APPENDIX B

FINAL DATA QUALITY AND USABILITY REPORT AND DATA APPROVAL REQUEST

(*This document is provided electronically only and excludes Appendices E and F – document was submitted previously on May 28, 2010 in hardcopy under a separate cover*)

DATA QUALITY AND USABILITY REPORT (DQUR)

AND DATA APPROVAL REQUEST (DAR)

Final

Revision 2

May 28, 2010

Prepared by:

MWH AMERICAS, INC.

Prepared for:

P4 PRODUCTION, LLC

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ACRONYMS AND ABBREVIATIONS

CO/AOC	Administrative Settlement Agreement and Order on Consent/Consent Order for Remedial Investigation/Feasibility Study
ACZ	ACZ Laboratories
AOC	Administrative Order on Consent
A/T	Agencies and Tribes
BLM	United States Bureau of Land Management
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFR	Code of Federal Regulations
CLP	Contract Laboratory Program
CO	Consent Order
COPC	contaminant of potential concern
COPEC	contaminant of potential ecological concern
DAR	Data Approval Request
DOI	United States Department of the Interior
DQO	data quality objective
DQUR	Data Quality and Usability Report
EE/CA	engineering evaluation/cost analysis
EIS	environmental impact statement
FS	feasibility study
HHERA	human health and ecological risk assessment
ICP-AES	inductively coupled plasma atomic emission spectroscopy
ICP-AES/MS	inductively coupled plasma atomic emission/mass spectroscopy
ICS	interference check sample
IDEQ	Idaho Department of Environmental Quality
IDFG	Idaho Department of Fish and Game
IDL	Idaho Department of Lands
IMA	Idaho Mining Association
LCS	laboratory control sample
MDL	method detection limit
Microbac	Microbac Laboratories
MWH	MWH Americas, Inc.
NCP	National Oil and Hazardous Substances Pollution Contingency Plan
NELAC	National Environmental Laboratory Accreditation Conference
NOAA	National Oceanic and Atmospheric Administration
P4	P4 Production, LLC
QC	quality control
RBCL	risk-based cleanup levels
RI/FS	remedial investigation/feasibility study
SAP	sampling and analysis plan
SEGW	surface expressions of groundwater
SI	site investigation
SOP	standard operating procedure
SOW	Statement of Work
SQuiRT	Screening Quick Reference Table
SRM	standard reference material

ACRONYMS AND ABBREVIATIONS (continued)

Tribes	Shoshone-Bannock Tribes
UI	University of Idaho
UIASL	University of Idaho Analytical Services Laboratory
USEPA	United States Environmental Protection Agency
USFS	United States Department of Agriculture, Forest Service
USGS	United States Geological Survey
XRF	X-ray fluorescence

PART 1 - DATA QUALITY AND USABILITY REPORT

1.0 INTRODUCTION

This Data Quality and Usability Report (DQUR) is the first part of a two-part document prepared by MWH Americas, Inc. (MWH) on behalf of P4 Production, LLC (P4), in accordance with the requirements of the Administrative Settlement Agreement and Order on Consent/Consent Order for Remedial Investigation/Feasibility Study (2009 CO/AOC; USEPA, 2009) and the Statement of Work (SOW). The 2009 CO/AOC is a voluntary agreement between P4 and the United States Environmental Protection Agency (USEPA), the Idaho Department of Environmental Quality (IDEQ), the United States Department of Agriculture, Forest Service (USFS), the United States Department of the Interior (DOI), the United States Bureau of Land Management (BLM), the Shoshone-Bannock Tribes (Tribes), collectively referred to as the "Agencies and Tribes" or A/T. The overall purpose of the 2009 CO/AOC is to conduct a Remedial Investigation and Feasibility Study (RI/FS) for P4's Ballard, Henry and Enoch Valley Mines (the Sites). The 2009 CO/AOC supersedes a previous CO/AOC signed in 2003 (2003 CO/AOC) by these same parties to conduct an Engineering Evaluation/Cost Analysis (EE/CA) at these Sites. This DQUR is being prepared as specified in the SOW and supports the RI/FS scoping process by presenting and assessing quality-related issues associated with the previous data that has been collected in a variety of media throughout the Sites. The DQUR has been prepared in advance of the RI/FS Work Plan in order to facilitate the scoping process, so details regarding data needs and uses will be addressed or refined in the RI/FS Work Plan.

1.1 Purpose

A large volume of data has been collected that describes the environmental conditions at the Sites. These data were collected in regional environmental studies conducted between 1997 and 2003, and later as the result of the EE/CA studies conducted for the Sites between 2004 and 2009. These data collected under the EE/CA program were expressly collected to address the environmental concerns associated with releases of selenium and other contaminants of potential concern (COPCs) and contaminants of potential ecological

concern (COPECs) at P4 phosphate mines, and ultimately to help characterize each such mine site in a manner consistent with the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), the National Oil and Hazardous Substances Pollution Contingency Plan (NCP; 40 Code of Federal Regulations [CFR] 300), and *Guidance for Conducting Remedial Investigations and Feasibility Studies Under CERCLA* (USEPA, 1988). Certain portions of the regional data collected before 2004 may also be useful in this manner. Therefore, a primary purpose of this document is to identify data gathered at P4's three historic phosphate mines that may be useful in the RI/FS and to request that the data, as described herein, be considered and utilized.

At issue are data collected prior to 2004 that are of lower known data quality, but that were collected and analyzed with approved and appropriate procedures at the time of the studies. Since the pre-2004 data collection, new, more rigorous procedures for evaluating data quality have been agreed to, and all data collected as part of the EE/CA have been subjected to these more rigorous procedures and validation. It is proposed herein that certain pre-2004 data be validated using current procedures to help document data quality. However, other pre-2004 data are acceptable as-is for certain data uses, such as definition of nature and extent. The use of these data will be subject to coherence with new or refined RI/FS DQOs, which may require more rigorous data quality assessments.

The purpose, then, of this DQUR and its associated Data Approval Request (DAR) is to identify the existing data that may be used in scoping and conducting the RI/FS for the Sites. It is important to consider the use of these existing data because much is already known about these three mine sites, and the use of the existing data will shorten the RI/FS duration by reducing the scope of new investigations and will allow any necessary remedies to be in place more rapidly than if this data were ignored or its use was limited.

The value of using existing historic site data is recognized by the USEPA in its guidance documents. For example, text in Section 3.1 of USEPA's *Guidance for Quality Assurance Project Plans* (USEPA, 2002) reads,

> …existing data may provide more detailed and exhaustive information than your project would be able to generate (such as

> data covering a longer time span), thereby allowing decision makers to have a greater understanding of the situation and providing a greater statistical basis for any decision to be made.

USEPA also recommends documenting any uncertainties and limitations of the existing data to determine how it may impact future uses of the data in a project (e.g., the RI/FS). Therefore, this DQUR identifies those data uses that require a higher level of known data quality or representativeness (e.g., risk assessment) and identifies which data will be used for specific purposes in the upcoming RI/FS. Data indicated in the DQUR and DAR as being suitable for "all data uses" are available for consideration for the specific and relevant uses indicated in the USEPA RI/FS Guidance (EPA,1988) – i.e., site characterization, evaluation of alternatives, and risk assessment, as well as scoping. However, the use of such data is still subjected to project-specific data usability evaluations during the RI/FS Work Plan development process based on Data Quality Objectives (DQOs), risk assessment planning and possibly other planning steps. Consistent with the SOW, final approval of the data and data uses will be inherent to the approval of the RI/FS Work Plan where these project-specific considerations will be presented. In Section 6 of this DQUR, it is indicated as to which data sets have been evaluated against existing DQOs and which will be evaluated against RI/FS Work Plan DQOs.

1.2 Report Organization

This document is comprised of two parts. The first part is the DQUR, which contains seven sections as follows:

Section 1.0 Introduction - provides the basis for the document, purpose and this presentation of the report organization;

Section 2.0 General Data Needs - discusses the data needs associated with an RI/FS for the P4 Sites;

Section 3.0 Description of Available Data Sources - describes the existing data that are known and should be considered in the RI/FS;

Section 4.0 Project Data Quality Specification - describes the data quality needs for the RI/FS data uses;

Section 5.0 Evaluation of Existing Data - discusses the data with respect to data uses and quality specifications;

Section 6.0 Summary and Conclusion - provides a summation of the key points of the report;

Section 7.0 References - provides the citations.

The second part of this document is a formal request to allow the specified uses of existing data in the current RI/FS (i.e., the DAR). The DAR is comprised of three brief sections, including:

Section 1.0 Introduction;

Section 2.0 Data Requested for All Uses;

Section 3.0 Data Requested for Scoping, Site Characterization and Feasibility Study Data Uses;

The objective of these sections is to specifically indicate the purposes for which P4 is proposing to use the previous data in the upcoming RI/FS. It is the DAR, supplemented by the DQUR, that the A/T will need to consider and approve.

In support of Part 1 (DQUR) and Part 2 (DAR) of this document are six appendices, listed below, which primarily contain data from previous relevant studies at the Sites.

Appendix A – Revised Table 18 (Surface Water and Groundwater) and Table 19 (Sediment). This appendix provides data tables that were previously submitted (P4 and MWH, 2008) and have been updated based on A/T comment and internal review.

Appendix B – Data Quality Assessment – Pre-2004 Data, 1999-2000 Elk Tissue Samples. This appendix is a technical memorandum that presents an assessment of the elk tissue data that has been collected at the Sites from 1999-2000. This data has been reviewed and approved by the A/T.

Appendix C – Data Quality Assessment – Pre-2004 Data, 1999-2001 Bird Egg Samples. The technical memorandum in this appendix presents bird egg data that has been collected at the Sites from 1999-2001. This technical memorandum has not been reviewed by the A/T.

Appendix D – Data Quality Assessment – Pre-2004 Data, 1999-2000 Cattle Study Data. The technical memorandum comprising this appendix presents cattle study data that has been collected at the Sites from 1999-2000. This technical memorandum has not been reviewed by the A/T.

Appendix E – Laboratory and Data Validation Reports for Samples Collected from 2004 through 2009. This appendix provides the EE/CA data on a DVD.

Appendix F – Laboratory Documents Associated with Elk Tissue, Bird Egg, and Cattle Study Data. This appendix provides the backup documentation for Appendices B through D on a CD.

Appendix G – Comments and Comment Responses

2.0 GENERAL DATA NEEDS

This section discusses the general data needs associated with conducting an RI/FS, whereas Section 5 provides more details associated with the data needed specifically for individual data groups (e.g., the EE/CA data group). The information associated with data needs is preliminary and will be refined during the RI/FS Work Plan process where more specific information will be provided, for example when presenting the risk assessment methodology.

In conducting an RI/FS, data are required to support risk management and remedial action decisions. Typical uses of data in the RI/FS (CERCLA) process include:

- work plan scoping: identifying data gaps and work plan elements;
- site characterization: determining nature and extent of COPC and COPEC impacts in relevant media;
- risk assessment;
- evaluation of possible technologies/assembly of remedial alternatives (Feasibility Study [FS]);
- engineering design (where necessary);
- implementation of remedial actions; and
- monitoring during implementation.

In accord with the typical RI/FS data uses and needs listed above, the data that have been collected by P4, and will be collected during the new RI field work, will be assembled into the project database to be used for evaluating, for example, the necessity of ongoing surface water monitoring or the locations where monitoring samples are collected, as well as supporting engineering alternatives and design considerations during the FS. The scoping and site characterization data uses and needs are presented in Section 2.1, followed by risk assessment data uses and needs in Section 2.2, and FS data uses and needs in Section 2.3.

USEPA recognizes that different levels of data quality are appropriate for the various data uses anticipated during the RI/FS (USEPA, 1988). For example, field analyses (e.g., field X-

ray fluorescence [XRF] for metals) might be collected to provide an initial indication of the extent of an impact. The field data, therefore, are used to scope potential impacts and are also used to assist in defining nature and extent. The field analyses would be followed by strategic collection of data for laboratory analysis (e.g., metals analyses) to verify the field analyses and provide data of higher known data quality for decision making (i.e., the laboratory data, once validated, might be used for risk assessment calculations).

This document provides the necessary information, documentation and references to help assess limitations of the existing data, if any, for the required uses supporting three principal RI/FS components, including: (1) scoping and site characterization; (2) risk assessment; and (3) FS. Of these three components, risk assessment requires the highest data quality with the most stringent knowledge of data collection, validation, and reporting procedures and any problems or limitations which have been found in those procedures. Data to be considered for scoping, site characterization, and the FS often rely on the same data used in the risk assessment, but may also use field measurements and screening data to complete the data set. This wider range of acceptable site data for these RI/FS components creates a broader view of site conditions than might otherwise be possible by using the laboratory data alone.

2.1 Scoping and Site Characterization

It is generally recognized that data used for scoping and site characterization can cover a broad range of sources and levels of known data quality. Data sets used for scoping and site characterization may include meteorological and geological data as well as analytical data collected specifically to address environmental contamination issues. This document focuses on the analytical data that may be used. However, the sources of all data need to be clearly indicated and appropriately documented so that limitations in the use of the data can be assessed within the RI/FS process.

Relevant existing data will be used to provide an initial characterization of the Sites and to help focus the RI/FS on appropriate media, transport and exposure pathways, and COPCs/COPECs. Those media that are associated with elevated concentrations of chemicals known to be related to phosphate mining based on past sampling events may warrant more focus in the RI/FS than those media that are not associated with elevated

chemical concentrations. It should be noted that these existing data are only one factor in determining the scope of the RI/FS.

Many of the pre-2004 data sets, especially those derived from biotic media (i.e., plant or animal tissue concentrations) developed in conjunction with the Idaho Mining Association (IMA), are unique. While abiotic media data sets are not in themselves exceptionally unique, some data sets for abiotic media (e.g., surface water and groundwater) dating back to 1997 allow evaluation of temporal variability over a period of more than a decade, and therefore, are unique in a temporal sense. Thus, it is critical to preserve these data for use in the current program and in any future programs.

2.2 Risk Assessment Data Needs

Risk assessment is the process that is used to characterize the potential for a physical or chemical stressor to adversely affect public health and/or the environment. In the context of the CERCLA RI/FS process, risk assessment describes the qualitative and/or quantitative evaluation of potential impacts of chemical and/or radiological constituents associated with a contaminant source on human health or ecological receptors. Human Health and Ecological Risk Assessments (HHERAs) use validated data collected during the nature and extent investigation to determine the need for an assessment of remedial alternatives for a contaminant source in the FS. HHERA methods may also be used to calculate site-specific Risk-Based Cleanup Levels (RBCLs) for consideration as numeric remedial goals in the FS, or to evaluate the short-term and long-term effectiveness of potential remedial alternatives.

Risk assessments may be qualitative or quantitative in nature, and take the form of a screening-level or baseline risk assessment. The data needs for a CERCLA RI/FS risk assessment vary depending upon the type of receptors being evaluated (i.e., human health or ecological receptors) and whether the risk assessment is qualitative or quantitative in nature. Data that meet USEPA Contract Laboratory Program (CLP) Level III or Level IV (or functionally equivalent) data validation requirements are generally considered to be acceptable for use in all quantitative human health and ecological risk assessments. In some cases, Level II data may be used in quantitative ecological risk assessments. Preliminary site characterization data, including field screening data and Level II (or functionally-equivalent

data), may also be used in qualitative human health and ecological risk assessments. Additional details regarding data quality requirements for CERCLA RI/FS risk assessments are described in Section 4.2.

Risk assessments to be performed for the P4 Sites will use validated data collected from both abiotic media (e.g., soil, groundwater, surface water, and sediment) and biotic media (e.g., fish, elk tissues, bird egg tissues and cattle tissues) to evaluate potential impacts of Site COPCs on human health and COPECs on ecological receptors. Abiotic media sampling results will be used in screening-level, predictive HHERA risk calculations, while biotic media sampling results will be used as appropriate to help verify HHERA risk calculations as an additional line of evidence.

2.3 Feasibility Data Needs

Similar to site characterization, an important element in the evaluation of alternatives in the FS will be determining the nature and extent of contaminants. Both the extent and concentrations of contaminants and other related chemicals need to be defined to evaluate possible remedial technologies and technical solutions for detected contamination and other physical conditions found at the Sites. In addition, the scale and configuration of the remedial alternatives to be evaluated in the FS will depend in part on the areal extent of contaminant impacts. The lateral and vertical extent of contamination can be uncertain, within reason, because comparisons among alternatives are relative to each other. However, extent may need to be refined prior to actual implementation of specific remedies.

Chemical data will not be the only data needed to conduct an evaluation of alternatives in the FS. For example, physical conditions at the Sites (e.g., topography, geologic properties of the vadose zone and aquifer, and climate) will also be important in the selection and sizing of technologies to be considered in the evaluation of alternatives (i.e., technical implementability and effectiveness). Some of these data may be site-specific, while others may be published values. As with the chemical data, any data used in the FS will need to be appropriately referenced to a creditable source so that the uncertainty can be evaluated.

3.0 DESCRIPTION OF AVAILABLE DATA SOURCES

Three primary groups of data are considered to be important and relevant to the RI/FS for the P4 Sites. These data include:

1. **2004-2009 EE/CA Data Set.** Data collected as part of the 2004-2009 EE/CA, as directed by the 2003 CO/AOC. These data have been analyzed and validated per current standards and are of known quality and acceptable for all data uses.

2. **Pre-2004 Data Set.** Data collected in sampling events conducted between 1997-2003. Pre-2004 data exist that are (1) unique and should be used to supplement future risk assessment activities at the Sites or (2) standard and not uniquely useful but may supplement other data. These data were collected as part of regional studies in association with the IMA and regulatory agencies prior to the EE/CA investigations (2004-2009).

3. **Other Relevant Data.** This is information and data that have generally been peer-reviewed or approved by regulatory agencies; however, some unpublished sources may need to be considered because of their unique character.

Each of these data sets is described in the following sections.

3.1 2004-2009 EE/CA Data Set

As described in the introduction to this report, in 2003, P4 signed the CO/AOC for performance of site investigations (SIs) and completing EE/CAs at P4's three historic phosphate mines – the Ballard Mine, the Henry Mine, and the Enoch Valley Mine. Data were collected using A/T-approved work plans, trained sampling teams, and analytical laboratories of known quality and certifications. In addition, the data were subjected to an initial quality review, and then, under agreement with the A/T, were validated under new procedures in 2009. These procedures will be used to validate all new RI/FS data.

As a result of the 2003 CO/AOC, a variety of environmental media was sampled. At the beginning of the EE/CA process in 2004, surface water and groundwater were sampled along with biotic media, including salmonids, forage fish, and benthic macroinvertebrates. In 2004, both riparian soil and vegetation and upland soil and vegetation were sampled to evaluate the transitions between waste rock dump covers and native soils. Surface water and groundwater sampling has continued through 2009. In addition, in 2009 a comprehensive

soil and vegetation sampling program was conducted at the Sites. Table 3-1 provides a list of media sampled and the number of samples collected as part of the EE/CA investigations at these Sites (replicates samples collected during an event at a single station are counted as single sample in the table).

TABLE 3-1
2004 – 2009 EE/CA SAMPLING SUMMARY

	Surface Water	Groundwater	Surface-Expressed Groundwater	Direct Push Shallow Ground Water	Direct Push Shallow Ground Water (MBWs)	Sediment	Salmonids	Forage Fish	Benthic Macroinvertebrates	Riparian Soil	Riparian Vegetation	Upland Soil	Upland Vegetation
May 2004	55	19	44	-	-	98	5	31	-	-	3	-	3
June 2004	-	-	-	-	-	-	-	-	66	-	3	-	3
July 2004	-	-	-	-	-	-	-	-	-	-	3	138	133
August 2004	-	-	-	-	-	-	-	-	-	-	3	-	3
September 2004	-	5	17	-	-	-	-	-	-	113	113	-	3
October 2004	-	9	-	-	-	-	-	-	-	-	3	-	3
June 2005	-	7	-	-	-	-	-	-	-	-	-	-	-
October 2005	-	4	-	-	-	-	-	-	-	-	-	-	-
May 2006	40	6	51	-	-	-	-	-	-	-	-	-	-
May 2007	38	-	36	-	-	-	-	-	-	-	-	-	-
September 2007	28	20	20	-	-	-	-	-	-	-	-	-	-
May 2008	38	32	41	90	-	-	-	-	-	-	-	-	-
September 2008	29	30	21	-	-	-	-	-	-	-	-	-	-
May 2009	22	24	12	23	15	-	-	-	-	-	-	-	-
June-July 2009	-	-	-	-	-	-	-	-	-	-	-	226	396
August 2009	-	-	-	-	-	-	-	-	-	-	-	-	64
September 2009	4	9	7	-	-	-	-	-	-	-	-	-	-

3.2 Pre-2004 Data Set

Data from a large variety of media were collected as part of regional studies between 1997 and 2003. A subset of these samples were collected within and surrounding the P4 Sites. These early data are important to the upcoming RI/FS, because they will provide additional spatial coverage and historic COPC/COPEC trend information.

The pre 2004 data were collected in three phases:

1. From 1997 through 2000, data collection was performed voluntarily by the mining companies in the Southeast Idaho area. The vast majority of these data collection efforts were included in a regional investigation conducted under direction of the IMA's Selenium Committee (Selenium Committee). Governmental agencies provided some oversight during the regional investigation through the Interagency/Phosphate Industry Selenium Working Group.

2. In 2001, the regional investigation was transformed into an "area-wide" investigation performed by select IMA members (i.e., the phosphate mining companies) under the direction of IDEQ pursuant to a CO/AOC (2001 CO/AOC).

3. Subsequently, in 2003, P4 signed the CO/AOC specifically for the EE/CAs at the three P4 mine sites (2003 CO/AOC) that will be investigated during the upcoming RI/FS. However, some interim site investigations were initiated by P4 in 2002 to start the EE/CA process. These data were also included in the pre-2004 data set.

For the regional and area-wide investigations from 1997 to approximately 2002, data needs were generally identified at meetings of the Interagency/Phosphate Industry Selenium Working Group (Working Group) or IDEQ's Selenium Area-Wide Advisory Committee (Advisory Committee). IMA then developed work plans, provided drafts to the Working Group or Advisory Committee for review, then revised and finalized the plans before implementing the approved investigations. In some instances, IMA used academics from the University of Idaho (UI) who planned and implemented certain biotic sampling events. In two instances, the Idaho Department of Fish and Game (IDFG) conducted the planning and sampling.

These data and data maps were previously provided to the A/T in a document titled "*Pre-2004 Documents and Data Review and Summary for the Historic P4 Production Phosphate Mines, Caribou County, Idaho*" (P4 and MWH, 2008). This document presented extensive descriptions of the data, data tables and drawings that reported the pre-2004 data and relevant sampling locations. These data and maps are not presented again in this report, with the exception of tables for groundwater and surface water (Table 18) and sediment data (Table 19), which have been revised since the 2008 report and are included in Appendix A. The relevant maps will be presented again in the RI/FS Work Plan, as needed. Table 3-2 presents a summary of the available data by media sampled and the approximate date of

sampling. Three media (elk tissue, bird eggs and cattle data) are considered to be useful for risk assessment and are presented in more detail in Section 3.2.1 below.

TABLE 3-2
DATA COLLECTED DURING 1997-2003 ENVIRONMENTAL STUDIES NEAR THE P4 SITES

Media	Sample Dates	Media	Sample Dates	Media	Sample Dates
Riparian Soil	Summer 2001	Periphyton	Sept-99	Surface water/	Sept-97
			May-00	Groundwater	May-98
Cattle	1999				Sept-98
		Plankton	Sept-99		May-99
Bird Eggs	Spring 1999		May-00		June-99
	Spring 2000				July-99
	Spring 2001	Upland Soil	Jul-98		Aug-99
			Summer 2000		Sept-99
Elk	1999		May-01		Oct-99
	2000		Aug-Sept 2001		Nov-99
					Dec-99
Riparian Veg	Sept-01	Upland Veg	July-98		May-00
			Summer 2000		May-01
Small Mammals	May-01		May-01		May-02
	Sept-01		Aug-Sept 2001		July-02
					Sept-02
Terrestrial	May-01	Fish	Sept-99		Nov-02
Invertebrates	Sept-01		May-00		Jan-03
					Mar-03
Benthic	Sept-99	Sediment	Sept-98		Apr-03
Invertebrates	May-00		Sept-99		May-03
			May-00		June-03
Macrophytes	Sept-99		May-02		July-03
	May-00		Sept-02		

Notes:
Shaded data are those presented in more detail in Section 3.2.1

3.2.1 Pre-2004 Data Useful for Risk Assessment

Some of the pre-2004 data sets, especially the biotic data sets developed in conjunction with the IMA, are unique. Replacing these data sets would take great effort, time and expense. Thus, it is critical to preserve these data for use in the current and any future programs. In particular, data associated with elk tissue sampling (1999-2000), bird egg sampling (1999-2001), and cattle tissue and blood sampling (1999-2000) will be especially useful in support of the ecological and human health risk assessments. These data have been separately described and evaluated in a series of technical memoranda presented in Appendices B through D, respectively. The technical memorandum related to elk tissue was reviewed and approved by the A/T on January 12, 2010. The remaining two technical memoranda were prepared using the elk tissue technical memorandum as a template, and are herein submitted to the A/T for review and approval.

3.2.2 Pre-2004 Data of Limited Use

A portion of the pre-2004 data are not needed for a full range of data uses (on Table 3-2, the riparian soil and vegetation, small mammals, terrestrial invertebrates, benthic invertebrates, macrophytes, periphyton, plankton, upland soil and vegetation, fish, sediment, and surface and groundwater). Specifically, it is not anticipated that these data will be needed in risk assessment, nor have they been validated to a level suitable for risk assessment. The use of these data will, therefore, be limited based on their known data quality. However, these data may be used to assess the nature and extent of contamination (e.g., use of pre-2004 surface water data to evaluate temporal trends) and may be used as lower leve supporting data for risk assessment pending A/T notification and approval.

While aquatic media data sets are not in themselves exceptionally unique, some dating back to 1997 allow evaluation of temporal variability over a period of more than a decade. These data include surface water data and surface expressions of groundwater (e.g., spring water data) collected during the 1997-2003 sampling events, and groundwater data from 1998.

Additional useful subsets of data are those that may not have specific temporal relevance (e.g., soil samples), but may be useful in confirming observations based on other data. These data include soil and vegetation data collected from upland and riparian areas in the 1999-2001 sampling events and sediment data from the 1998-2002 sampling events.

The usefulness of pre-2004 aquatic and terrestrial biological data is less certain. This is in part because of spatial distributions that result in relatively few samples being unique to the P4 Sites. However, these data should not be discounted, because they may have the potential for supplementing future data or supporting the evaluation of background. Therefore, it is important that these data be recognized as potentially useful for scoping or site characterization. However, it is possible that ultimately some or all of these data may not be used in the RI.

3.3 Other Relevant Data

Other applicable publicly-available data exist that may be used to supplement the RI/FS data and to verify site-specific conceptual models and analytical results. These additional data

sources include United States Geological Survey (USGS) data, research data (e.g., UI, USFS, mining company, and other studies).

Published studies provided by the USGS will be evaluated and relevant data will supplement the RI/FS findings. This information includes a large amount of geologic data that provides the basis for the hydrogeologic characterization of the Sites. In addition, it also includes a number of studies where the geologic formations associated with phosphate mining have been geologically and geochemically characterized (e.g., Herring, et al., 2001). These studies provide an excellent foundation of geologic information and comprehensive characterization of the potential contaminant source materials for the Sites. These data are secondary with respect to the risk assessment in that the actual waste rock and soil exposed on the surface or near surface are most relevant and have been directly sampled, as necessary. However, the source material data are relevant in developing conceptual geochemical models and for evaluating conclusions derived from other data. For example, there may be a question about a very high concentration of contaminant observed in a particular soil type. Confidence in the value may be increased or decreased by comparing it to the range of observed concentrations in the source materials. Therefore, data published by the USGS may be considered as a secondary line of verification of analytical results and conclusions during the upcoming RI/FS.

Similarly, relevant published data from academic and other sources should be considered in the RI/FS. These include data reported in various papers and theses authored primarily by professors and students at UI, which largely relate to the hydrogeologic characterization of the area and may contain data related to regional water quality. The regional water quality data may prove to be a good reference point for water quality data collected at the Sites and may be relevant to the RI/FS.

In addition to the data sources described above, other data that is applicable to the conduct of the RI/FS may be found. Where these data are used, the sources will be referenced, as will the sources for any data included in the RI/FS that was not collected by the RI/FS field team.

4.0 PROJECT DATA QUALITY SPECIFICATIONS

This section presents a discussion of the project data quality specifications. The project data quality specifications are a component of the assessment of the use of existing data per the USEPA QA/G-5 Guidance (USEPA, 2002). Section 2.0 provided information on the data needed to conduct a RI/FS.

4.1 Scoping and Site Characterization

The inclusion of all available relevant data is an important component of the scoping effort that will be necessary prior to preparation of the RI/FS Work Plan. These existing data will be used to focus the Work Plan and avoid the unnecessary expenditure of resources (USEPA, 1988). In evaluating data during the scoping process, data quality must be evaluated and professional judgment considered to determine whether additional characterization is needed. Specifically, use of existing data needs to be considered prior to collecting data to fill an identified data gap, such as characterization of a pathway of unknown significance.

The use of all available data discussed in Section 3.0 for site characterization is important and appropriate so long as data that is known to be of lesser quality are used appropriately and are not carried forward for uses requiring data of higher known quality (e.g., the risk assessment). An example of uses in site characterization where data known to be of lower quality may be important is the characterization of regional water quality for comparison to site-specific water quality. Regional data may be obtained from a variety of sources where sampling and analytical procedures are not well documented or documentation is not readily available.

Data used for scoping and site characterization for the RI/FS should, at a minimum, be produced as the result of a planning process, collected by documented field procedures, and analyzed by an appropriately accredited laboratory.

4.2 Risk Assessment

Data that meet USEPA CLP Level III or Level IV (or functionally equivalent) data validation requirements are generally considered to be acceptable for use in quantitative human health and ecological risk assessment. In some cases, Level II data may be used in a quantitative ecological risk assessment if the uncertainty in the data is known and is deemed to be acceptable.

USEPA's *Guidance for Data Usability in Risk Assessment (Part A) – Final* (USEPA, 1992), further states:

- Data are almost always useable in the risk assessment process, as long as the uncertainty in the data and its impact on the risk assessment are thoroughly explained.
- The analytical data objective for baseline risk assessments is that uncertainty is known and acceptable, not that uncertainty be reduced to a particular level.
- Uncertainties in toxicological measures and exposure assessment are often assumed to be greater than uncertainties in environmental analytical data; thus, they are assumed to have a more significant effect on the uncertainty of the risk assessment.
- Sampling variability typically contributes much to more total error than analytical variability.
- Field methods can produce legally defensible data if appropriate method [quality control] QC is available and if documentation is adequate.
- Qualified data can usually be used for quantitative risk assessment.
- Use data qualified as U or J for risk assessment purposes.
- The primary planning objective is that uncertainty levels are acceptable, known and quantifiable, not that uncertainty is eliminated.

As noted previously, key to the use of data in risk assessment is the qualification and quantification of the data quality and the impact of the data quality on the risk assessment.

4.3 Feasibility Study (Evaluation of Alternatives and Engineering Design)

Similar to site characterization, an important element in evaluating alternatives will be determination of the nature and extent of contaminants. The data used to compare remedial

alternatives in the FS need to be sufficiently documented so that uncertainties can be evaluated. For chemical data, the quality acceptable for site characterization is also sufficient for the FS. Also similar to site characterization, non-chemical data must be properly cited so judgments can be made regarding any uncertainty in the evaluations related to these data.

5.0 EVALUATION OF EXISTING DATA

The evaluations of data relevant to the RI/FS are summarized below based on: (1) data need and use; (2) DQOs; (3) known data quality; (4) data uncertainties; and (5) further actions to address quality or limitations, as appropriate.

5.1 2004-2009 EE/CA Data Set

Samples associated with the 2004-2009 EE/CA data set are summarized in Table 3-1. These data sets are from the sampling of (a) surface water and groundwater monitoring locations; fish, aquatic invertebrates, and sediment in ponds and streams; upland and riparian soil and vegetation transects; and soil and vegetation monitoring locations in 2004, (b) surface water and groundwater monitoring locations in 2005 through 2008; and (c) surface water and groundwater monitoring locations, and upland soil and vegetation locations in 2009. The status of individual data sets with respect to the evaluation of the data sets against relevant DQOs and final RI/FS usability determination is presented in additional detail in Section 6. All laboratory reports and associated data validation reports are provided in Appendix E. Table E-1 provides a cross-reference of sampling event, laboratory, laboratory report number, and associated data validation report. File names of laboratory and data validation reports will match those identified on Table E-1.

5.1.1 Data Need and Use

Data were collected specifically to address characterization and risk assessment needs for the P4 Sites, and therefore, all the data are relevant and will be used. However, the RI/FS development will result in specific DQOs developed for the various RI/FS components. These specific DQOs will ultimately be a key component relating to the data need, use and usability of the data presented in the DQUR.

5.1.2 Data Quality Objectives

The DQOs associated with the collection of the EE/CA data are relevant to the RI/FS. These DQO were submitted in various EE/CA Work Plans, and Sampling and Analysis Plans (SAPs). The initial EE/CA sampling was conducted under comprehensive site

investigation work plans for each of the sites (e.g., *Comprehensive Site Invesitgation, Henry Mine Work Plan – Final*; MWH, 2004). Beginning in 2008, event-specific SAPs were developed for sampling of groundwater, surface water, and soil and vegetation (e.g., *Supplemental Mine Waste Rock Dump and Facility Soil and Vegetation Characterization, Sampling and Analysis Plan*; MWH, 2009c). The DQOs presented in these EE/CA planning documents will be reviewed and further refined in the RI/FS Work Plan, as needed. However, because the data requirements for the EE/CA and RI/FS are not significantly different, the existence of the DQOs in previous planning documents provides a basis for carrying the EE/CA data forward into the RI/FS. However, DQOs will be presented in the RI/FS Work Plan and these DQOs will ultimately be used for final determination of usability of the EE/CA data.

5.1.3 Known Data Quality

Data analyzed between 2004 and 2008 by ACZ Laboratories (ACZ) were validated according to the criteria specified in the *Data Validation Technical Memorandum* (MWH, 2009a). Data analyzed by Microbac Laboratories (Microbac) from the fall 2008 and 2009 groundwater and surface water monitoring events were validated according to the criteria specified in the *Quality Assurance Project Plan Addendum* (MWH, 2009b). Samples collected for the 2009 soil and vegetation sampling events were validated according to the criteria specified in the *Supplemental Mine Waste Rock Dump and Facility Soil and Vegetation Characterization Sampling and Analysis Plan* (MWH, 2009c). Thus, the final, qualified data are of known quality and, with the exception of data that were rejected, should be considered usable for all intended uses in the RI/FS.

5.1.4 Data Uncertainties

The following is a list of known uncertainties with respect to the 2004-2009 EE/CA data set:

- 2004-2008 data set for water samples analyzed by inductively coupled plasma atomic emission spectroscopy (ICP-AES) EPA Method 200.7 and by inductively coupled plasma atomic emission/mass spectroscopy (ICP-AES/MS) by EPA Method 200.8 (ACZ): The serial dilution sample is not specified in either method, so was not analyzed by ACZ. The serial dilution sample is not specified in Method 200.8 and it has not been a required QC item for historic data. The impact of not reporting the

serial dilution sample pair is that potentially high matrix interferences would not be monitored and potentially high-biased data would not be identified (there can be low biases, but they are not found in the majority of outliers), and would apply only to samples that have analytes reported at greater than 50 times the method detection limit (MDL); analytes reported below 50 times the MDL would not be qualified. Because of the lack of serial dilution data, all sample results generated using EPA Methods 200.7 and 200.8 were flagged with "K" (defined as "Serial dilutions not performed for samples analyzed by this method [EPA 200.7; 200.8]").

- 2004-2008 data set for water samples analyzed by ICP-AES/MS EPA Method 200.8 (ACZ): EPA Method 200.8 does not specify use of interference check samples (ICSs), so they were not analyzed by ACZ. The impact of not having the ICS reported is that potentially high analyte interferences would not be monitored and potentially high-biased data would not be identified. This would apply only to samples that contain extremely high levels of cations (e.g., calcium, potassium, iron, or aluminum), which do not exist for this data set; so the lack of ICSs does not affect data quality.

- Biotic tissue data (ACZ): The analytical standard operating procedures (SOPs) that existed in 2004 did not address non-standard matrix laboratory control samples (LCSs) or standard reference material (SRM). ACZ did not perform method validation for non-standard matrices. LCSs batched with non-standard matrices were solid-matrix (soil) performance evaluation samples from a third-party vendor. Control limits specified in ACZ's reports for these LCSs were the vendor-generated performance acceptance limits. Biotic tissue data reported by ACZ are flagged with "T" (defined as "Laboratory SOP does not address biotic matrices; biotic-specific LCS/SRM not analyzed.").

5.1.5 Further Actions to Address Quality or Limitations

No further actions are needed to address quality or uncertainty related to samples collected and analyzed between 2004 and 2009.

5.2 Unique Pre-2004 Data Useful for Risk Assessment

The pre-2004 data sets are discussed and summarized in the document titled *Pre-2004 Documents and Data Review and Summary for the Historic P4 Production Phosphate Mines, Caribou County, Idaho* (MWH, 2008). Subsequent to submittal of this document, the A/T requested additional information to complete an assessment of data quality as described in the *Proposed "Roadmap" for Completing an Assessment of the Quality of the Pre-2004 Data for P4 Production, LLC Mines in Southeast Idaho* (Roadmap; IDEQ, 2009). The Roadmap provides direction for the

"Next Steps to Complete an Assessment of the Pre-2004 Data." The four steps described in the Roadmap (determine data needs, screen data for use, validate data, and document data quality) are consistent with USEPA (2002) QA/G-5 guidance (IDEQ, 2009). Laboratory documents associated with the elk tissue, bird egg, and cattle study data are provided in Appendix F.

P4 selected the following three data sets to be assessed for use in the RI/FS risk assessments:

- Elk tissue samples collected in 1999 and 2000;
- Bird egg samples collected from 1999 through 2001; and
- Cattle study samples collected in 1999 and 2000

A technical memorandum was prepared for the elk tissue data assessment and is provided in Appendix B. The information presented in the *Data Quality Assessment – Pre-2004 Data, 1999-2000 Elk Tissue Samples Technical Memorandum* documents data needs and screening of the data for use (the first two steps indentified in the Roadmap) (IDEQ, 2009), and has been approved by the A/T. Technical memoranda were also developed for the bird egg and cattle study data sets using the elk technical memorandum as a template, and these are presented in Appendices C and D, respectively.

The data assessments for these three data sets are summarized briefly below.

5.2.1 Elk Tissue Data

The 1999 and 2000 elk study was a cooperative effort between the Selenium Committee and the IDFG. The Monsanto Company was one of six member companies of the Selenium Committee. IDFG collected elk skeletal muscle and liver tissues from hunters who harvested elk in game management units 66A and 76. The Selenium Committee coordinated the analysis of the tissue samples at the University of Idaho Analytical Services Laboratory (UIASL).

The elk tissue collection effort was planned and conducted according to the *1999-2000 Regional Investigation Sampling and Analysis Plan, Southeast Idaho Phosphate Resource Area Selenium Project* (MW, 1999), and the results were presented and evaluated in the *1999 Interim*

Investigation Data Report, Southeast Idaho Phosphate Resource Area Selenium Project (MW, 2000). The purpose of the study was to determine if levels of the targeted trace elements were elevated as a result of increased exposures related to phosphate mining, and, if so, to quantify any threat posed to human health. The information was also to be used, to the extent possible, to evaluate any threat to the health of the elk themselves (MW, 2000). Additional details of the elk study are provided in the *Data Quality Assessment – Pre-2004 Data, 1999-2000 Elk Tissue Samples Technical Memorandum* (Appendix B).

5.2.1.1 Data Need and Use

The intended uses of the elk tissue data are to support the RI/FS, including risk assessment and any informed risk management decisions by determining if past P4 mining activities may result in risks to human health from ingestion of elk tissue; determine if elk may be affected by past P4 mining activities; or if other ecological receptors may be affected by targeted trace element concentrations in elk tissue (and thereby, P4's past mining activities). The elk tissue data represent one line of evidence and will be evaluated in conjunction with other lines of evidence (e.g., screening levels, action levels, and/or predicted concentrations based on soil or vegetation concentrations and standard exposure models) during the preparation of human health and ecological risk assessments for the P4 mines.

5.2.1.2 Data Quality Objectives

The DQOs for the elk tissue data to be used in the RI/FS are specified in Table 2, page 14. of the *Data Quality Assessment – Pre-2004 Data, 1999-2000 Elk Tissue Samples Technical Memorandum* (Appendix B).

5.2.1.3 Known Data Quality

Table 1, page 3, of the *Data Quality Assessment – Pre-2004 Data, 1999-2000 Elk Tissue Samples Technical Memorandum* (Appendix B) provides a detailed presentation of the data reported by UIASL in 1999 and 2000. These data were assessed against current USEPA (CLP, SW-846, National Environmental Laboratory Accreditation Conference [NELAC]) standards for ICP methodology. Areas of deficiency and uncertainties are documented in the technical memorandum (Appendix B). The elk tissue data have not yet been validated. Once

validated, the data will be of known quality, and, with the exception of rejected data, will be available for use in the RI/FS.

5.2.1.4 Data Limitations

The elk data were screened for use, and results of the screening are presented in Table 3 of the technical memorandum (Appendix B). Due to the documented deficiencies and uncertainties, the elk tissue data will not be used in direct measurements of risk; rather, as stated above, they will be used as one line of evidence and will be evaluated in conjunction with other lines of evidence. The data have not yet been validated but will be prior to their use in the RI/FS.

5.2.2 Bird Egg Data

The 1999-2001 regional reproductive success study (MW, 1999) was a cooperative effort between the Selenium Committee and the University of Idaho Department of Fish and Wildlife Resources. The objective of this study was to assess selenium and cadmium concentrations in bird eggs. Numerous species across several trophic groups were evaluated to determine whether or not exposure was occurring, and if so, whether the level of exposure was potentially detrimental to the avian community and populations within the central district (MW, 1999).

Three phases were implemented during the three-year effort, which focused on the Blackfoot Reservoir, the Upper Blackfoot River watershed, the Alexander Reservoir, and Grays Lake Wildlife Refuge (i.e., the central district). Phase I compared selenium in bird eggs of selected species between mining and background sites. Phase II compared reproduction success of bird species between mining and background sites. Phase III was a comparison of selenium levels in bird eggs and the relationship of these levels to individual reproductive success. An additional component of Phase III was to collect collocated water samples for selenium analysis. Additional details of the bird egg study are provided in the *Data Quality Assessment – Pre-2004 Data, 1999-2001 Bird Egg Samples Technical Memorandum* (Appendix C).

5.2.2.1 Data Need and Use

The intended uses of the bird egg and collocated surface water data are to support the RI/FS, including risk assessment and any informed risk management decisions, by determining if past P4 mining activities may be impacting avian receptors; determine if bird eggs may be affected by past P4 mining activities; or if other ecological receptors may be affected by contaminant concentrations in bird eggs as a consequence of P4's past mining activities. The bird egg data will represent one line of evidence and will be evaluated in conjunction with other lines of evidence (e.g., action levels and collocated surface water data). Specific use of the 1999-2001 bird egg data is detailed in the technical memorandum (Appendix C).

5.2.2.2 Data Quality Objectives

The DQOs for the bird egg data to be used in the RI/FS are specified in Table 2 of the *Data Quality Assessment – Pre-2004 Data, 1999-2001 Bird Egg Samples Technical Memorandum* (Appendix C).

5.2.2.3 Known Data Quality

Table 1 of the technical memorandum (Appendix C) provides a detailed presentation of the data reported by UIASL in 1999 through 2001. These data were assessed against current USEPA (CLP, SW-846, NELAC) standards for ICP methodology. Areas of deficiency and uncertainties are documented in the technical memorandum (Appendix C). The bird egg data have not yet been validated. Once validated, the data will be of known quality, and, with the exception of rejected data, will be available for use in the RI/FS.

5.2.2.4 Data Limitations

The bird egg data were screened for use, and the results of the screening are presented in Table 3 of the technical memorandum (Appendix C). As discussed in the technical memorandum, not all of the bird egg data are spatially relevant to the P4 Sites; therefore, only the results of samples identified in Table 3 as spatially relevant will be included in the RI/FS (Appendix C). Additionally, because of the documented deficiencies and

uncertainties, the bird egg data will not be used in direct measurements of risk; rather, as stated above, they will be used as one line of evidence and will be evaluated in conjunction with other lines of evidence. The data have not yet been validated but will be prior to their use in the RI/FS.

5.2.3 Cattle and Related Data

The 1999 and 2000 cattle grazing study was conducted by Monsanto, the Idaho Department of Lands (IDL), UI and the Selenium Committee. The cattle grazing study was conducted during a nine-week period in the summer of 1999. Three separate 30-acre fenced pastures were constructed on reclaimed mine waste rock dumps at Monsanto's (P4's) Henry Mine, located approximately 30 kilometers north of Soda Springs, Idaho and seven kilometers east of the Blackfoot Reservoir and Henry, Idaho. Each of the three pastures was grazed by one group of five cattle for a total of fifteen treatment cattle. Another group of five cattle was placed in a native, undisturbed, non-seleniferous pasture in the vicinity of Grays Lake Wildlife Refuge. Cattle blood and serum samples were obtained from the cattle before, during and after grazing at the Henry Mine reclaimed waste rock dumps. Blood and serum samples were obtained twice from the cattle that grazed at the native, undisturbed, non-seleniferous pasture.

A depuration study was conducted using the fifteen cattle that grazed the Henry Mine reclaimed waste rock dumps and the five cattle from the native, undisturbed, non-seleniferous pasture. The depuration study was conducted under conditions that simulated the normal handling of cattle as they are prepared for market. Cattle blood and serum samples, and skeletal muscle and liver biopsies, were obtained from the cattle at the feedlot. Heart, liver, muscle, and kidney tissue samples were collected from each of the 20 cattle at the time of slaughter.

The Selenium Committee coordinated the analysis of the tissue and blood samples at the UIASL. The purpose of the study was to determine if levels of the targeted trace elements (i.e., cadmium, calcium, copper, iron, lead, magnesium, manganese, molybdenum, phosphorus, selenium, and zinc) were elevated as a result of increased exposures related to phosphate mining, and, if so, to quantify any potential impacts to human health. The

information was also to be used, to the extent possible, to evaluate any threat of historic P4 mining activities on the health of other grazing livestock and wildlife (MW, 2000).

Additional details of the cattle study are provided in the *Data Quality Assessment – Pre-2004 Data, 1999-2000 Cattle Study Data Technical Memorandum* (Appendix D).

5.2.3.1 Data Need and Use

The intended uses of the cattle study data are to support the RI/FS for the P4 Sites, and to assist P4 and the A/T in making informed risk management decisions regarding whether or not past P4 mining activities may result in risks to human health from ingestion of cattle tissues harvested from cattle grazing on the reclaimed P4 mines; the health of cattle or other livestock grazing on the P4 mines; or populations of ecological receptors (e.g., wild ungulates) that may forage on the P4 Sites. The cattle study data represent one line of evidence and will be evaluated in conjunction with other lines of evidence (e.g., screening levels, action levels, and/or predicted concentrations based on soil or vegetation concentrations and standard exposure models) during the preparation of human health and ecological risk assessments for the P4 Sites. Specific use of the 1999-2000 cattle data is detailed in the technical memorandum (Appendix D).

5.2.3.2 Data Quality Objectives

The DQOs for the cattle data to be used in the RI/FS are specified in Table 2 of the *Data Quality Assessment – Pre-2004 Data, 1999-2000 Cattle Study Data Technical Memorandum* (Appendix D).

5.2.3.3 Known Data Quality

Table 1 of the technical memorandum (Appendix D) provides a detailed presentation of the data reported by UIASL and its Veterinary Toxicity Laboratory in 1999 and 2000. These data were assessed against current USEPA (CLP, SW-846, NELAC) standards for ICP methodology. Areas of deficiency and uncertainties are documented in the technical memorandum (Appendix D). The cattle data have not yet been validated. Once validated,

the data will be of known quality, and, with the exception of rejected data, will be available for use in the RI/FS.

5.2.3.4 Data Limitations

The cattle data were screened for use, and the results of the screening are presented in Table 3 of the technical memorandum (Appendix D). Due to the documented deficiencies and uncertainties, the cattle data will not be used in direct measurements of risk; rather, as stated above, they will be used as one line of evidence and will be evaluated in conjunction with other lines of evidence. The data have not yet been validated but will be prior to their use in the RI/FS.

5.3 Pre-2004 Data of Limited Use

With the exception of the elk, bird egg and cattle data discussed above, it is not expected that any of the other pre-2004 data will be used directly for assisting in conducting risk assessment. These pre-2004 data generally lack spatial coverage of the Sites and, as a result, do not provide the necessary coverage for site characterization. However, it is possible that these pre-2004 data may be used during the RI/FS as a "supporting" line of evidence in evaluating the nature and extent of contamination.

The pre-2004 data are discussed below in three groups: (1) groundwater, surface water and sediment; (2) soil and vegetation; and (3) biological data.

5.3.1 Groundwater, Surface Water and Sediment Data

Between 1997 and 2003, up to 23 sampling events were conducted at or near the P4 Sites for groundwater, surface water, and sediments. However, in most cases, data collected under EE/CA (i.e., starting in 2004) were more spatially relevant and better represented current conditions. Nevertheless, there are potential uses for the pre-2004 data as discussed below.

5.3.1.1 Data Need and Use

Pre-2004 groundwater, surface water and sediment data are available for many of the routinely sampled monitoring stations around the P4 Sites. In general, risk management and

similar decisions will be made based on more recent sampling that includes additional stations near the Sites and are more representative of current conditions. However, the pre-2004 data provides a basis for evaluating temporal trends in water quality that may be relevant to the decision-making process. For example, if water quality is improving, a different remedial alternative may be considered than if water quality is degrading with time.

The pre-2004 groundwater, surface water and sediment data may also be used to verify data from later events. If a datum appears anomalous, comparison to pre-2004 samples may confirm or refute the validity of the datum and indicate the need for further sampling or other actions to resolve any concerns.

Other uses of these data may be possible; however, it is not likely that it will be necessary to rely on the pre-2004 data as the sole source of data for any part of the site characterization. Data collected as part of the 2003 CO/AOC are available and are generally more relevant to the RI/FS.

5.3.1.2 Known Data Quality

The pre-2004 groundwater, surface water and sediment data were collected under work plans consistent with CERCLA and the NCP with documented field and laboratory procedures. The results and quality control data were subsequently reviewed for precision, accuracy/bias, representativeness, comparability, completeness, and sensitivity. However, they have not been validated based on the current validation procedures accepted by the A/T. Therefore, the data are of lesser known quality than data that was collected during the EE/CA studies conducted at these Sites (post-2003), which have been validated using the current procedures. Sufficient documentation appears to be available to allow validation of the pre-2004 data should a higher level of data use be necessary. However, at this time validation of the pre-2004 data is not anticipated.

5.3.1.3 Data Limitations

The pre-2004 groundwater, surface water and sediment data have not been validated using current standards and their use is, therefore, limited for risk assessment and similar decision making. However, as discussed above, these data are suitable to support scoping, site

characterization and feasibility uses. Data should be compared to original laboratory data reports since previous reporting and validation methods may not be consistent with current standards.

5.3.2 Soil and Vegetation Data

Soil and vegetation samples were collected sporadically from the P4 Sites prior to the 2003 CO/AOC; therefore, spatial cover at the Ballard and Henry Mines is sparse. However, in 2000, an extensive sampling of soil and vegetation was conducted at the Enoch Valley Mine, including surficial soil and soil at depth. Twelve analytes were evaluated, including selenium, extractable selenium, cadmium, manganese, nickel, vanadium, zinc, calcium, iron, potassium, magnesium, and sodium. The study included 133 soil samples and 83 vegetation samples.

5.3.2.1 Data Need and Use

The soil and vegetation data from the Ballard and Henry Mines is relatively sparse and may only provide some confirmation of sampling conducted in 2009. However, the sampling conducted in 2000 at the Enoch Valley Mine included unique data that will support site characterization (e.g., samples collected from multiple depths, analysis for extractable selenium, and some non-COPC/COPEC analyses for elements that may be important from a plant growth perspective [e.g., potassium and sodium]). The soil and vegetation sampling conducted in 2009 was specifically purposed to support risk assessment. However, combining the 2000 and 2009 data may provide a more robust data set for characterizing nature and extent, and possibly, contaminant fate and transport.

5.3.2.2 Known Data Quality

The soil and vegetation data were collected under work plans consistent with CERCLA and the NCP with documented field and laboratory procedures. The results and quality control data were subsequently reviewed for precision, accuracy/bias, representativeness, comparability, completeness, and sensitivity. However, they have not been validated using currently accepted validation procedures. Therefore, the data are of lesser known quality than data collected under the 2003 CO/AOC, which have been validated using the current

procedures. Sufficient documentation appears to be available to allow validation of the soil and vegetation data should a higher level data use be indicated.

5.3.2.3 Data Limitations

The soil and vegetation data have not been validated using current standards and their use is, therefore, limited for risk assessment and similar decision making. However, they are suitable to support scoping, site characterization and feasibility uses. Data should be compared to original laboratory data reports since previous reporting and validation methods may not be consistent with current standards.

5.3.3 Biological Media Data

A variety of biological-chemical data are available from the pre-2003 CO/AOC period. This includes the elk tissue, bird egg and cattle study data discussed in the previous sections that may be uniquely useful in the risk assessment and are, therefore, considered separately. However, data are also available for other media, including various aquatic invertebrates, fish, small mammals, and terrestrial invertebrates.

5.3.3.1 Data Need and Use

The pre-2004 biological data have limited spatial coverage with respect to the P4 Sites. However, there may be circumstances in which these data may inform identified data needs. For example, limited small mammal sampling was conducted in waste rock areas of the P4 Sites. If, following the risk assessment, the need to sample small mammals is under consideration, then the pre-2004 biological data may be useful to refine the data requirements or for developing a scope. In addition, while the 2004 and later data are more spatially relevant and comprehensive to the P4 Sites for some of the ecological receptors (e.g., fish), the pre-2004 data may be useful in looking at temporal changes or as additional verification of nature and extent. It is not expected that any of these pre-2004 data will be directly used to calculate potential impacts to biologic receptors.

5.3.3.2 Known Data Quality

The pre-2004 biological data were collected under work plans consistent with CERCLA and the NCP with documented field and laboratory procedures. The results and quality control data were subsequently reviewed for precision, accuracy/bias, representativeness, comparability, completeness, and sensitivity. However, they have not been validated using currently accepted validation procedures. Therefore, the data are of lesser known quality than data collected as result of the 2003 CO/AOC, which have been validated using the current procedures. Sufficient documentation appears to be available to allow validation of the biological data should a higher level data use be indicated.

5.3.3.3 Data Limitations

The biological data have not been validated using current standards and their use is, therefore, limited for risk assessment and similar decision making. However, they are suitable to support scoping, site characterization and feasibility uses. Data should be compared to original laboratory data reports since previous reporting and validation methods may not be consistent with current standards.

5.4 Other Relevant Data

Other data for environmental media from academic, governmental or private sources may be applicable to the P4 RI/FS. In most cases, these data will support evaluations conducted using the data collected to specifically address Site environmental conditions and will not be the primary data in analyses. Examples of the type of data that may be considered are those that help address contaminant fate and transport, such as published absorption data, data on concentrations within the in situ source materials, and groundwater movement in regional groundwater systems near the Sites. Key to the use of these data will be proper citation. Some potential sources of relevant data are summarized below. However, during the course of the RI, other relevant data may be identified and used.

5.4.1 USGS Data

Data developed by the USGS is peer-reviewed and assumed to be of high scientific quality. The exception is open-file reports that may be interim in nature. USGS reports and data will be used to support site characterization, primarily in the development of geochemical and hydrogeological conceptual models. Therefore, the data are considered of appropriate quality for the use. Where the data are used, they will be appropriately cited.

5.4.2 Recent IMA-Sponsored Data

Two studies currently being sponsored by the IMA are generating data directly relevant to the Enoch Valley Mine. The first is a geochemical study conducted by TetraTech (2008). This study has not been approved by the A/T or presented in a peer-reviewed journal. As such, conclusions presented in the report will not be utilized. However, the data itself is potentially of great value for site characterization. These data were collected using known and current field sampling and analytical methods, and appropriate scientific principles. Therefore, the data are appropriate for consideration in scoping the RI/FS Work Plan and for RI site characterization.

Similarly, data being collected at the Enoch Valley Mine waste dump to assess cover performance is considered relevant and appropriate for use in the RI/FS (e.g., O'Kane, 2008). These data are generally non-chemical in nature, but instead are physical and hydrological, dealing with the movement of water through the waste rock cover materials. These data may be relevant to evaluate fate and transport, but may be most useful during evaluation of alternatives in the FS. The data have been collected using an appropriate planning process, and have been collected by an engineering firm recognized for their expertise in these types of studies (O'Kane Consultants Inc.). However, the data have not been previously submitted to the A/T.

5.4.3 Permitting Studies

Permitting studies (Environmental Impact Studies [EIS]) have been conducted for phosphate mines throughout southeastern Idaho. Environmental data in these permitting studies has been collected as part of baseline studies. These data have been subjected to

peer and regulatory review and are considered appropriate as supporting lines of evidence for evaluating conditions at the P4 Sites. An example of potentially useful data may be column studies design to address the mobility of selenium in Phosphoria Formation waste rock units (relevant to fate and transport discussions) or data developed to assess various cover configurations (relevant to selection of alternatives).

Data from these studies will generally not be specific to the P4 Sites, with the exception of data collected in association with the Blackfoot Bridge EIS. As part of the Blackfoot Bridge EIS, data were collected from groundwater near the Ballard Mine. Specifically, two wells were installed in the alluvial system and sampled (MW-15A and MW-16A). These wells have now been incorporated into the Ballard Mine monitoring network (MWH, 2009d). Concentration data for 2009 were collected under the P4 EE/CA program. Prior to 2009 these data were collected under the EIS program. It is unlikely that the EIS data will be used to directly support risk assessment, but it may be useful in supporting site characterization and the FS analysis of alternatives.

5.4.4 Other Published Sources

At this time, we are not fully able to anticipate the availability of and need for all potentially relevant data for the RI/FS. It is possible that new data will be located or that a specific line of analysis may lead to a new data need that can be addressed with existing data. For scoping, site characterization, and FS data uses, we anticipate that such data will be used in the RI/FS so long as it is documented, judged to be acceptable for its use, and any uncertainty associated with the analysis due to the data is documented. Similarly, unless the data are used as a primary line of evidence in the risk assessment, such data use will be cited, as appropriate. If based on professional judgment, the use of such data may be critical to any analysis, the A/T will be notified so that use of the data can be appropriately assessed.

6.0 SUMMARY AND CONCLUSIONS

In general, the consideration of existing data for use in the P4 RI/FS is simplified because most of the data, including all of the EE/CA data (post 2004), were collected specifically to address the environmental concerns being evaluated in the RI/FS. Therefore, the investigations were conducted using the appropriate methods and procedures for (1) planning, (2) work plan preparation, (3) field procedures, (4) sample analysis, and (5) data validation and reporting. This is in contrast to attempting to incorporate analytical data that may have been collected as part of dissimilar studies. Table 6-1 summarizes the data sets discussed and projected data uses in the RI/FS, and Table 6-2 provides additional details on status of the individual data set, including disposition of related DQOs. Table 6-3 provides additional support information related to quantitative comparision of data to screening levels (i.e., DQO related to comparison to risk based standards).

In summary, P4 anticipates that:

- because the pre-2004 data listed in Table 6-1 have been collected using appropriate planning, sampling methods, trained sampling teams, analytical methods, and known laboratories with appropriate credentials, the data will be useful for RI/FS scoping, site characterization, and FS evaluation of alternatives at a minimum;

- data collected by P4 specifically as part of the EE/CA (2004 to 2009) for the Sites, which have been validated to current standards, will be appropriate for risk assessment, in addition to any other use that is of value during the RI/FS, including determination of the nature and extent of contaminants in various media at the Sites. In addition, it is anticipated that pre-2004 elk tissue, bird egg and cattle study data will be acceptable to support the risk assessment, once validated. The acceptability of the data for these uses will be formally requested in Part 2 of this document in the DAR; and

- other relevant data that are published, and potentially, some unpublished data that may be appropriate for use in the RI/FS. To provide a more robust RI/FS these data will be used, as appropriate, with professional judgment employed as to the quality of the data. It is unlikely that any decisions will be made solely based on these "outside" data, but instead, they will be used to supplement mine-specific data. This practice is common in scientific work and CERCLA studies. These data, where used, will be referenced appropriately so that reviewers can assess the appropriateness and quality of the data.

TABLE 6-1
SUMMARY OF ENVIRONMENTAL DATA AND REQUESTED USES

Data Set	Dates of Collection	Data Quality Note	Scoping and Characterization	Risk Assessment	Feasibility Study
Groundwater	1998	Data collected under specific environmental data collection programs and plans. Data were not validated to current standards. However, data collection and analysis are well documented. These data could be evaluated and validated for higher level data uses, as necessary.	X		X
SEGW	1997 - 2003		X		X
Surface Water	1997 - 2003		X		X
Sediment	1998 - 2002		X		X
Fish	1998 - 2000		X		
Aquatic Invertebrates	1999 & 2000		X		
Riparian Soil	2001		X		
Riparian Vegetation	1999 & 2001		X		
Upland Soil	1998, 2000 & 2001		X		X
Upland Vegetation	1998, 2000 & 2001		X		X
Small Mammals	2001		X		
Terrestrial Invertebrates	2002		X		
Cattle	1999 & 2000	Data quality and limitations assessed herein can be validated to current standards	X	X	X
Bird Egg	1999 - 2001		X	X	X
Elk	1999 & 2000		X	X	X
Groundwater	2004 - 2009	Validated to current validation standards – acceptable for all data uses during the RI/FS per qualifications and pending RI/FS DQOs.	X	X	X
SEGW	2004 - 2009		X	X	X
Surface Water	2004 - 2009		X	X	X
Sediment	2004 & 2007		X	X	X
Fish	2004		X	X	X
Benthic Macroinverts.	2004		X	X	X
Riparian Soil	2004		X	X	X
Riparian Vegetation	2004		X	X	X
Upland Soil	2004 & 2009		X	X	X
Upland Vegetation	2004 & 2009		X	X	X

Notes:
SEGW = Surface Expressions of Groundwater such as springs, seeps and headwater stream baseflow.
Aquatic Invertebrates = macroinvertebrates, macrophytes, periphyton, and plankton.

TABLE 6-2
SUMMARY OF DQO COMPARISON FOR APPLICABLE DATA SETS

Data Set	Most Recent DQOs	Data Meets Quantitative Decision Rules	Data Suitable for Qualitative Decision Rules	Data Requires Further Evaluation Against RI/FS DQOs
2004 – 2009 Groundwater (incl. surface expressions of groundwater, i.e., seeps and springs)	2009 SAP (MWH, 2009e)	Yes – with minor exceptions for antimony, arsenic, beryllium, cadmium, cobalt, and manganese due to raised reporting limits (see Table 6-3)	Yes	No
2004 – 2009 Surface Water	2009 – 2010 SAP (MWH, 2009f)	NA – Current DQOs not completely relevant to RI. However, existing data compared to screen criteria indicates (a) minor exceptions for boron and copper (the laboratory MDL [0.01 mg/L] is just slightly below the screening value [0.011 mg/L], and (b) more significant exceptions for beryllium, cobalt, silver, and thallium. The screening values for these analytes are the chronic freshwater NOAA SQuiRT values; the impact of elevated MDLs relative to the chronic freshwater NOAA SQuiRT value for beryllium, cobalt, silver, and thallium will be addressed in the uncertainties discussion of the RI/FS risk assessment.	Yes	Yes. Need to compare existing data to updated DQOs for RI/FS
2004 Sediment	2004 EE/CA Planning Documents (require updating)	NA	NA	Yes - Needed DQOs to be developed for RI sampling program.
2004 Riparian Soil and Vegetation	2009 SAP (MWH, 2009c)	Yes	No - DQOs not developed specifically for riparian soils. Additional, COPCs need to be considered.	Yes - Needed DQOs to be developed for RI sampling program.

TABLE 6-2
SUMMARY OF DQO COMPARISON FOR APPLICABLE DATA SETS

Data Set	Most Recent DQOs	Data Meets Quantitative Decision Rules	Data Suitable for Qualitative Decision Rules	Data Requires Further Evaluation Against RI/FS DQOs
2009 Soil and Vegetation (part of 2004 – 2009 Upland Soil and Upland Vegetation Data Set)	2009 SAP (MWH, 2009c)	Yes – with minor exceptions due to raised MDLs due to low vegetation sample mass.	Yes	No
2004 Transect Sampling of Soil and Vegetation (part of 2004 – 2009 Upland Soil and Upland Vegetation Data Set)	2009 SAP (MWH, 2009c)	Yes – However, sampling limited to selenium	Generally, yes. Data will be supplementary to 2009 data.	Yes - However, because these are supplementary data DQOs are more general.
2004 Monthly Vegetation Sampling (part of 2004 – 2009 Upland Vegetation Data Set)	2009 SAP (MWH, 2009c)	Yes – However, sampling limited to selenium	Generally, yes. Data will be supplementary to 2009 data.	Yes - However, because these are supplementary data DQOs are more general.
2004 Fish and Aquatic Invertebrate	2004 EE/CA Planning Documents (require updating)	NA	NA	Yes - These data will provide secondary support in RA analyses.
1999 – 2001 Cattle, Elk and Bird Egg	This DQUR, see Appendices B, C and D	Yes	Yes	No - (see Appendices B, C and D)
Other Pre-2004 Biotic Data	None Applicable	NA	NA	No - Secondary supporting role. Data need to be determined during the RA.
Other Pre-2004 Abiotic Data	None Applicable	NA	NA	No - Supporting role in site characterizations (i.e., temporal trends and verification of later data).

Notes:
NA – not applicable

TABLE 6-3
COMPARISON OF DETECTION LIMITS TO SCREENING CRITERIA FOR DQO ASSESSMENT

Investigation [a]	Matrix	Analyte List	Sensitivity Evaluation [b]				
2004-2008 Monitoring Events	Surface Water	Analyte lists vary from location and event. One or more of the following: total and/or dissolved Al, Sb, As, Ba, Be, B, Cd, Cr, Co, Cu, Fe, Pb, Mn, Hg, Mo, Ni, K, Se, Ag, Tl, U, V, Zn	Either the analyte was detected or the MDL associated with the non-detected value was less than the screening level for all samples for all analytes, with the following exceptions:				
			Number of Samples Impacted	Analyte	Result, mg/L	Screening value, mg/L	Comment
			6	Be (T)	< 0.002	0.0006	Laboratory MDL > SV
			46	Be (D)	< 0.002	0.0006	Laboratory MDL > SV
			1	B (D)	< 0.01	0.0016	Laboratory MDL > SV
			6	Co (T)	< 0.01	0.003	Laboratory MDL > SV
			46	Co (D)	< 0.01	0.003	Laboratory MDL > SV
			5	Cu (T)	< 0.01	0.011	Laboratory MDL > SV
			46	Cu (D)	< 0.01	0.011	Laboratory MDL > SV
			6	Ag (T)	< 0.01	0.00036	Laboratory MDL > SV
			46	Ag (D)	< 0.01	0.00036	Laboratory MDL > SV
			2	Tl (T)	< 0.0001	0.00003	Laboratory MDL > SV
			36	Tl (D)	< 0.0001	0.00003	Laboratory MDL > SV
2004-2008 Monitoring Events	Ground-water	Analyte lists vary from location and event. One or more of the following: total and/or dissolved Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Mo, Ni, K, Se, Ag, Na, Tl, V, Zn	Either the analyte was detected or the MDL associated with the non-detected value was less than the screening level for all samples for all analytes, with the following exceptions:				
			Number of Samples Impacted	Analyte	Result, mg/L	Screening value, mg/L	Comment
			1	Sb (T)	< 0.008	0.006	Raised RL
			1	As (T)	< 0.0125	0.01	Raised RL
			1	Be (T)	< 0.002	0.004	Raised RL
			7	Cd (T)	< 0.05 and < 0.1	0.005	Raised RL
			2	Co (T)	< 0.02 and < 0.05	0.011	Raised RL
			3	Co (D)	< 0.02	0.011	Raised RL
			6	Mn (T)	< 0.3 and < 0.5	0.05	Raised RL

TABLE 6-3
COMPARISON OF DETECTION LIMITS TO SCREENING CRITERIA FOR DQO ASSESSMENT

Investigation [a]	Matrix	Analyte List	Sensitivity Evaluation [b]
2004 Riparian Soil	Soil Vegetation	Cd, Cr, Cu, Mo, Ni, Se, V, Zn Cd, Cu, Mo, Se, Zn	Either the analyte was detected or the MDL associated with the non-detected value was less than the screening level for all samples (soil and vegetation) for all analytes.
2004 Transect Sampling	Soil Vegetation	Se Se	Either Se was detected or the MDL associated with the non-detected value was less than the screening level for all samples (soil and vegetation).
2004 Composite Samples Monthly (i.e., for 6 months)	Vegetation	Se	Either Se was detected or the MDL associated with the non-detected value was less than the screening level for all samples.

Notes:
[a] The investigation name or designation corresponds to the descriptions specified on Tables 3-17, 3-33, and 3-50 in the Draft RI/FS Work Plan.

[b] The results were screened against the screening values listed on Table 3-1 of the Draft RI/FS Work Plan. Each target analyte identified has a screening value.

Analytes - Al (aluminum), Sb (antimony), As (arsenic), Ba (barium), Be (beryllium), B (boron), Cd (cadmium), Ca (calcium), Cr (chromium), Co (cobalt), Cu (copper), Fe (iron), Pb (lead), Mg (magnesium), Mn (manganese), Hg (mercury), Mo (molybdenum), Ni (nickel), K (potassium), Se (selenium), Ag (silver), Na (sodium), Tl (thallium), U (uranium), V (vanadium), Zn (zinc).

D – dissolved
T – total
MDL – method detection limit
SV – screening value

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PART 2 - DATA APPROVAL REQUEST

1.0 INTRODUCTION

This DAR is the second part of a two-part document prepared by MWH on behalf of P4, in accordance with the requirements of the 2009 CO/AOC (USEPA, 2009) and the SOW that is an appendix to the 2009 CO/AOC. The 2009 CO/AOC is a voluntary agreement between P4 and the A/T. The overall purpose of the 2009 CO/AOC is to conduct a RI/FS for P4's Ballard, Henry and Enoch Valley Mines (the Sites). The 2009 CO/AOC supersedes a previous CO/AOC signed in 2003 by these same parties to conduct an EE/CA at these Sites. This DAR is being prepared as specified in the SOW and supports the RI/FS scoping process by formally requesting preliminary approval of the intended data uses summarized in the DQUR (Part 1 of this document). Consistent with the SOW, final approval of the data and data uses will be inherent to the approval of the RI/FS Work Plan where project-specific DQOs and risk assessment plans will be submitted and the data uses and data can be evaluated holistically.

2.0 DATA REQUESTED FOR ALL DATA USES

P4 requests that the following data sets be preliminarily accepted for all data uses during the RI/FS. The primary data uses will be scoping the RI/FS Work Plan, site characterization, risk assessment and analysis of alternatives for the FS. Other uses may include engineering design and providing a baseline for implementation monitoring.

- Pre-2004 analytical data and supporting meta-data for elk tissue, bird egg and cattle data evaluated in the DQUR that can be validated to current standards as part of the RI/FS.

- All analytical data and supporting meta-data for sampling programs conducted as part of the 2003 CO/AOC for conducted the EE/CA (i.e., the 2004 - 2009 data).

Data indicated in the DQUR and DAR as being suitable for "all data uses" are available for consideration for the specific and relevant uses indicated above. However, the use of such data is still subjected to project-specific data usability evaluations during the RI/FS Work Plan development process based on Data Quality Objectives (DQOs), risk assessment

planning and possibly other planning steps. There may also be other known limitation associated with some data that will need to be considered (e.g., spatial distribution relevant to the problem being addressed).

3.0 DATA REQUESTED FOR SCOPING, SITE CHARACTERIZATION AND FEASIBILITY STUDY DATA USES

In addition to those data requested for all data uses, P4 requests to be allowed to utilize the following data for scoping the RI/FS Work Plan and in the RI/FS site characterization and FS evaluation of alternatives.

- Pre-2004 analytical data collected in support of environmental studies near the P4 Ballard, Henry and Enoch Valley Mines and supporting meta-data other than elk tissue, bird egg, and cattle data.

- Other chemical, biological, hydrological, geological, hydrogeological, meteorological, and general data, published or unpublished, having documented sources that allow for evaluation of the relative quality of the data.

APPENDIX A
Revised Tables 18 And 19

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Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L)

		Selenium																				
								Unfiltered														
Station		Sept. 1997						1998						1999			1999			1999		
Name	ID	Filtered	RL	Flag	Unfiltered	RL	Flag	May	RL	Flag	Sept.	RL	Flag	May	RL	Flag	June	RL	Flag	July	RL	Flag
Henry Mine South Pit Overburden Dump Limestone Drain	MDS022	-			-			0.00037	0.00070	U	-0.00024	0.00070	U	-			-			-		
Enoch Valley Shop/Office Well	MPW019	-			-			0.00082			0.0016			-			-			-		
Henry Mine Henry Pond	MSP014	-			0.0067			-			-			-			-			-		
Henry Mine Smith Pond	MSP015-avg	-			0.042			-			-			-			-			-		
	MSP015-R1	-			0.044			-			-			-			-			-		
	MSP015-R2	-			0.041			-			-			-			-			-		
	MSP015-R2-D	-			0.041			-			-			-			-			-		
	MSP015-R3	-			0.041			-			-			-			-			-		
Henry Mine Center Henry Pond	MSP016	-			0.025			-			-			-			-			-		
Enoch Valley Mine South Pond	MSP017	-			0.0091			-			-			-			-			-		
Enoch Valley Mine Bat Cave Pond	MSP019	-			0.016			-			-			-			-			-		
Enoch Valley Mine West Pond	MSP020	-			0.021			-			-			-			-			-		
Enoch Valley Mine Stock Pond	MSP021-avg	-			0.026			-			-			-			-			-		
	MSP021-R1	-			0.028			-			-			-			-			-		
	MSP021-R2	-			0.025			-			-			-			-			-		
	MSP021-R2-D	-			0.025			-			-			-			-			-		
	MSP021-R3	-			0.025			-			-			-			-			-		
Enoch Valley Mine Tipple Pond	MSP022	-			0.071			-			-			-			-			-		
Enoch Valley Mine Haul Road Pond	MSP023	-			0.0022			-			-			-			-			-		
Enoch Valley Mine Shop Pond	MSP031	-			0.0051			-			-			-			-			-		
Blackfoot River, below Ballard Creek	MST019	-			-			0.0067			0.00074			-			-			-		
Blackfoot River, below State Land Creek	MST020	-			-			0.0068			0.00099			-			-			-		
Blackfoot River, below Wooley Valley Creek	MST022-avg	-			-			0.0054			0.0020			-			-			-		
	MST022-R0	-			-			0.0053			-			-			-			-		
	MST022-R1	-			-			0.0053			0.0021			-			-			-		
	MST022-R2	-			-			0.0054			0.0020			-			-			-		
	MST022-R3	-			-			0.0058			0.0020			-			-			-		
	MST022-R4	-			-			0.0052			-			-			-			-		
Blackfoot River, below Dry Valley Creek	MST023-avg	0.0021			0.0022			0.0072			0.0029			0.0088			-			-		
	MST023-R1	0.0021			0.0021			-			0.0030			-			-			-		
	MST023-R2	0.0019			0.0021			-			0.0028			-			-			-		
	MST023-R2-D	0.0021			0.0019			-			-			-			-			-		
	MST023-R3	-			0.0021			-			0.0030			-			-			-		
	MST023-R3-D	-			0.0026			-			-			-			-			-		
Blackfoot River, above Dry Valley Creek	MST024-avg	0.0025			0.0024			0.0049			0.0013			0.0083			-			-		
	MST024-R1	0.0023			0.0028			-			-			-			-			-		
	MST024-R2	0.0036			0.0023			-			-			-			-			-		
	MST024-R2-D	0.0030			0.0023			-			-			-			-			-		
	MST024-R3	0.0020			0.0021			-			-			-			-			-		
Blackfoot River, above Wooley Range Ridge Creek	MST026-avg	-			-			0.0049			0.0021			0.0091			-			-		
	MST026	-			-			-			0.0021			-			-			-		
	MST026-D	-			-			-			0.0021			-			-			-		
	MST026-R1	-			-			-			-			0.0090			-			-		
	MST026-R2	-			-			-			-			0.0091			-			-		
	MST026-R2-D	-			-			-			-			0.0097			-			-		
	MST026-R3	-			-			-			-			0.0090			-			-		
Blackfoot River, above Spring Creek	MST029	-			-			0.012			0.00053	0.00070	U	0.00044	0.00070	U	-			-		
Little Blackfoot River, below Long Valley Creek	MST043	-			-			0.0000039	0.00070	U	0.0015			-			-			-		
Little Blackfoot River, immediately below Henry Mine	MST044-avg	0.00079			0.0011			-0.00025	0.00070	U	0.00072	0.00049<x<0.00073	U	-			-			-		
	MST044-R0	-			-			-0.00022	0.00070	U	-			-			-			-		
	MST044-R1	-			-			-0.00017	0.00070	U	0.00068	0.00070	U	-			-			-		
	MST044-R2	-			-			-0.00029	0.00070	U	0.00070			-			-			-		
	MST044-R3	-			-			-0.00046	0.00070	U	0.00078			-			-			-		
	MST044-R4	-			-			-0.00012	0.00070	U	-			-			-			-		
Little Blackfoot River, above Henry Creek	MST045	0.00074			0.00081			-			-			-			-			-		
Little Blackfoot River, below Lone Pine Creek	MST046	-			-			-0.00027	0.00070	U	0.00023	0.00070	U	-			-			-		
Little Blackfoot River, above Lone Pine Creek	MST047-avg	-			-			-0.00070	0.00070	U	0.00031	0.00070	U	-			-			-		
	MST047	-			-			-0.00058	0.00070	U	0.00031	0.00070	U	-			-			-		
	MST047-D	-			-			-0.00081	0.00070	U	-			-			-			-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

		Selenium																				
								Unfiltered														
Station		Sept. 1997						1998						1999			1999			1999		
Name	ID	Filtered	RL	Flag	Unfiltered	RL	Flag	May	RL	Flag	Sept.	RL	Flag	May	RL	Flag	June	RL	Flag	July	RL	Flag
Little Blackfoot River, below Reese Creek	MST048-avg	-			-			-0.0014	0.00070	U	-0.000090	0.00070	U	-			-			-		
	MST048-R0	-			-			-0.0012	0.00070	U	-			-			-			-		
	MST048-R1	-			-			-0.0015	0.00070	U	-0.00029	0.00070	U	-			-			-		
	MST048-R2	-			-			-0.0013	0.00070	U	-0.000088	0.00070	U	-			-			-		
	MST048-R3	-			-			-0.0015	0.00070	U	0.00010	0.00070	U	-			-			-		
	MST048-R4	-			-			-0.0015	0.00070	U	-			-			-			-		
Little Blackfoot River, above Reese Creek	MST049-avg	-			-			-0.0011	0.00070	U	0.000030	0.00070	U	-			-			-		
	MST049-R0	-			-			-0.0017	0.00070	U	-			-			-			-		
	MST049-R1	-			-			-0.0015	0.00070	U	-0.00014	0.00070	U	-			-			-		
	MST049-R1-D	-			-			-0.0013	0.00070	U	-			-			-			-		
	MST049-R2	-			-			-0.0013	0.00070	U	0.00020	0.00070	U	-			-			-		
	MST049-R3	-			-			-0.0015	0.00070	U	0.000040	0.00070	U	-			-			-		
	MST049-R4	-			-			0.00020	0.00070	U	-			-			-			-		
Caldwell Creek, below Phosphoria Formation Outcrop	MST101-avg	0.00042	0.00070	U	0.00055	0.00035<x <0.00070	U	-0.00040	0.00070	U	0.0018			-			-			-		
	MST101	-			0.00070			-			-			-			-			-		
	MST101-D	-			0.00039	0.00070	U	-			-			-			-			-		
	MST101-R0	-			-			-0.00011	0.00070	U	-			-			-			-		
	MST101-R1	-			-			-0.00055	0.00070	U	0.0029			-			-			-		
	MST101-R2	-			-			-0.00051	0.00070	U	0.0012			-			-			-		
	MST101-R2-D	-			-			-			0.0013			-			-			-		
	MST101-R3	-			-			-0.00030	0.00070	U	0.0011			-			-			-		
	MST101-R4	-			-			-0.00055	0.00070	U	-			-			-			-		
Angus Creek, below Wooley Valley Mine	MST129	-			-			0.0031			0.00041	0.00070	U	-			-			-		
Rasmussen Creek, above Angus Creek	MST131	-			-			0.0013			0.0010			-			-			-		
Angus Creek, below Rasmussen Creek	MST132-avg	-			-			0.0014			0.00064	0.00070	U	-			-			-		
	MST132	-			-			-			0.00056	0.00070	U	-			-			-		
	MST132-D	-			-			-			0.00072	0.00070	U	-			-			-		
Rasmussen Creek, below Enoch Valley Mine	MST133	0.0015			0.0013			-			-			-			-			-		
Blackfoot River, below Spring Creek	MST229	-			-			-			-			0.021			-			-		
Blackfoot River, above Blackfoot Reservoir	MST232-avg	-			-			-			-			0.0075			0.0019			0.0017		
	MST232-R1	-			-			-			-			-			0.0020			0.0015		
	MST232-R2	-			-			-			-			-			0.0018			0.0018		
	MST232-R3	-			-			-			-			-			0.0019			-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

		Selenium																	
		Unfiltered																	
Station		1999															2000		
Name	ID	Aug.	RL	Flag	Sept.	RL	Flag	Oct.	RL	Flag	Nov.	RL	Flag	Dec.	RL	Flag	May	RL	Flag
Upper Blackfoot Reservoir	MRV001	-			-0.0000014	0.00070	U	-			-			-			0.00080	0.0010	U
Upper Blackfoot Reservoir	MRV002-avg	-			-0.000020	0.00070	U	-			-			-			-0.00017	0.0010	U
	MRV002-R1	-			0.00033	0.00070	U	-			-			-			-0.00040	0.0010	U
	MRV002-R2	-			-0.00011	0.00070	U	-			-			-			-0.00044	0.0010	U
	MRV002-R2-D	-			-			-			-			-			0.000094	0.0010	U
	MRV002-R3	-			-0.00028	0.00070	U	-			-			-			0.000033	0.0010	U
Upper Blackfoot Reservoir	MRV003	-			0.00012	0.00070	U	-			-			-			0.000049	0.0010	U
Upper Blackfoot Reservoir	MRV004-avg	-			0.00057	0.00070	U	-			-			-			0.00023	0.0010	U
	MRV004	-			-			-			-			-			-0.000056	0.0010	U
	MRV004-D	-			-			-			-			-			0.00052	0.0010	U
Upper Blackfoot Reservoir	MRV005-avg	-			0.0010	0.00086<x<0.0011	U	-			-			-			0.00030	0.0010	U
	MRV005	-			0.0017			-			-			-			-		
	MRV005-D	-			0.00054	0.00070	U	-			-			-			-		
Lower Blackfoot Reservoir	MRV006	-			0.00089			-			-			-			0.00038	0.0010	U
Lower Blackfoot Reservoir	MRV007-avg	-			0.00038	0.00012<x<0.00071	U	-			-			-			0.00031	0.0010	U
	MRV007-R1	-			0.00036	0.00070	U	-			-			-			0.00039	0.0010	U
	MRV007-R2	-			0.000026	0.00070	U	-			-			-			0.00020	0.0010	U
	MRV007-R3	-			0.00074			-			-			-			0.00033	0.0010	U
Lower Blackfoot Reservoir	MRV008	-			0.00019	0.00070	U	-			-			-			0.00048	0.0010	U
Lower Blackfoot Reservoir	MRV009	-			-0.000078	0.00070	U	-			-			-			0.00070	0.0010	U
Lower Blackfoot Reservoir	MRV010	-			-0.000080	0.00070	U	-			-			-			0.00049	0.0010	U
Reservoir Delta at Blackfoot River	MRV011-avg	-			0.0010	0.00090<x<0.0011	U	-			-			-			-		
	MRV011-R1	-			0.0018			-			-			-			-		
	MRV011-R1-D	-			0.00059	0.00070	U	-			-			-			-		
	MRV011-R2	-			0.0011			-			-			-			-		
	MRV011-R3	-			0.00084			-			-			-			-		
Blackfoot River, below Ballard Creek	MST019	-			0.00041	0.00070	U	-			-			-			0.0038		
Blackfoot River, below State Land Creek	MST020	-			0.0016			-			-			-			0.0055		
Blackfoot River, below Trail Creek	MST021	-			0.0023			-			-			-			0.0057		
Blackfoot River, below Wooley Valley Creek	MST022	-			-			-			-			-			0.0063		
Blackfoot River, below Dry Valley Creek	MST023	-			0.0032			-			-			-			0.0048		
Blackfoot River, above Dry Valley Creek	MST024	-			0.0028			-			-			-			0.0041		
Blackfoot River, above Wooley Range Ridge Creek	MST026-avg	-			0.0022			-			-			-			0.0040		
	MST026-R1	-			0.0026			-			-			-			-		
	MST026-R2	-			0.0023			-			-			-			-		
	MST026-R3	-			0.0017			-			-			-			-		
Blackfoot River, below Angus Creek	MST027	-			0.0016			-			-			-			0.0029		
Blackfoot River, above Diamond Creek Rd	MST028	-			0.00093			-			-			-			0.0071		
Blackfoot River, above Spring Creek	MST029	-			0.0037			-			-			-			0.00077	0.0010	U
Little Blackfoot River, below Long Valley Creek	MST043-avg	-			0.00054	0.00070	U	-			-			-			0.00020	0.0010	U
	MST043-R1	-			-			-			-			-			0.00060	0.0010	U
	MST043-R2	-			-			-			-			-			0.00012	0.0010	U
	MST043-R3	-			-			-			-			-			-0.00013	0.0010	U
Little Blackfoot River, above Reese Creek	MST049	-			0.00020	0.00070	U	-			-			-			-0.00023	0.0010	U
Lone Pine Creek, above Spring-Fed Creek	MST054	-			0.00050	0.00070	U	-			-			-			0.00035	0.0010	U
Wooley Valley Creek, above Blackfoot River	MST088-avg	-			0.0022			-			-			-			0.0014		
	MST088	-			0.0022			-			-			-			-		
	MST088-D	-			0.0021			-			-			-			-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

		Selenium																	
		Unfiltered																	
Station		1999															2000		
Name	ID	Aug.	RL	Flag	Sept.	RL	Flag	Oct.	RL	Flag	Nov.	RL	Flag	Dec.	RL	Flag	May	RL	Flag
Spring-fed tributary #1 of North Fork Wooley Valley Creek,	MST094	-			-			-			-			-			NS		
Spring-fed tributary #2 of North Fork Wooley Valley Creek,	MST095	-			-			-			-			-			0.047		
Tributary of North Fork Wooley Valley Creek, below Ballard	MST096	-			-			-			-			-			0.098		
Caldwell Creek, below Phosphoria Formation Outcrop	MST101-avg	-			-0.00017	0.00070	U	-			-			-			0.000017	0.0010	U
	MST101-R1	-			-0.00008	0.00070	U	-			-			-			0.00022	0.0010	U
	MST101-R2	-			0.00016	0.00070	U	-			-			-			-0.00034	0.0010	U
	MST101-R3	-			-0.00060	0.00070	U	-			-			-			0.00017	0.0010	U
Angus Creek, below No Name Creek	MST127	-			-0.00042	0.00070	U	-			-			-			0.0018		
Angus Creek, below Wooley Valley Mine	MST129-avg	-			-0.00093	0.00070	U	-			-			-			0.0012		
	MST129	-			-0.00085	0.00070	U	-			-			-			-		
	MST129-D	-			-0.0010	0.00070	U	-			-			-			-		
Angus Creek, below Upper Angus Creek Reservoir	MST130	-			0.0015			-			-			-			0.0065		
Rasmussen Creek, below Enoch Valley Mine	MST133	-			0.0020			-			-			-			0.0019		
East Fork Rasmussen Creek, above Rasmussen Creek	MST143	-			-			-			-			-			0.0011		
East Fork Lone Pine Creek, below Wooley Valley Mine	MST226	-			-			-			-			-			-0.00051	0.0010	U
Blackfoot River, below Spring Creek	MST229-avg	-			0.0021			-			-			-			0.0041		
	MST229-R1	-			0.0024			-			-			-			0.0042		
	MST229-R2	-			0.0016			-			-			-			0.0041		
	MST229-R3	-			0.0022			-			-			-			0.0041		
Blackfoot River, above State Land Creek	MST230	-			0.0014			-			-			-			0.0055		
Blackfoot River, above Blackfoot Reservoir	MST232-avg	0.0015			0.0017			0.0020			0.0017			0.0022			0.0049		
	MST232	0.0015			-			-			-			-			0.0046		
	MST232-D	0.0015			-			-			-			-			0.0052		
	MST232-R1	-			-			0.0020			0.0018			0.0022			-		
	MST232-R2	-			-			0.0019			0.0016			0.0025			-		
	MST232-R3	-			-			0.0020			0.0017			0.0018			-		
Meadow Creek, above Blackfoot Reservoir	MST235	-			0.00018	0.00070	U	-			-			-			0.00049	0.0010	U
Stewart Creek, above Diamond Creek	MST236-avg	-			-0.00064	0.00070	U	-			-			-			0.00040	0.0010	U
	MST236-R1	-			-0.00047	0.00070	U	-			-			-			0.00052	0.0010	U
	MST236-R1-D	-			-0.00072	0.00070	U	-			-			-			-		
	MST236-R2	-			-0.00074	0.00070	U	-			-			-			0.00052	0.0010	U
	MST236-R3	-			-0.00058	0.00070	U	-			-			-			0.00017	0.0010	U
Timber Creek, above Diamond Creek	MST237-avg	-			-0.00058	0.00070	U	-			-			-			0.0013	0.0012<x<0.0019	U
	MST237-R1	-			-0.00070	0.00070	U	-			-			-			0.0036		
	MST237-R2	-			-0.00056	0.00070	U	-			-			-			0.000079	0.0010	U
	MST237-R3	-			-0.00048	0.00070	U	-			-			-			0.00030	0.0010	U

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Selenium

Station		2001			2002												2003					
Name	**ID**	**May**	**RL**	**Flag**	**May**	**RL**	**Flag**	**July**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**Nov.**	**RL**	**Flag**	**Jan**	**RL**	**Flag**	**March**	**RL**	**Flag**
Henry Mine South Pit Overburden Dump Limestone Drain	MDS022-avg	0.00071	0.0010	UJ	0.00047	0.0010	U	-			-0.0016	0.0010	UJ	-			-			-		
	MDS022-R1	-			0.00080	0.0010	U	-			-			-			-			-		
	MDS022-R2	-			0.00040	0.0010	U	-			-			-			-			-		
	MDS022-R3	-			0.00020	0.0010	U	-			-			-			-			-		
Enoch Valley Mine West Dump Seep	MDS025	0.0026			0.00060	0.0010	U	-			-			-			-			-		
Enoch Valley Mine South Dump Seep	MDS026	0.049			0.12			-			0.020		J	-			-			-		
Reservoir Delta at Blackfoot River	MRV011	-			0.0060	0.015	U	-			-0.00060	0.0010	UJ	-			-			-		
Reservoir Delta at Little Blackfoot River	MRV016	-			0.0010	0.015	U	-			-			-			-			-		
Reservoir Delta at Meadow Creek	MRV017-avg	-			0.00020	0.0010	U	-			-0.0013	0.0010	UJ	-			-			-		
	MRV017-R1	-			-			-			-0.0011	0.0010	UJ	-			-			-		
	MRV017-R2	-			-			-			-0.0017	0.0010	UJ	-			-			-		
	MRV017-R3	-			-			-			-0.0012	0.0010	UJ	-			-			-		
Enoch Valley Mine, Hedin Spring	MSG001	-			0.0010	0.015	U	-			0.0040		J	-			-			-		
Ballard Mine, Garden Hose Spring	MSG003	-			0.47			-			0.42		J	-			-			-		
Ballard Mine, Holmgren Spring	MSG004	-			-			-			0.0080		J	-			-			-		
Ballard Mine, Cattle Spring	MSG005	-			-			-			0.0030		J	-			-			-		
Ballard Mine Dredge Pond	MSP010-avg	0.58		J	0.67			0.11			0.86		J	-			-			-		
	MSP010-R1	-			0.67			0.11			-			-			-			-		
	MSP010-R2	-			0.67			0.11			-			-			-			-		
	MSP010-R3	-			0.68			0.11			-			-			-			-		
Ballard Mine Upper Elk Pond	MSP011	0.094		J	0.094			-			-			-			-			-		
Ballard Mine Lower Elk Pond	MSP012-avg	0.22		J	0.17			-			-			-			-			-		
	MSP012	0.22		J	-			-			-			-			-			-		
	MSP012-D	0.21		J	-			-			-			-			-			-		
Ballard Mine Northeast Pond	MSP013	-			-			-			-			-			-			-		
Henry Mine Henry Pond	MSP014	0.0042		J	0.035			-			0.0020		J	-			-			-		
Henry Mine Smith Pond	MSP015	0.13		J	0.36			-			0.088		J	-			-			-		
Henry Mine Center Henry Pond	MSP016-avg	0.060		J	0.18			-			0.024		J	-			-			-		
	MSP016	0.062		J	-			-			-			-			-			-		
	MSP016-D	0.058		J	-			-			-			-			-			-		
	MSP016-R1	-			-			-			0.024		J	-			-			-		
	MSP016-R2	-			-			-			0.024		J	-			-			-		
	MSP016-R3	-			-			-			0.023		J	-			-			-		
Enoch Valley Mine South Pond	MSP017	0.22		J	0.44			-			0.021		J	-			-			-		
Enoch Valley Mine Keyhole Pond	MSP018	0.20		J	0.30			0.13			0.032		J	0.023			0.0020			-		
Enoch Valley Mine Bat Cave Pond	MSP019	0.025		J	0.025			-			0.013		J	-			-			-		
Enoch Valley Mine West Pond	MSP020	0.037		J	0.16			-			0.025		J	-			-			-		
Enoch Valley Mine Stock Pond	MSP021-avg	0.11		J	0.15			-			0.038		J	-			-			-		
	MSP021-R1	-			0.16			-			-			-			-			-		
	MSP021-R2	-			0.14			-			-			-			-			-		
	MSP021-R3	-			0.14			-			-			-			-			-		
Enoch Valley Mine Tipple Pond	MSP022	0.040		J	0.043			-			0.029		J	-			-			-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Selenium

Station		2001			2002												2003					
Name	**ID**	**May**	**RL**	**Flag**	**May**	**RL**	**Flag**	**July**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**Nov.**	**RL**	**Flag**	**Jan**	**RL**	**Flag**	**March**	**RL**	**Flag**
Enoch Valley Mine Haul Road Pond	MSP023	0.024		J	0.037			-			0.069		J	-			-			-		
Enoch Valley Mine Shop Pond	MSP031	0.0025		J	0.0020	0.015	U	-			0.012		J	-			-			-		
Henry Mine South Pit Pond	MSP055	0.67		J	0.22			0.43			-			-			-			-		
Ballard Mine Pit #4 Stock Pond	MSP059	0.024		J	0.012	0.015	U	-			-			-			-			-		
Blackfoot River, below Ballard Creek	MST019-avg	-			0.0067	0.015	U	0.0020			0.00038	0.0010	UJ	-0.00075	0.0010	U	0.00023	0.0010	U	0.00057	0.0010	U
	MST019-T1	-			0.0060	0.015	U	-			-			-			-			-		
	MST019-T2	-			0.0070	0.015	U	-			-			-			-			-		
	MST019-T3	-			0.0070	0.015	U	-			-			-			-			-		
Blackfoot River, below State Land Creek	MST020-avg	-			0.0060	0.015	U	-			0.00014	0.0010	UJ	-			-			-		
	MST020-T1	-			0.0060	0.015	U	-			0.00044	0.0010	UJ	-			-			-		
	MST020-T2	-			0.0060	0.015	U	-			0.000030	0.0010	UJ	-			-			-		
	MST020-T3	-			0.0060	0.015	U	-			-0.000040	0.0010	UJ	-			-			-		
Blackfoot River, below Trail Creek	MST021	-			0.0060	0.015	U	-			-0.00066	0.0010	UJ	-			-			-		
Blackfoot River, below Wooley Valley Creek	MST022-avg	-			0.0067	0.015	U	-			-0.00011	0.0010	UJ	-			-			-		
	MST022-T1	-			0.0060	0.015	U	-			0.00025	0.0010	UJ	-			-			-		
	MST022-T2	-			0.0070	0.015	U	-			-0.000090	0.0010	UJ	-			-			-		
	MST022-T3	-			0.0070	0.015	U	-			-0.00048	0.0010	UJ	-			-			-		
Blackfoot River, below Dry Valley Creek	MST023-avg	-			0.0060	0.015	U	0.0020			-0.00079	0.0010	UJ	-0.00041	0.0010	U	0.000020	0.0010	U	0.00073	0.0010	U
	MST023-T1	-			0.0060	0.015	U	-			-0.00016	0.0010	UJ	-			-			-		
	MST023-T2	-			0.0060	0.015	U	-			-0.00092	0.0010	UJ	-			-			-		
	MST023-T3	-			0.0060	0.015	U	-			-0.0011	0.0010	UJ	-			-			-		
Blackfoot River, above Dry Valley Creek	MST024	-			0.0060	0.015	U	-			-			-			-			-		
Blackfoot River, below Wooley Range Ridge Cr.	MST025	-			0.0060	0.015	U	-			-			-			-			-		
Blackfoot River, above Wooley Range Ridge Creek	MST026-avg	-			0.0063	0.015	U	-			-			-			-			-		
	MST026-R1	-			0.0070	0.015	U	-			-			-			-			-		
	MST026-R2	-			0.0060	0.015	U	-			-			-			-			-		
	MST026-R3	-			0.0060	0.015	U	-			-			-			-			-		
Blackfoot River, below Angus Creek	MST027-avg	-			0.0073	0.015	U	-			-0.000027	0.0010	UJ	-			-			-		
	MST027-T1	-			0.0080	0.015	U	-			-0.00049	0.0010	UJ	-			-			-		
	MST027-T2	-			0.0070	0.015	U	-			0.000080	0.0010	UJ	-			-			-		
	MST027-T3	-			0.0070	0.015	U	-			0.00033	0.0010	UJ	-			-			-		
Blackfoot River, above Diamond Creek Rd	MST028-avg	-			0.0070	0.015	U	-			0.00014	0.0010	UJ	-			-			-		
	MST028-T1	-			0.0070	0.015	U	-			-0.00037	0.0010	UJ	-			-			-		
	MST028-T2	-			0.0070	0.015	U	-			0.00064	0.0010	UJ	-			-			-		
	MST028-T3	-			0.0070	0.015	U	-			-			-			-			-		
Blackfoot River, above Spring Creek	MST029-avg	-			0.000067	0.0010	U	-			-			-			-			-		
	MST029-R1	-			-0.00010	0.0010	U	-			-			-			-			-		
	MST029-R2	-			0.00010	0.0010	U	-			-			-			-			-		
	MST029-R3	-			0.00020	0.0010	U	-			-			-			-			-		
Little Blackfoot River, below Long Valley Creek	MST043	-			0.00010	0.0010	U	-			-			-			-			-		
Little Blackfoot River, immediately below Henry Mine	MST044-avg	-			0.00037	0.0057	U	-			-			-			-			-		
	MST044-T1	-			0.0010	0.015	U	-			-			-			-			-		
	MST044-T2	-			0.00010	0.0010	U	-			-			-			-			-		
	MST044-T3	-			0	0.0010	U	-			-			-			-			-		
Little Blackfoot River, above Henry Creek	MST045-avg	-			0.00070	0.0057	U	-			-			-			-			-		
	MST045-T1	-			0.00010	0.0010	U	-			-			-			-			-		
	MST045-T2	-			0.0020	0.015	U	-			-			-			-			-		
	MST045-T3	-			0	0.0010	U	-			-			-			-			-		
Little Blackfoot River, below Lone Pine Creek	MST046-avg	-			-0.00017	0.0010	U	-			-			-			-			-		
	MST046-T1	-			-0.00020	0.0010	U	-			-			-			-			-		
	MST046-T2	-			-0.00020	0.0010	U	-			-			-			-			-		
	MST046-T3	-			-0.00010	0.0010	U	-			-			-			-			-		
Little Blackfoot River, above Lone Pine Creek	MST047-avg	-			0.000033	0.0010	U	-			-			-			-			-		
	MST047-T1	-			0	0.0010	U	-			-			-			-			-		
	MST047-T2	-			0.00010	0.0010	U	-			-			-			-			-		
	MST047-T3	-			0	0.0010	U	-			-			-			-			-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Selenium

Station		2001			2002												2003					
Name	ID	May	RL	Flag	May	RL	Flag	July	RL	Flag	Sept.	RL	Flag	Nov.	RL	Flag	Jan	RL	Flag	March	RL	Flag
Little Blackfoot River, below Reese Creek	MST048-avg	-			-0.00013	0.0010	U	-			-			-			-			-		
	MST048-T1	-			0.00010	0.0010	U	-			-			-			-			-		
	MST048-T2	-			-0.00020	0.0010	U	-			-			-			-			-		
	MST048-T3	-			-0.00030	0.0010	U	-			-			-			-			-		
Little Blackfoot River, above Reese Creek	MST049-avg	-			-0.00017	0.0010	U	-			0.00037	0.0010	UJ	-			-			-		
	MST049-R1	-			-0.00020	0.0010	U	-			-			-			-			-		
	MST049-R2	-			-0.00020	0.0010	U	-			-			-			-			-		
	MST049-R3	-			-0.00010	0.0010	U	-			-			-			-			-		
Long Valley Creek, below Ballard Mine (ponded area)	MST050-avg	-			0.0020	0.015	U	0.0010			-			-			-			-		
	MST050-T1	-			0.0020	0.015	U	-			-			-			-			-		
	MST050-T2	-			0.0020	0.015	U	-			-			-			-			-		
	MST050-T3	-			0.0020	0.015	U	-			-			-			-			-		
East Fork Long Valley Creek, below Henry Mine	MST051	-			-			-			-			-			-			-		
Henry Creek, above Little Blackfoot River	MST052	-			-			-			-			-			-			-		
Lone Pine Creek, above Little Blackfoot River	MST053-avg	-			-0.00020	0.0010	U	-			-			-			-			-		
	MST053-T1	-			-0.00020	0.0010	U	-			-			-			-			-		
	MST053-T2	-			-0.00020	0.0010	U	-			-			-			-			-		
	MST053-T3	-			-0.00020	0.0010	U	-			-			-			-			-		
Lone Pine Creek, above Spring-Fed Creek	MST054	-			0.00020	0.0010	U	-			-			-			-			-		
Lone Pine Creek, below Strip Mine Creek	MST055-avg	-			0.00030	0.0010	U	-			-			-			-			-		
	MST055-T1	-			0.00030	0.0010	U	-			-			-			-			-		
	MST055-T2	-			0.00030	0.0010	U	-			-			-			-			-		
	MST055-T3	-			0.00030	0.0010	U	-			-			-			-			-		
Lone Pine Creek, above Strip Mine Creek	MST056	-			-			-			-			-			-			-		
West Fork Lone Pine Creek, above Lone Pine Creek	MST057-avg	-			0.0070	0.015	U	0.0020			-0.00034	0.0010	UJ	0.00024	0.0010	U	0.0010			0.0010	0.0010	U
	MST057-T1	-			0.0070	0.015	U	-			-0.00042	0.0010	UJ	-			-			-		
	MST057-T2	-			0.0070	0.015	U	-			-0.00032	0.0010	UJ	-			-			-		
	MST057-T3	-			0.0070	0.015	U	-			-0.00028	0.0010	UJ	-			-			-		
Lone Pine Creek, above West Fork Lone Pine Creek	MST058	-			-			-			-0.00079	0.0010	UJ	-			-			-		
Strip Mine Creek, above Lone Pine Creek	MST062-avg	-			0.00047	0.0010	U	-			-			-			-			-		
	MST062-T1	-			0.00060	0.0010	U	-			-			-			-			-		
	MST062-T2	-			0.00030	0.0010	U	-			-			-			-			-		
	MST062-T3	-			0.00050	0.0010	U	-			-			-			-			-		
Strip Mine Creek, below Henry Mine	MST063	-			0.00010	0.0010	U	-			-			-			-			-		
West Fork Lone Pine Creek, above tributary	MST064	-			0.0040	0.015	U	0.0040			0.00040	0.0010	UJ	0.000090	0.0010	U	0.00029	0.0010	U	0.0020		
Ballard Creek, above Blackfoot River	MST066-avg	-			0.028			-			-			-			-			-		
	MST066-T1	-			0.027			-			-			-			-			-		
	MST066-T2	-			0.029			-			-			-			-			-		
	MST066-T3	-			0.028			-			-			-			-			-		
Ballard Creek headwaters	MST067	-			0.13			-			-			-			-			-		
Short Creek, below Ballard Mine	MST069	-			0.58			0.49			0.27		J	0.55			-			-		
Wooley Valley Creek, below North Fork Wooley Valley Creek	MST089	-			0.0020	0.015	U	-			-			-			-			-		
Wooley Valley Cr., above N. Fk. Wooley Valley Cr.	MST090	-			0.00010	0.0010	U	-			-			-			-			-		
North Fork Wooley Valley Creek, above Wooley Valley Creek	MST092-avg	-			0.0096	0.015	U	-			-			-			-			-		
	MST092-T1	-			0.0070	0.015	U	-			-			-			-			-		
	MST092-T2	-			0.0070	0.015	U	-			-			-			-			-		
	MST092-T3	-			0.015			-			-			-			-			-		
North Fork Wooley Valley Creek, above Ballard Mine	MST093-avg	-			0.00071	0.0057	U	-			-			-			-			-		
	MST093-T1	-			0.00080	0.0010	U	-			-			-			-			-		
	MST093-T2	-			0.00030	0.0010	U	-			-			-			-			-		
	MST093-T3	-			0.0010	0.015	U	-			-			-			-			-		
Spring-fed tributary #1 of North Fork Wooley Valley Creek,	MST094	-			0.021			-			-			-			-			-		
Spring-fed tributary #2 of North Fork Wooley Valley Creek,	MST095	-			0.16			-			-			-			-			-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Selenium

Station		2001			2002												2003					
Name	ID	May	RL	Flag	May	RL	Flag	July	RL	Flag	Sept.	RL	Flag	Nov.	RL	Flag	Jan	RL	Flag	March	RL	Flag
Tributary of North Fork Wooley Valley Creek, below Ballard	MST096	-			0.025			-			-			-			-			-		
Caldwell Creek, below Phosphoria Formation Outcrop	MST101	-			-0.00020	0.0010	U	-			-0.00077	0.0010	UJ	-			-			-		
Angus Creek, above Blackfoot River	MST126-avg	-			0.0020	0.015	U	-			-0.0014	0.0010	UJ	-			-			-		
	MST126-R1	-			-			-			-0.0018	0.0010	UJ	-			-			-		
	MST126-R2	-			-			-			-0.0015	0.0010	UJ	-			-			-		
	MST126-R3	-			-			-			-0.00092	0.0010	UJ	-			-			-		
Angus Creek, below No Name Creek	MST127-avg	-			0.0027	0.015	U	-			-0.0017	0.0010	UJ	-			-			-		
	MST127-T1	-			0.0040	0.015	U	-			-0.0016	0.0010	UJ	-			-			-		
	MST127-T2	-			0.0020	0.015	U	-			-0.0018	0.0010	UJ	-			-			-		
	MST127-T3	-			0.0020	0.015	U	-			-0.0018	0.0010	UJ	-			-			-		
Angus Creek, above Rasmussen Creek	MST128-avg	-			0.00031	0.0010	U	-			-0.0010	0.0010	UJ	-			-			-		
	MST128-T1	-			0.00040	0.0010	U	-			-0.0016	0.0010	UJ	-			-			-		
	MST128-T2	-			0.00010	0.0010	U	-			-0.00080	0.0010	UJ	-			-			-		
	MST128-T3	-			0.00040	0.0010	U	-			-0.00059	0.0010	UJ	-			-			-		
Angus Creek, below Wooley Valley Mine	MST129-avg	-			0.00053	0.0010	U	-			-			-			-			-		
	MST129-T1	-			0.00080	0.0010	U	-			-			-			-			-		
	MST129-T2	-			0.00040	0.0010	U	-			-			-			-			-		
	MST129-T3	-			0.00040	0.0010	U	-			-			-			-			-		
Angus Creek, below Upper Angus Creek Reservoir	MST130-avg	-			0.0047	0.015	U	-			-			-			-			-		
	MST130-R1	-			0.0050	0.015	U	-			-			-			-			-		
	MST130-R2	-			0.0040	0.015	U	-			-			-			-			-		
	MST130-R3	-			0.0050	0.015	U	-			-			-			-			-		
Rasmussen Creek, above Angus Creek	MST131-avg	-			0.0010	0.015	U	-0.0036		R	-0.00087	0.0010	UJ	-			0.00052	0.0010	U	0.0010		
	MST131-T1	-			0.0010	0.015	U	-			-0.00081	0.0010	UJ	-			-			-		
	MST131-T2	-			0.0010	0.015	U	-			-0.00093	0.0010	UJ	-			-			-		
	MST131-T2	-			0.0010	0.015	U	-			-0.00088	0.0010	UJ	-			-			-		
Angus Creek, below Rasmussen Creek	MST132-avg	-			0.00030	0.0010	U	-			-0.00048	0.0010	UJ	-			-			-		
	MST132-T1	-			0.00050	0.0010	U	-			-0.00061	0.0010	UJ	-			-			-		
	MST132-T2	-			0	0.0010	U	-			-0.00050	0.0010	UJ	-			-			-		
	MST132-T3	-			0.00040	0.0010	U	-			-0.00034	0.0010	UJ	-			-			-		
Rasmussen Creek, below Enoch Valley Mine	MST133-avg	-			0.0010	0.015	U	-			-			-			-			-		
	MST133-T1	-			0.0010	0.015	U	-			-			-			-			-		
	MST133-T2	-			0.0010	0.015	U	-			-			-			-			-		
	MST133-T3	-			0.0010	0.015	U	-			-			-			-			-		
Rasmussen Creek, below West Pond Creek	MST134	-			0.0020	0.015	U	-			-			-			-			-		
Rassmussen Creek, above West Pond Creek	MST135	-			0.00010	0.0010	U	-			-			-			-			-		
Rassmussen Creek headwaters, near Enoch Valley Mine Shop	MST136	-			0.014	0.015	U	-			-			-			-			-		
East Fork Rasmussen Creek, above Rasmussen Creek	MST143-avg	-			0.00013	0.0010	U	-			-			-			-			-		
	MST143-T1	-			0.00030	0.0010	U	-			-			-			-			-		
	MST143-T2	-			0	0.0010	U	-			-			-			-			-		
	MST143-T3	-			0.00010	0.0010	U	-			-			-			-			-		
East Fork Lone Pine Creek, below Wooley Valley Mine	MST226	-			0.00010	0.0010	U	-			-			-			-			-		
Blackfoot River, below Spring Creek	MST229	-			0.0080	0.015	U	-			-			-			-			-		
Blackfoot River, above State Land Creek	MST230	-			-0.00010	0.0010	U	-			-			-			-			-		
Blackfoot River, Woodall Mountain Creek	MST231	-			0.0050	0.015	U	-			-0.00087	0.0010	UJ	-			-			-		
Blackfoot River, above Blackfoot Reservoir	MST232-avg	-			0.0060	0.015	U	-			-0.00093	0.0010	UJ	-			-			-		
	MST232-R1	-			-			-			-0.00068	0.0010	UJ	-			-			-		
	MST232-R2	-			-			-			-0.00076	0.0010	UJ	-			-			-		
	MST232-R3	-			-			-			-0.0014	0.0010	UJ	-			-			-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Selenium

Station		2001			2002												2003					
Name	**ID**	**May**	**RL**	**Flag**	**May**	**RL**	**Flag**	**July**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**Nov.**	**RL**	**Flag**	**Jan**	**RL**	**Flag**	**March**	**RL**	**Flag**
Little Blackfoot River, above Blackfoot Reservoir	MST234-avg	-			0.00064	0.0010	U	0.00097	0.00067<x<0.0010	U	0.000047	0.0010	UJ	-0.00040	0.0010	U	-0.00011	0.0010	U	0.00062	0.0010	U
	MST234-R1	-			-			0.00090	0.0010	U	-			-			-			-		
	MST234-R2	-			-			0.0010			-			-			-			-		
	MST234-R3	-			-			0.0010			-			-			-			-		
	MST234-T1	-			0.00030	0.0010	U	-			0.000070	0.0010	UJ	-			-			-		
	MST234-T2	-			0.00090	0.0010	U	-			0.000050	0.0010	UJ	-			-			-		
	MST234-T3	-			0.00070	0.0010	U	-			0.000020	0.0010	UJ	-			-			-		
Meadow Creek, above Blackfoot Reservoir	MST235	-			0	0.0010	U	-			-0.0012	0.0010	UJ	-			-			-		
Stewart Creek, above Diamond Creek	MST236	-			-			-			-0.0018	0.0010	UJ	-			-			-		
Timber Creek, above Diamond Creek	MST237-avg	-			-0.00013	0.0010	U	-			-0.0015	0.0010	UJ	-			-			-		
	MST237-R1	-			0	0.0010	U	-			-0.0012	0.0010	UJ	-			-			-		
	MST237-R2	-			-0.00020	0.0010	U	-			-0.0016	0.0010	UJ	-			-			-		
	MST237-R3	-			-0.00020	0.0010	U	-			-0.0018	0.0010	UJ	-			-			-		
Little Blackfoot River, upstream of Henry cutoff road	MST254	-			0.00030	0.0010	U	-			-			-			-			-		
East Fork Rasmussen Creek headwaters	MST269	-			-			-			0.011		J	-			-			-		
Long Valley Creek, downstream of station MST050	MST270	-			-			-			-			-			-			-		
Long Valley Creek, below East Fork Long Valley Creek	MST271	-			-			-			-			-			-			-		
Wooley Valley Creek, above Loadout Creek at road	MST272	-			0.0020	0.015	U	-			-			-			-			-		
Wooley Valley Creek, above ponding and below MST089	MST273-avg	-			0.00097	0.012	U	-			-			-			-			-		
	MST273-T1	-			0.00090	0.0010	U	-			-			-			-			-		
	MST273-T2	-			0.0010	0.015	U	-			-			-			-			-		
	MST273-T3	-			0.0010	0.015	U	-			-			-			-			-		
West Fork Rassmussen Creek, above Rassmussen Creek	MST274	-			0.0040	0.015	U	0.0030			-0.00039	0.0010	UJ	-			-			-		
North Fork Lone Pine Creek, Northeast and above East Fork	MST275	-			-			-			0.00010	0.0010	UJ	-			-			-		
Tributary to West Fork Lone Pine Creek, above West Fork Lone Pine Creek	MST276-avg	-			0.010	0.015	U	0.0030			0.0020		J	0.0013			0.0023			0.0020		
	MST276-T1	-			0.010	0.015	U	-			-			-			-			-		
	MST276-T2	-			0.011	0.015	U	-			-			-			-			-		
	MST276-T3	-			0.010	0.015	U	-			-			-			-			-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Selenium

Station		2003											
Name	**ID**	**April**	**RL**	**Flag**	**May**	**RL**	**Flag**	**June**	**RL**	**Flag**	**July**	**RL**	**Flag**
Ballard Mine Dredge Pond	MSP010	0.63			0.44			0.099			0.10		
Enoch Valley Mine Keyhole Pond	MSP018	0.30			0.26			0.19			0.090		
Henry Mine South Pit Pond	MSP055	0.54			0.64			0.55			0.28		
Blackfoot River, below Ballard Creek	MST019	0.0020			0.0030			0.00033	0.0010	U	0.00023	0.0010	U
Blackfoot River, below Dry Valley Creek	MST023	0.0030			0.0040			0.00097	0.0010	U	0.00049	0.0010	U
Long Valley Creek, below Ballard Mine (ponded area)	MST050	-0.00028	0.0010	U	-0.00049	0.0010	U	0.00021	0.0010	U	0.00069	0.0010	U
West Fork Lone Pine Creek, above Lone Pine Creek	MST057	0.0060			0.0020			0.0020			0.0020		
Lone Pine Creek, above West Fork Lone Pine Creek	MST058	-			-0.00059	0.0010	U	-			-		
West Fork Lone Pine Creek, above tributary	MST064	0.0020			0.0057			0.0030			0.0020		
Ballard Creek headwaters	MST067	0.15			0.052			-			-		
Short Creek, below Ballard Mine	MST069	0.58			0.47			0.51			0.51		
Wooley Valley Creek, below North Fork Wooley Valley Creek	MST089	0.010			0.000040	0.0010	U	-			-		
Spring-fed tributary #1 of North Fork Wooley Valley Creek,	MST094	0.0020			-			-			-		
Spring-fed tributary #2 of North Fork Wooley Valley Creek,	MST095	0.22			0.080			-			-		
Rasmussen Creek, above Angus Creek	MST131-avg	0.0020			0.00013	0.0010	U	0.00081	0.0010	U	0.00020	0.0010	U
	MST131-T1	-			-			0.00068	0.0010	U	-		
	MST131-T2	-			-			0.00085	0.0010	U	-		
	MST131-T2	-			-			0.00091	0.0010	U	-		
Rassmussen Creek headwaters, near Enoch Valley Mine Shop Pond	MST136-avg	0.037			0.0070			-			-		
	MST136-R1	0.035			-			-			-		
	MST136-R2	0.036			-			-			-		
	MST136-R3	0.039			-			-			-		
Little Blackfoot River, above Blackfoot Reservoir	MST234-avg	0.00022	0.0010	U	-0.00019	0.0010	U	0.00064	0.0010	U	0.00053	0.0010	U
	MST234-R1	-			-			0.00080	0.0010	U	0.00028	0.0010	U
	MST234-R2	-			-			0.0010	0.0010	U	0.00073	0.0010	U
	MST234-R3	-			-			0.00013	0.0010	U	0.00057	0.0010	U
Tributary to West Fork Lone Pine Creek, above West Fork Lone Pine Creek	MST276-avg	0.0090			0.0030			0.0030			0.0023		
	MST276-R1	-			-			-			0.0020		
	MST276-R2	-			-			-			0.0030		
	MST276-R3	-			-			-			0.0020		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Cadmium

		Unfiltered						1999								
Station		**1998**						**Unfiltered**			**Unfiltered**			**Unfiltered**		
Henry Mine South Pit Overburden Dump Limestone Drain	MDS022	0.0027			0	0.0020	U	-			-			-		
Enoch Valley Shop/Office Well	MPW019	-0.00030	0.0020	U	-0.0012	0.0020	U	-			-			-		
Ballard Mine Upper Elk Pond	MSP011	0.0037			-			-			-			-		
Blackfoot River, below Ballard Creek	MST019	0.0031			-0.0011	0.0020	U	-0.013	0.0019	U	-			-		
Blackfoot River, below State Land Creek	MST020	0.0020			-0.0017	0.0020	U	-0.013	0.0019	U	-			-		
Blackfoot River, below Dry Valley Creek	MST022-avg	-0.00090	0.0020	U	0.0024			-0.012	0.0019	U	-			-		
	MST022-R0	-0.0011	0.0020	U	-			-			-			-		
	MST022-R1	-0.00050	0.0020	U	0.0024			-			-			-		
	MST022-R2	-0.00080	0.0020	U	0.0026			-			-			-		
	MST022-R3	-0.00090	0.0020	U	0.0021			-			-			-		
	MST022-R4	-0.0010	0.0020	U	-			-			-			-		
Blackfoot River, above Dry Valley Creek	MST023-avg	0.0029			-0.0010	0.0020	U	-0.014	0.0019	U	-			-		
	MST023-R1	-			-0.0015	0.0020	U	-			-			-		
	MST023-R2	-			-0.00060	0.0020	U	-			-			-		
	MST023-R3	-			-0.0010	0.0020	U	-			-			-		
Blackfoot River, above Dry Valley Creek	MST024	0.0033			0.0033			-0.011	0.0019	U	-			-		
Blackfoot River, above Wooley Range Ridge Creek	MST026-avg	-0.0027	0.0020	U	0.0020			-0.014	0.0019	U	-			-		
	MST026-R1	-			-			-0.014	0.0019	U	-			-		
	MST026-R2	-			-			-0.013	0.0019	U	-			-		
	MST026-R3	-			-			-0.014	0.0019	U	-			-		
Blackfoot River, above Spring Creek	MST029-avg	-0.0011	0.0020	U	0.00060	0.0020	U	-0.011	0.0019	U	-			-		
	MST029	-			0.00010	0.0020	U	-			-			-		
	MST029-D	-			0.0010	0.0020	U	-			-			-		
Little Blackfoot River, below Long Valley Creek	MST043	0.0041			-			-			-			-		
Little Blackfoot River, immediately below Henry Mine,	MST044-avg	0.0033	0.0030<x<0.0034	U	0.00013	0.0020	U	-			-			-		
	MST044-R0	0.0026			-			-			-			-		
	MST044-R1	0.0013	0.0020	U	-0.00040	0.0020	U	-			-			-		
	MST044-R1-D	-			0.0013	0.0020	U	-			-			-		
	MST044-R2	0.0034			-0.0014	0.0020	U	-			-			-		
	MST044-R3	0.0042			-0.0033	0.0020	U	-			-			-		
	MST044-R3-D	-			-0.0020	0.0020	U	-			-			-		
	MST044-R4	0.0049			-			-			-			-		
Little Blackfoot River, below Lone Pine Creek	MST046-avg	0.0048			0.0016	0.0020	U	-			-			-		
	MST046	0.0039			-			-			-			-		
	MST046-D	0.0057			-			-			-			-		
Little Blackfoot River, above Lone Pine Creek	MST047	0.0026			0.0010	0.0020	U	-			-			-		
Little Blackfoot River, below Reese Creek	MST048-avg	-0.0011	0.0020	U	0.00013	0.0020	U	-			-			-		
	MST048-R0	-0.0017	0.0020	U	-			-			-			-		
	MST048-R1	-0.0017	0.0020	U	0.00070	0.0020	U	-			-			-		
	MST048-R1-D	-0.0017	0.0020	U	-			-			-			-		
	MST048-R2	-0.00030	0.0020	U	-0.00090	0.0020	U	-			-			-		
	MST048-R3	-0.0024	0.0020	U	0.00060	0.0020	U	-			-			-		
	MST048-R3-D	-0.00020	0.0020	U	-			-			-			-		
	MST048-R4	-0.00070	0.0020	U	-			-			-			-		
Little Blackfoot River, above Reese Creek	MST049-avg	-0.00036	0.0020	U	-0.00060	0.0020	U	-			-			-		
	MST04-R0	0	0.0020	U	-			-			-			-		
	MST049-R1	0.00080	0.0020	U	-0.0014	0.0020	U	-			-			-		
	MST049-R2	-0.0022	0.0020	U	-0.00060	0.0020	U	-			-			-		
	MST049-R3	0.00080	0.0020	U	0.00019	0.0020	U	-			-			-		
	MST049-R4	-0.0012	0.0020	U	-			-			-			-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Cadmium

		1998						1999								
Station		**Unfiltered**			**Filtered**			**Filtered**			**Unfiltered**			**Filtered**		
Name	**ID**	**Aug.**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**Oct.**	**RL**	**Flag**	**Nov.**	**RL**	**Flag**	**Dec.**	**RL**	**Flag**
Caldwell Creek, below Phosphoria Formation Outcrop	MST101-avg	-0.0032	0.0020	U	0.00080	0.0020	U	-			-			-		
	MST101-R0	-0.0033	0.0020	U	-			-			-			-		
	MST101-R1	-0.0037	0.0020	U	0.00060	0.0020	U	-			-			-		
	MST101-R1-D	-			-0.00030	0.0020	U	-			-			-		
	MST101-R2	-0.0035	0.0020	U	0.00040	0.0020	U	-			-			-		
	MST101-R3	-0.0031	0.0020	U	0.00050	0.0020	U	-			-			-		
	MST101-R4	-0.0024	0.0020	U	-			-			-			-		
Angus Creek, below Wooley Valley Mine	MST129-avg	-0.00060	0.0020	U	0.0013	0.0020	U	-			-			-		
	MST129	-			0.00060	0.0020	U	-			-			-		
	MST129-D	-			0.0020			-			-			-		
Rassmussen Creek, above Angus Creek	MST131	0.0025			-0.00020	0.0020	U	-			-			-		
Angus Creek, below Rasmussen Creek	MST132	0.0020			-0.00010	0.0020	U	-			-			-		
Blackfoot River, below Spring Creek	MST229	-			-			-0.013	0.0019	U	-			-		
Blackfoot River, above Blackfoot Reservoir	MST232-avg	-			-			-0.013	0.0019	U	-0.0020	0.0019	U	-0.00075	0.0019	U
	MST232	-			-			-0.013	0.0019	U	-			-		
	MST232-D	-			-			-0.013	0.0019	U	-			-		
	MST232-R1	-			-			-			-0.0023	0.0019	U	-0.0013	0.0019	U
	MST232-R2	-			-			-			-0.0019	0.0019	U	-0.00020	0.0019	U
	MST232-R3	-			-			-			-0.0015	0.0019	U	-		
	MST232-R3-D	-			-			-			-0.0021	0.0019	U	-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Cadmium

		1999														
Station		**Unfiltered**			**Filtered**			**Filtered**			**Unfiltered**			**Filtered**		
Name	**ID**	**Aug.**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**Oct.**	**RL**	**Flag**	**Nov.**	**RL**	**Flag**	**Dec.**	**RL**	**Flag**
Upper Blackfoot Reservoir	MRV001	-			-0.00029	0.00050	U	-			-			-		
Upper Blackfoot Reservoir	MRV002-avg	-			-0.00056	0.00050	U	-			-			-		
	MRV002-R1	-			-0.00056	0.00050	U	-			-			-		
	MRV002-R2	-			-0.00061	0.00050	U	-			-			-		
	MRV002-R3	-			-0.00050	0.00050	U	-			-			-		
Upper Blackfoot Reservoir	MRV003	-			-0.00022	0.00050	U	-			-			-		
Upper Blackfoot Reservoir	MRV004	-			-0.00019	0.00050	U	-			-			-		
Upper Blackfoot Reservoir	MRV005	-			-0.000055	0.00050	U	-			-			-		
Lower Blackfoot Reservoir	MRV006	-			-0.00054	0.00050	U	-			-			-		
Lower Blackfoot Reservoir	MRV007-avg	-			-0.00047	0.00050	U	-			-			-		
	MRV007-R1	-			-0.00051	0.00050	U	-			-			-		
	MRV007-R2	-			-0.00038	0.00050	U	-			-			-		
	MRV007-R3	-			-0.00052	0.00050	U	-			-			-		
	MRV007-R3-D	-			-			-			-			-		
Lower Blackfoot Reservoir	MRV008	-			-0.00031	0.00050	U	-			-			-		
Lower Blackfoot Reservoir	MRV009	-			-0.00045	0.00050	U	-			-			-		
Lower Blackfoot Reservoir	MRV010	-			-0.00053	0.00050	U	-			-			-		
Reservoir Delta at Blackfoot River	MRV011-avg	-			-0.00057	0.00050	U	-			-			-		
	MRV011-R1	-			-0.00057	0.00050	U	-			-			-		
	MRV011-R1-D	-			-0.00063	0.00050	U	-			-			-		
	MRV011-R1-D	-			-0.00043	0.00050	U	-			-			-		
	MRV011-R2	-			-0.00057	0.00050	U	-			-			-		
	MRV011-R3-D	-			-0.00063	0.00050	U	-			-			-		
	MRV011-R3-D	-			-0.00057	0.00050	U	-			-			-		
Blackfoot River, below Ballard Creek	MST019	-			-0.00030	0.00050	U	-			-			-		
Blackfoot River, below State Land Creek	MST020	-			-0.00037	0.00050	U	-			-			-		
Blackfoot River, below Trail Creek	MST021	-			0.00011	0.00050	U	-			-			-		
Blackfoot River, above Dry Valley Creek	MST023	-			-0.00021	0.00050	U	-			-			-		
Blackfoot River, above Dry Valley Creek	MST024	-			-0.00014	0.00050	U	-			-			-		
Blackfoot River, above Wooley Range Ridge Creek	MST026-avg	-			-0.000071	0.00050	U	-			-			-		
	MST026-R1	-			-0.00021	0.00050	U	-			-			-		
	MST026-R2	-			0.00022	0.00050	U	-			-			-		
	MST026-R3	-			-0.00022	0.00050	U	-			-			-		
Blackfoot River, below Angus Creek	MST027	-			-0.00033	0.00050	U	-			-			-		
Blackfoot River, above Diamond Creek Rd	MST028	-			-0.00028	0.00050	U	-			-			-		
Blackfoot River, above Spring Creek	MST029	-			-0.00017	0.00050	U	-			-			-		
Little Blackfoot River, below Long Valley Creek	MST043	-			-0.00050	0.00050	U	-			-			-		
Little Blackfoot River, above Reese Creek	MST049	-			-0.00031	0.00050	U	-			-			-		
Lone Pine Creek, above Spring-Fed Creek	MST054	-			-0.00048	0.00050	U	-			-			-		
Wooley Valley Creek, above Blackfoot River	MST088	-			-0.00046	0.00050	U	-			-			-		
North Fork Wooley Valley Creek, above Ballard Mine	MST093	-			-			-			-			-		
Spring-fed trib. #1 of North Fork Wooley Valley Creek, below Ballard Mine	MST094	-			-			-			-			-		
Spring-fed trib. #2 of North Fork Wooley Valley Creek, below Ballard Mine	MST095	-			-			-			-			-		
Caldwell Creek, below Phosphoria Formation Outcrop	MST101-avg	-			-0.00046	0.00050	U	-			-			-		
	MST101-R1	-			-0.00048	0.00050	U	-			-			-		
	MST101-R2	-			-0.00049	0.00050	U	-			-			-		
	MST101-R3	-			-0.00042	0.00050	U	-			-			-		
	MST101-R3-D	-			-0.00039	0.00050	U	-			-			-		
Angus Creek, below No Name Creek	MST127	-			-0.00042	0.00050	U	-			-			-		
Angus Creek, below Wooley Valley Mine	MST129	-			-0.00041	0.00050	U	-			-			-		
Angus Creek, below Upper Angus Creek Reservoir	MST130	-			-0.00050	0.00050	U	-			-			-		
Rasmussen Creek, below Enoch Valley Mine	MST133-avg	-			-0.00045	0.00050	U	-			-			-		
	MST133	-			-0.00042	0.00050	U	-			-			-		
	MST133-D	-			-0.00047	0.00050	U	-			-			-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Cadmium

		1999														
Station		**Unfiltered**			**Filtered**			**Filtered**			**Unfiltered**			**Filtered**		
Name	**ID**	**Aug.**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**Oct.**	**RL**	**Flag**	**Nov.**	**RL**	**Flag**	**Dec.**	**RL**	**Flag**
East Fork Rasmussen Creek, above Rasmussen Creek	MST143	-			-			-			-			-		
East Fork Lone Pine Creek, below Wooley Valley Mine	MST226	-			-			-			-			-		
Blackfoot River, below Spring Creek	MST229-avg	-			-0.000025	0.00050	U	-			-			-		
	MST229-R1	-			0.000053	0.00050	U	-			-			-		
	MST229-R2	-			-0.000021	0.00050	U	-			-			-		
	MST229-R3	-			-0.00011	0.00050	U	-			-			-		
Blackfoot River, above State Land Creek	MST230-avg	-			-0.00041	0.00050	U	-			-			-		
	MST230	-			-0.00043	0.00050	U	-			-			-		
	MST230-D	-			-0.00039	0.00050	U	-			-			-		
Blackfoot River, above Blackfoot Reservoir	MST232-avg	-0.0035	0.0020	U	0.000095	0.00050	U	-0.000054	0.00050	U	-0.000059	0.00050	U	-0.000059	0.00050	U
	MST232	-0.0029	0.0020	U	-			-			-			-		
	MST232-D	-0.0041	0.0020	U	-			-			-			-		
	MST232-R1	-			-			-0.000034	0.00050	U	-0.000063	0.00050	U	-0.000047	0.00050	U
	MST232-R2	-			-			-0.000065	0.00050	U	-0.000063	0.00050	U	-0.000064	0.00050	U
	MST232-R3	-			-			-0.000065	0.00050	U	-0.000052	0.00050	U	-0.000067	0.00050	U
Meadow Creek, above Blackfoot Reservoir	MST235	-			-0.00059	0.00050	U	-			-			-		
Stewart Creek, above Diamond Creek	MST236-avg	-			0.000023	0.00050	U	-			-			-		
	MST236-R1	-			-0.0000054	0.00050	U	-			-			-		
	MST236-R2	-			-0.000027	0.00050	U	-			-			-		
	MST236-R3	-			0.00010	0.00050	U	-			-			-		
Timber Creek, above Diamond Creek	MST237-avg	-			0.000088	0.00050	U	-			-			-		
	MST237-R1	-			0.00024	0.00050	U	-			-			-		
	MST237-R2	-			0.000014	0.00050	U	-			-			-		
	MST237-R3	-			0.0000091	0.00050	U	-			-			-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Cadmium

		Filtered																	
Station		**2000**			**2001**			**2002**											
Name	**ID**	**May**	**RL**	**Flag**	**May**	**RL**	**Flag**	**May**	**RL**	**Flag**	**July**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**Nov.**	**RL**	**Flag**
Henry Mine South Pit Overburden Dump Seep	MDS016	-			NS			Dry			-			-			-		
Henry Mine South Pit Overburden Dump Limestone Drain	MDS022-avg	-			0.000091	0.00070	U	0.000020	0.00010	U	-			0.000010	0.00010		-		
	MDS022-R1	-			NA			0.000020	0.00010	U	-			-			-		
	MDS022-R2	-			NA			0.000010	0.00010	U	-			-			-		
	MDS022-R3	-			NA			0.000030	0.00010	U	-			-			-		
Enoch Valley Mine West Dump Seep	MDS025	-			0.00080			0.0014			-			-			-		
Enoch Valley Mine South Dump Seep	MDS026-avg	-			0.0048			0.00050			-			0.00030	0.0011		-		
	MDS026	-			0.0049						-			-			-		
	MDS026-D	-			0.0047			-			-			-			-		
Upper Blackfoot Reservoir	MRV001	-0.0053	0.020	U	-			-			-			-			-		
Upper Blackfoot Reservoir	MRV003	-0.0047	0.020	U	-			-			-			-			-		
Lower Blackfoot Reservoir	MRV006	-0.0061	0.020	U	-			-			-			-			-		
Lower Blackfoot Reservoir	MRV007-avg	-0.0053	0.020	U	-			-			-			-			-		
	MRV007-R1	-0.0050	0.020	U	-			-			-			-			-		
	MRV007-R2	-0.0056	0.020	U	-			-			-			-			-		
	MRV007-R3	-0.0054	0.020	U	-			-			-			-			-		
	MRV007-R3-D	-0.0053	0.020	U	-			-			-			-			-		
Lower Blackfoot Reservoir	MRV008	0.0046	0.020	U	-			-			-			-			-		
Lower Blackfoot Reservoir	MRV009	-0.0035	0.020	U	-			-			-			-			-		
Lower Blackfoot Reservoir	MRV010	-0.0053	0.020	U	-			-			-			-			-		
Reservoir Delta at Blackfoot River	MRV011-avg	-			-			0.000010	0.00010	U	-			0.000050	0.00010	U	-		
Reservoir Delta at Little Blackfoot River	MRV016	-			-			0.000010	0.00010	U	-			-			-		
Reservoir Delta at Meadow Creek	MRV017-avg	-			-			0.000040	0.00010	U	-			0.000013	0.00010	U	-		
	MRV017-R1	-			-			-			-			0.000010	0.00010	U	-		
	MRV017-R2	-			-			-			-			0.000030	0.00010	U	-		
	MRV017-R3	-			-			-			-			0	0.00010	U	-		
Enoch Valley Mine, Hedin Spring	MSG001	-			-			0.000020	0.00010	U	-			0.000040	0.00010	U	-		
Ballard Mine, Garden Hose Spring	MSG003	-			-			0.000020	0.00010	U	-			0.000020	0.00010	U	-		
Ballard Mine, Holmgren Spring	MSG004	-			-			-			-			0	0.00010	U	-		
Ballard Mine, Cattle Spring	MSG005	-			-			-			-			-0.000040	0.00010	U	-		
Ballard Mine Dredge Pond	MSP010-avg	-			0.00037	0.00070	U	0.0011			0.00022	0.00050	U	0.00080	0.0011	U	-		
	MSP010-R1	-			-			0.0011			0.00041	0.00050	U	-			-		
	MSP010-R2	-			-			0.0011			0.000010	0.00050	U	-			-		
	MSP010-R3	-			-			0.0011			0.00024	0.00050	U	-			-		
Ballard Mine Upper Elk Pond	MSP011	-			0.0013			0.0012			-			-			-		
Ballard Mine Lower Elk Pond	MSP012	-			0.00097			0.0012			-			-			-		
Henry Mine Henry Pond	MSP014	-			0.000090	0.00070	U	0.00010			-			-0.000040	0.00010	U	-		
Henry Mine Smith Pond	MSP015	-			0.00021	0.00070	U	0.00020			-			0.00016			-		
Henry Mine Center Henry Pond	MSP016-avg	-			0.000060	0.00070	U	0.000090	0.00010	U	-			0.00017	0.0011	U	-		
	MSP016	-			0.000058	0.00070	U	0.000090	0.00010	U	-			-			-		
	MSP016-D	-			0.000062	0.00070	U	-			-			-			-		
	MSP016-R1	-			-			-			-			0.00020	0.0011	U	-		
	MSP016-R2	-			-			-			-			0.00010	0.0011	U	-		
	MSP016-R3	-			-			-			-			0.00020	0.0011	U	-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Cadmium

		Filtered																	
Station		**2000**			**2001**			**2002**											
Name	**ID**	**May**	**RL**	**Flag**	**May**	**RL**	**Flag**	**May**	**RL**	**Flag**	**July**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**Nov.**	**RL**	**Flag**
Enoch Valley Mine South Pond	MSP017	-			0.00039	0.00070	U	0.00070			-			0.000060	0.00010	U	-		
Enoch Valley Mine Keyhole Pond	MSP018	-			0.050			0.10			0.0067			0.0090			0.056		
Enoch Valley Mine Bat Cave Pond	MSP019	-			0.00014	0.00070	U	0.00010			-			0.000050	0.00010	U	-		
Enoch Valley Mine West Pond	MSP020	-			0.00013	0.00070	U	0.00040			-			0.00010	0.0011	U	-		
Enoch Valley Mine Stock Pond	MSP021-avg	-			0.0046			0.015			-			0.00040	0.0011	U	-		
	MSP021-R1	-			-			0.014			-			-			-		
	MSP021-R2	-			-			0.015			-			-			-		
	MSP021-R3	-			-			0.015			-			-			-		
Enoch Valley Mine Tipple Pond	MSP022	-			0.00017	0.00070	U	0.0010			-			0.0013			-		
Enoch Valley Mine Haul Road Pond	MSP023	-			0.00033	0.00070		0.00010			-			0.0030			-		
Enoch Valley Mine Shop Pond	MSP031	-			0.0016			0.0017			-			0.0080			-		
Henry Mine South Pit Pond	MSP055	-			0.039			0.0031			0.0070			-			-		
Ballard Mine Pit #4 Stock Pond	MSP059	-			0.00057	0.00070	U	0.00040			-			-			-		
Blackfoot River, below Ballard Creek	MST019-avg	0.000026	0.00025	U	-			0.000043	0.00010	U	-0.000030	0.00020	U	0	0.00010	U	-0.00040	0.00010	U
	MST019-T1	-			-			0.000060	0.00010	U	-			-			-		
	MST019-T2	-			-			0.000040	0.00010	U	-			-			-		
	MST019-T3	-			-			0.000030	0.00010	U	-			-			-		
Blackfoot River, below State Land Creek	MST020-avg	0.0000010	0.00025	U	-			0.000040	0.00010	U	-			0.0000067	0.00010	U	-		
	MST020-T1	-			-			0.000030	0.00010	U	-			0	0.00010	U	-		
	MST020-T2	-			-			0.000020	0.00010	U	-			0	0.00010	U	-		
	MST020-T3	-			-			0.000070	0.00010	U	-			0.000020	0.00010	U	-		
Blackfoot River, below Trail Creek	MST021	0.0000050	0.00025	U	-			0.000010	0.00010	U	-			0.00010	0.0011	U	-		
Blackfoot River, below Dry Valley Creek	MST022-avg	0.0000050	0.00025	U	-			-0.0000030	0.00010	U	-			0.000043	0.00010	U	-		
	MST022-T1	-			-			0.000010	0.00010	U	-			0.000060	0.00010	U	-		
	MST022-T2	-			-			-0.000010	0.00010	U	-			0.000040	0.00010	U	-		
	MST022-T3	-			-			-0.000010	0.00010	U	-			0.000030	0.00010	U	-		
Blackfoot River, above Dry Valley Creek	MST023-avg	0.037			-			0.000043	0.00010	U	0	0.00020	U	0.000017	0.00010	U	-0.000030	0.00010	U
	MST023-T1	-			-			0.000060	0.00010	U	-			0.000050	0.00010	U	-		
	MST023-T2	-			-			0.000030	0.00010	U	-			-0.000020	0.00010	U	-		
	MST023-T3	-			-			0.000040	0.00010	U	-			0.000020	0.00010	U	-		
Blackfoot River, above Dry Valley Creek	MST024	0.0000010	0.00025	U	-			0.000010	0.00010	U	-			-			-		
Blackfoot River, below Wooley Range Ridge Creek	MST025	-			-			0	0.00010	U	-			-			-		
Blackfoot River, above Wooley Range Ridge Creek	MST026-avg	0.0000033	0.00025	U	-			0.000013	0.00010	U	-			-			-		
	MST026-R1	0.000011	0.00025	U	-			0.000020	0.00010	U	-			-			-		
	MST026-R2	0.0000020	0.00025	U	-			0.000020	0.00010	U	-			-			-		
	MST026-R3	-0.0000030	0.00025	U	-			0	0.00010	U	-			-			-		
Blackfoot River, below Angus Creek	MST027-avg	0.000010	0.00025	U	-			0.000010	0.00010	U	-			0.000077	0.00039	U	-		
	MST027-T1	-			-			0.000020	0.00010	U	-			0.000060	0.00010	U	-		
	MST027-T2	-			-			0	0.00010	U	-			0.000070	0.00010	U	-		
	MST027-T3	-			-			0.000010	0.00010	U	-			0.00010	0.0011	U	-		
Blackfoot River, above Diamond Creek Rd	MST028-avg	0.0000020	0.00025	U	-			0.000023	0.00010	U	-			0.000070	0.00010	U	-		
	MST028-T1	-			-			0	0.00010	U	-			0.000050	0.00010	U	-		
	MST028-T2	-			-			0.000060	0.00010	U	-			0.000090	0.00010	U	-		
	MST028-T3	-			-			0.000010	0.00010	U	-			-			-		
Blackfoot River, above Spring Creek	MST029-avg	0.000031	0.00025	U	-			-0.000020	0.00010	U	-			-			-		
	MST029-R1	-			-			0.000030	0.00010	U	-			-			-		
	MST029-R2	-			-			-0.00010	0.00010	U	-			-			-		
	MST029-R3	-			-			0.000010	0.00010	U	-			-			-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Cadmium																			
		Filtered																	
Station		2000			2001			2002											
Name	ID	May	RL	Flag	May	RL	Flag	May	RL	Flag	July	RL	Flag	Sept.	RL	Flag	Nov.	RL	Flag
Little Blackfoot River, below Long Valley Creek	MST043-avg	-0.0000023	0.00025	U	-			0.000010	0.00010	U	-			-			-		
	MST043-R1	-0.0000010	0.00025	U	-			NA			-			-			-		
	MST043-R2	-0.0000030	0.00025	U	-			NA			-			-			-		
	MST043-R3	-0.0000030	0.00025	U	-			NA			-			-			-		
Little Blackfoot River, immediately below Henry Mine,	MST044-avg	-			-			0.00031	0.00029<x<0.00036	U	-			-			-		
	MST044-T1	-			-			0.00087			-			-			-		
	MST044-T2	-			-			0.000020	0.00010	U	-			-			-		
	MST044-T3	-			-			0.000030	0.00010	U	-			-			-		
Little Blackfoot River, above Henry Creek	MST045-avg	-			-			0.0000067	0.00010	U	-			-			-		
	MST045-T1	-			-			0.000010	0.00010	U	-			-			-		
	MST045-T2	-			-			0.000010	0.00010	U	-			-			-		
	MST045-T3	-			-			0			-			-			-		
Little Blackfoot River, below Lone Pine Creek	MST046-avg	-			-			0.000010	0.00010	U	-			-			-		
	MST046-T1	-			-			0.000010	0.00010	U	-			-			-		
	MST046-T2	-			-			0.000010	0.00010	U	-			-			-		
	MST046-T3	-			-			0.000010	0.00010	U	-			-			-		
Little Blackfoot River, above Lone Pine Creek	MST047-avg	-			-			0.000020	0.00010	U	-			-			-		
	MST047-T1	-			-			0.000030	0.00010	U	-			-			-		
	MST047-T2	-			-			0.000010	0.00010	U	-			-			-		
	MST047-T3	-			-			0.000020	0.00010	U	-			-			-		
Little Blackfoot River, below Reese Creek	MST048-avg	-			-			-0.0000067	0.00010	U	-			-			-		
	MST048-T1	-			-			-0.000010	0.00010	U	-			-			-		
	MST048-T2	-			-			-0.000010	0.00010	U	-			-			-		
	MST048-T3	-			-			0	0.00010	U	-			-			-		
Little Blackfoot River, above Reese Creek	MST049-avg	0.0000020	0.00025	U	-			0.000020	0.00010	U	-			0.000050	0.00010	U	-		
	MST049-R1	-			-			0.000020	0.00010	U	-			-			-		
	MST049-R2	-			-			0.000020	0.00010	U	-			-			-		
	MST049-R3	-			-			0.000020	0.00010	U	-			-			-		
Long Valley Creek, below Ballard Mine (ponded area)	MST050-avg	-			-			0.000067	0.00010	U	-			-			-		
	MST050-T1	-			-			0.000060	0.00010	U	-			-			-		
	MST050-T2	-			-			0.000080	0.00010	U	-			-			-		
	MST050-T3	-			-			0.000060	0.00010	U	-			-			-		
Lone Pine Creek, above Little Blackfoot River	MST053-avg	-			-			0.000013	0.00010	U	-			-			-		
	MST053-T1	-			-			0.000010	0.00010	U	-			-			-		
	MST053-T2	-			-			0.000010	0.00010	U	-			-			-		
	MST053-T3	-			-			0.000020	0.00010	U	-			-			-		
Lone Pine Creek, above Spring-Fed Creek	MST054	0.000076	0.00025	U	-			0.000010	0.00010	U	-			-			-		
Lone Pine Creek, below Strip Mine Creek	MST055-avg	-			-			0.000013	0.00010	U	-			-			-		
	MST055-T1	-			-			0.000020	0.00010	U	-			-			-		
	MST055-T2	-			-			0.000010	0.00010	U	-			-			-		
	MST055-T3	-			-			0.000010	0.00010	U	-			-			-		
West Fork Lone Pine Creek, above Lone Pine Creek	MST057-avg	-			-			0.0000067	0.00010	U	-			0.000013	0.00010	U	0	0.00010	U
	MST057-T1	-			-			0.000010	0.00010	U	-			0.000050	0.00010	U	-		
	MST057-T2	-			-			0.000010	0.00010	U	-			-0.000010	0.00010	U	-		
	MST057-T3	-			-			0	0.00010	U	-			0	0.00010	U	-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Cadmium

		Filtered																	
Station		**2000**			**2001**			**2002**											
Name	**ID**	**May**	**RL**	**Flag**	**May**	**RL**	**Flag**	**May**	**RL**	**Flag**	**July**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**Nov.**	**RL**	**Flag**
Lone Pine Creek, above West Fork Lone Pine Creek	MST058	-			-			-			-			0.00020	0.0011	U	-		
Strip Mine Creek, above Lone Pine Creek	MST062-avg	-			-			0.000010	0.00010	U	-			-			-		
	MST062-T1	-			-			0.000010	0.00010	U	-			-			-		
	MST062-T2	-			-			0.000010	0.00010	U	-			-			-		
	MST062-T3	-			-			0.000010	0.00010	U	-			-			-		
Strip Mine Creek, below Henry Mine	MST063	-			-			0.000050	0.00010	U	-			-			-		
West Fork Lone Pine Creek, above tributary	MST064	-			-			-0.000010	0.00010	U	0	0.00020	U	0.000070	0.00010	U	-0.000030	0.00010	U
Ballard Creek, above Blackfoot River	MST066-avg	-			-			0.00010			-			-			-		
	MST066-T1	-			-			0.00010			-			-			-		
	MST066-T2	-			-			0.00010			-			-			-		
	MST066-T3	-			-			0.00010			-			-			-		
Ballard Creek headwaters	MST067	-			-			0.0022			-			-			-		
Short Creek, below Ballard Mine	MST069-avg	-			-			0.00011	0.00020	U	0.000050	0.00020	U	0.000060	0.00010	U	0.000040	0.00010	U
	MST069-R1	-			-			0.00014	0.00020	U	-			-			-		
	MST069-R2	-			-			0.00010	0.00020	U	-			-			-		
	MST069-R3	-			-			0.00010	0.00020	U	-			-			-		
Wooley Valley Creek, above Blackfoot River	MST088	0.000043	0.00025	U	-			-			-			-			-		
Wooley Valley Creek, below North Fork Wooley Valley Creek	MST089	-			-			0.00010			-			-			-		
Wooley Valley Creek, above North Fork Wooley Valley Creek	MST090	-			-			0.00010	0.00020	U	-			-			-		
North Fork Wooley Valley Creek, above Wooley Valley Creek	MST092-avg	-			-			0.00048	0.00033<x<0.00050	U	-			-			-		
	MST092-T1	-			-			0.00044	0.00050	U	-			-			-		
	MST092-T2	-			-			0.00050			-			-			-		
	MST092-T3	-			-			0.00050			-			-			-		
North Fork Wooley Valley Creek, above Ballard Mine	MST093-avg	-			-			0.000060	0.00010	U	-			-			-		
	MST093-T1	-			-			0.000080	0.00010	U	-			-			-		
	MST093-T2	-			-			0.000060	0.00010	U	-			-			-		
	MST093-T3	-			-			0.000040	0.00010	U	-			-			-		
Spring-fed trib. #1 of North Fork Wooley Valley Creek, below Ballard Mine	MST094	-			-			0.000070	0.00010	U	-			-			-		
Spring-fed trib. #2 of North Fork Wooley Valley Creek, below Ballard Mine	MST095	0.000032	0.00025	U	-			0.00020			-			-			-		
Tributary of North Fork Wooley, below Ballard Mine	MST096	0.00015	0.00025	U	-			0.000050	0.00010	U	-			-			-		
Caldwell Creek, below Phosphoria Formation Outcrop	MST101-avg	-0.0000027	0.00025	U	-			0	0.00010	U	-			-0.000020	0.00010	U	-		
	MST101-R1	-0.0000010	0.00025	U	-			-			-			-			-		
	MST101-R2	-0.0000020	0.00025	U	-			-			-			-			-		
	MST101-R3	-0.0000050	0.00025	U	-			-			-			-			-		
Angus Creek, above Blackfoot River	MST126-avg	-			-			0.000060	0.00010	U	-			0.000060	0.00010	U	-		
	MST126-R1	-			-			-			-			0.000060	0.00010	U	-		
	MST126-R2	-			-			-			-			0.000040	0.00010	U	-		
	MST126-R3	-			-			-			-			0.000080	0.00010	U	-		
Angus Creek, below No Name Creek	MST127-avg	0.000033	0.00025	U	-			0.000024	0.00010	U	-			0.000022	0.00010	U	-		
	MST127-T1	-			-			0.000030	0.00010	U	-			0.000050	0.00010	U	-		
	MST127-T2	-			-			0.000030	0.00010	U	-			0.000010	0.00010	U	-		
	MST127-T3	-			-			0.000010	0.00010	U	-			0.000010	0.00010	U	-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Cadmium

		Filtered																	
Station		**2000**			**2001**			**2002**											
Name	**ID**	**May**	**RL**	**Flag**	**May**	**RL**	**Flag**	**May**	**RL**	**Flag**	**July**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**Nov.**	**RL**	**Flag**
Angus Creek, above Rasmussen Creek	MST128-avg	-			-			0.000013	0.00010	U	-			0.00015	0.00087	U	-		
	MST128-T1	-			-			0	0.00010	U	-			0.000050	0.00010	U	-		
	MST128-T2	-			-			0.000020	0.00010	U	-			0.00020	0.0011	U	-		
	MST128-T3	-			-			0.000020	0.00010	U	-			0.00020	0.0011	U	-		
Angus Creek, below Wooley Valley Mine	MST129-avg	-0.0000060	0.00025	U	-			0.0000067	0.00010	U	-			-			-		
	MST129	-0.0000060	0.00025	U	-			-			-			-			-		
	MST129-D	-0.0000050	0.00025	U	-			-			-			-			-		
	MST129-T1	-			-			0	0.00010	U	-			-			-		
	MST129-T2	-			-			0.000010	0.00010	U	-			-			-		
	MST129-T2	-			-			0.000010	0.00010	U	-			-			-		
Angus Creek, below Upper Angus Creek Reservoir	MST130-avg	0.000076	0.00025	U	-			0.000043	0.00010	U	-			-			-		
	MST130-R1	-			-			0.000070	0.00010	U	-			-			-		
	MST130-R2	-			-			0.000020	0.00010	U	-			-			-		
	MST130-R3	-			-			0.000040	0.00010	U	-			-			-		
Rassmussen Creek, above Angus Creek	MST131-avg	-			-			0	0.00010	U	0	0.00020	U	-0.0000033	0.00010	U	-		
	MST131-T1	-			-			0.000010	0.00010	U	-			-0.000010	0.00010	U	-		
	MST131-T2	-			-			-0.000010	0.00010	U	-			0	0.00010	U	-		
	MST131-T3	-			-			0	0.00010	U	-			0	0.00010	U	-		
Angus Creek, below Rasmussen Creek	MST132-avg	-			-			0.000045	0.00010	U	-			0.000070	0.00010	U	-		
	MST132-T1	-			-			0.00010			-			0.000060	0.00010	U	-		
	MST132-T2	-			-			0.000020	0.00010	U	-			0.000090	0.00010	U	-		
	MST132-T3	-			-			0.000020	0.00010	U	-			0.000060	0.00010	U	-		
Rasmussen Creek, below Enoch Valley Mine	MST133-avg	0.000020	0.00025	U	-			0.000050	0.00010	U	-			-			-		
	MST133-T1	-			-			0.000040	0.00010	U	-			-			-		
	MST133-T2	-			-			0.000060	0.00010	U	-			-			-		
	MST133-T3	-			-			0.000050	0.00010	U	-			-			-		
Rasmussen Creek, below West Pond Creek	MST134	-			-			0.000090	0.00010	U	-			-			-		
Rasmussen Creek, above West Pond Creek	MST135	-			-			0.00010	0.00050	U	-			-			-		
Rasmussen Creek headwaters, near Enoch Valley Mine Shop Pond	MST136	-			-			0.00030			-			-			-		
East Fork Rasmussen Creek, above Rasmussen Creek	MST143-avg	0.00019	0.00025	U	-			0.00033			-			-			-		
	MST143-T1	-			-			0.00030			-			-			-		
	MST143-T2	-			-			0.00030			-			-			-		
	MST143-T3	-			-			0.00040			-			-			-		
East Fork Lone Pine Creek, below Wooley Valley Mine	MST226	0.0000820	0.00025	U	-			0.000010	0.00010	U	-			-			-		
Blackfoot River, below Spring Creek	MST229-avg	0.0000080	0.00025	U	-			0.000010	0.00010	U	-			-			-		
	MST229-R1	0.0000040	0.00025	U	-			-			-			-			-		
	MST229-R2	0.000013	0.00025	U	-			-			-			-			-		
	MST229-R3	0.0000080	0.00025	U	-			-			-			-			-		
Blackfoot River, above State Land Creek	MST230	0.0000080	0.00025	U	-			-			-			-			-		
Blackfoot River, below Woodall Mountain Creek	MST231	-			-			0	0.00010	U	-			-0.000040	0.00010	U	-		
Blackfoot River, above Blackfoot Reservoir	MST232-avg	-0.0020	0.020	U	-			-0.000010	0.00010	U	-			-0.000027	0.00010	U	-		
	MST232-R1	-			-			-			-			-0.000030	0.00010	U	-		
	MST232-R2	-			-			-			-			-0.000010	0.00010	U	-		
	MST232-R3	-			-			-			-			-0.000040	0.00010	U	-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Cadmium

		Filtered																	
Station		**2000**			**2001**			**2002**											
Name	**ID**	**May**	**RL**	**Flag**	**May**	**RL**	**Flag**	**May**	**RL**	**Flag**	**July**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**Nov.**	**RL**	**Flag**
Little Blackfoot River, above Blackfoot Reservoir	MST234-avg	-			-			0.000027	0.00010	U	-0.000073	0.00020	U	0.000046	0.00010	U	0.000013	0.00010	U
	MST234-R1	-			-			-'			-0.00010	0.00020	U	-			-		
	MST234-R2	-			-			-			-0.000060	0.00020	U	-			-		
	MST234-R3	-			-			-			-0.000060	0.00020	U	-			-		
	MST234-T1	-			-			0.000030	0.00010	U	-			0.000080	0.00010	U	-		
	MST234-T2	-			-			0.000020	0.00010	U	-			0.000030	0.00010	U	-		
	MST234-T3	-			-			0.000030	0.00010	U	-			0.000030	0.00010	U	-		
Meadow Creek, above Blackfoot Reservoir	MST235	0.000021	0.00025	U	-			0.000010	0.00010	U	-			0.00010	0.0011	U	-		
Stewart Creek, above Diamond Creek	MST236-avg	-0.0000067	0.00025	U	-			-			-			-0.000020	0.00010	U	-		
	MST236-R1	-0.0000060	0.00025	U	-			-			-			-			-		
	MST236-R2	-0.0000070	0.00025	U	-			-			-			-			-		
	MST236-R3	-0.0000080	0.00025	U	-			-			-			-			-		
	MST236-R3-D	-0.0000060	0.00025	U	-			-			-			-			-		
Timber Creek, above Diamond Creek	MST237-avg	0.0000017	0.00025		-			0.000050	0.00010	U	-			0.00011	0.00023	U	-		
	MST237-R1	0.0000030	0.00025	U	-			0.000040	0.00010	U	-			0.00000	0.00010	U	-		
	MST237-R2	0.0000010	0.00025	U	-			0.000040	0.00010	U	-			0.00033	0.00050	U	-		
	MST237-R3	0.0000010	0.00025	U	-			0.000070	0.00010	U	-			-0.00001	0.00010	U	-		
Little Blackfoot River, upstream of Henry cutoff road	MST254	-			-			0.000010	0.00010	U	-			-			-		
East Fork Rasmussen Creek headwaters	MST269	-			-			-			-			0.0014			-		
Wooley Valley Creek, above Loadout Creek at road	MST272	-			-			0.000080	0.00010	U	-			-			-		
Wooley Valley Creek, above ponding and below MST089	MST273-avg	-			-			0.000053	0.00023	U	-			-			-		
	MST273-T1	-			-			0.000050	0.00050	U	-			-			-		
	MST273-T2	-			-			0.000040	0.00010	U	-			-			-		
	MST273-T3	-			-			0.000070	0.00010	U	-			-			-		
West Fork Rasmussen Creek, above Rasmussen Creek	MST274	-			-			0	0.00010	U	-			0.000020	0.00010	U	-		
North Fork Lone Pine Creek, NE and above East Fork Lone Pine Creek	MST275	-			-			-			-			0.00079	0.0010	U	-		
Tributary to West Fork Lone Pine Creek, above West Fork Lone Pine Creek	MST276-avg	-			-			0.000023	0.00010	U	-			0.000060	0.00010	U	0.000013	0.00010	U
	MST276-R1	-			-			-			-			-			-0.000030	0.00010	U
	MST276-R2	-			-			-			-			-			0.000060	0.00010	U
	MST276-R3	-			-			-			-			-			0.000010	0.00010	U
	MST276-T1	-			-			0.000020	0.00010	U	-			-			-		
	MST276-T2	-			-			0.000030	0.00010	U	-			-			-		
	MST276-T3	-			-			0.000020	0.00010	U	-			-			-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Cadmium

		Filtered																	
Station		**2003**																	
Name	**ID**	**Jan.**	**RL**	**Flag**	**March**	**RL**	**Flag**	**April**	**RL**	**Flag**	**May**	**RL**	**Flag**	**June**	**RL**	**Flag**	**July**	**RL**	**Flag**
Ballard Mine Dredge Pond	MSP010-avg	-			-			0.0010			0.00073			0.00030			0.000080	0.00010	U
	MSP010-R1	-			-			0.0010			0.00080			-			-		
	MSP010-R2	-			-			0.0011			0.00070			-			-		
	MSP010-R3	-			-			0.00090			0.00070			-			-		
Enoch Valley Mine Keyhole Pond	MSP018	0.016			-			0.089			0.095			0.028			0.0026		
Henry Mine South Pit Pond	MSP055	-			-			0.021			0.024			0.029			0.0069		
Blackfoot River, below Ballard Creek	MST019	0.000050	0.00010	U	0	0.00010	U	0.000030	0.00010	U	0.000020	0.00010	U	0.000010	0.00010	U	-0.000020	0.00010	U
Blackfoot River, above Dry Valley Creek	MST023	-0.000010	0.00010	U	-0.000010	0.00010	U	0.000070	0.00010	U	-0.000020	0.00010	U	0.000020	0.00010	U	0	0.00010	U
Long Valley Creek, below Ballard Mine (ponded area)	MST050	-			-			0.00012	0.00020	U	0.000020	0.00010	U	0.000060	0.00010	U	0.000030	0.00010	U
West Fork Lone Pine Creek, above Lone Pine Creek	MST057	-0.000020	0.00010	U	0.000030	0.00010	U	0.000020	0.00020	U	0.000050	0.00010	U	0.000030	0.00010	U	0.000010	0.00010	U
Lone Pine Creek, above West Fork Lone Pine Creek	MST058	-			-			-			-0.000020	0.00010	U	-			-		
West Fork Lone Pine Creek, above tributary	MST064	0	0.00010	U	0.000010	0.00010	U	0.000030	0.00010	U	0.000017	0.00010	U	-0.000010	0.00010	U	-0.000010	0.00010	U
Ballard Creek headwaters	MST067	-			-			0.0017			0.0019			-			-		
West Fork Ballard Creek Headwaters	MST068	-			-			NS			-			-			-		
Short Creek, below Ballard Mine	MST069	-			-			0.00010			0.000040	0.00010	U	0.000020	0.00010	U	0.000080	0.00010	U
Wooley Valley Creek, below North Fork Wooley Valley Creek	MST089	-			-			0.00020			0.000070	0.00010	U	-			-		
Spring-fed trib. #1 of North Fork Wooley Valley Creek, below Ballard Mine	MST094	-			-			0.000050	0.00010	U	-			-			-		
Spring-fed trib. #2 of North Fork Wooley Valley Creek, below Ballard Mine	MST095	-			-			0.00030			0.00030			-			-		
Rassmussen Creek, above Angus Creek	MST131-avg	0.000040	0.00010	U	0.000020	0.00010	U	-0.000010	0.00020	U	0.00010			0.000013	0.00010	U	-0.000020	0.00010	U
	MST131-R1	-			-			-			-			0.000020	0.00010	U	-		
	MST131-R2	-			-			-			-			0.000010	0.00010	U	-		
	MST131-R3	-			-			-			-			0.000010	0.00010	U	-		
Rasmussen Creek headwaters, near Enoch Valley Mine Shop Pond	MST136-avg	-			-			0.00020			0.00020			-			-		
	MST136-R1	-			-			0.00020			-			-			-		
	MST136-R2	-			-			0.00020			-			-			-		
	MST136-R3	-			-			0.00020			-			-			-		
Little Blackfoot River, above Blackfoot Reservoir	MST234-avg	0.000030	0.00010	U	0.000030	0.00010	U	0.000070	0.00010	U	0.000030	0.00010	U	0.000013	0.00010	U	-0.000013	0.00010	U
	MST234-R1	-			-			-			-			0	0.00010	U	-0.000020	0.00010	U
	MST234-R2	-			-			-			-			0.000020	0.00010	U	-0.000010	0.00010	U
	MST234-R3	-			-			-			-			0.000020	0.00010	U	-0.000010	0.00010	U
Tributary to West Fork Lone Pine Creek, above West Fork Lone Pine Creek	MST276-avg	0.000030	0.00010	U	0.000027	0.00010	U	0.00016	0.00020	U	0.000010	0.00010	U	0	0.00010	U	-0.0000067	0.00010	U
	MST276-R1	0.000020	0.00010	U	0.000030	0.00010	U	-			-			-			-0.000020	0.00010	U
	MST276-R2	0.000030	0.00010	U	0.000030	0.00010	U	-			-			-			0.000020	0.00010	U
	MST276-R3	0.000040	0.00010	U	0.000020	0.00010	U	-			-			-			-0.000020	0.00010	U

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Chromium							
		Filtered					
Station		2001			2002		
Name	ID	May	RL	Flag	May	RL	Flag
Henry Mine South Pit Overburden Dump Limestone Drain	MDS022-avg	0.018			-0.0027	0.010	U
	MDS022-R1	-			-0.0090	0.010	U
	MDS022-R2	-			0.0020	0.010	U
	MDS022-R3	-			-0.0010	0.010	U
Enoch Valley Mine West Dump Seep	MDS025	0.019			0.0030	0.010	U
Enoch Valley Mine South Dump Seep	MDS026-avg	0.0085			0.0010	0.010	U
	MDS026	0.010			-		
	MDS026-D	0.0070	0.0080	U	-		
Reservoir Delta at Blackfoot River	MRV011	-			-0.0040	0.010	U
Reservoir Delta at Little Blackfoot River	MRV016	-			0.0060	0.010	U
Reservoir Delta at Meadow Creek	MRV017	-			0.0010	0.010	U
Enoch Valley Mine, Hedin Spring	MSG001	-			-0.0010	0.010	U
Ballard Mine, Garden Hose Spring	MSG003	-			0.0060	0.010	U
Ballard Mine Dredge Pond	MSP010-avg	0.023			0.0087	0.010	U
	MSP010-R1	-			0.010		
	MSP010-R2	-			0.010		
	MSP010-R3	-			0.0060	0.010	U
Ballard Mine Upper Elk Pond	MSP011	0.0064	0.0080	U	0.0040	0.010	U
Ballard Mine Lower Elk Pond	MSP012	0.010			0.0060	0.010	U
Henry Mine Henry Pond	MSP014	0.0066	0.0080	U	0.0070	0.010	U
Henry Mine Smith Pond	MSP015	0.012			0.0070	0.010	U
Henry Mine Center Henry Pond	MSP016-avg	0.0078	0.0080	U	0.0030	0.010	U
	MSP016	0.0087	0.0080	U	-		
	MSP016-D	0.0068	0.0080	U	-		
Enoch Valley Mine South Pond	MSP017	0.0050	0.0080	U	0	0.010	U
Enoch Valley Mine Keyhole Pond	MSP018	0.0063	0.0080	U	0.0020	0.010	U
Enoch Valley Mine Bat Cave Pond	MSP019	0.0029	0.0080	U	-0.0050	0.010	U
Enoch Valley Mine West Pond	MSP020	0.0013	0.0080	U	0.0020	0.010	U
Enoch Valley Mine Stock Pond	MSP021-avg	0.0055	0.0080	U	-0.0037	0.010	U
	MSP021-R1	-			-0.0070	0.010	U
	MSP021-R2	-			0.0010	0.010	U
	MSP021-R3	-			-0.0050	0.010	U
Enoch Valley Mine Tipple Pond	MSP022	0.0024	0.0080	U	-0.0030	0.010	U
Enoch Valley Mine Haul Road Pond	MSP023	0.0063	0.0080	U	-0.0030	0.010	U
Enoch Valley Mine Shop Pond	MSP031	0.0065	0.0080	U	-0.0040	0.010	U
Henry Mine South Pit Pond	MSP055	0.014			0.010		
Ballard Mine Pit #4 Stock Pond	MSP059	0.0088			-0.0010	0.010	U
Blackfoot River, below Ballard Creek	MST019	-			-0.0030	0.010	U
Blackfoot River, below State Land Creek	MST020	-			-0.0050	0.010	U

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Chromium

		Filtered					
Station		**2001**			**2002**		
Name	**ID**	**May**	**RL**	**Flag**	**May**	**RL**	**Flag**
Blackfoot River, below Trail Creek	MST021	-			0.0040	0.010	U
Blackfoot River, below Wooley Valley Creek	MST022	-			-0.0020	0.010	U
Blackfoot River, below Dry Valley Creek	MST023	-			-0.00050	0.010	U
Blackfoot River, above Dry Valley Creek	MST024	-			-0.0030	0.010	U
Blackfoot River, below Wooley Range Ridge Creek	MST025	-			-0.0050	0.010	U
Blackfoot River, above Wooley Range Ridge Creek	MST026-avg	-			-0.0010	0.010	U
	MST026-R1	-			-0.0050	0.010	U
	MST026-R2	-			-0.0010	0.010	U
	MST026-R3	-			0.0030	0.010	U
Blackfoot River, below Angus Creek	MST027	-			0.0010	0.010	U
Blackfoot River, above Diamond Creek Rd.	MST028	-			0.0030	0.010	U
Blackfoot River, above Spring Creek	MST029-avg	-			-0.00033	0.010	U
	MST029-R1	-			-0.0040	0.010	U
	MST029-R2	-			0.0020	0.010	U
	MST029-R3	-			0.0010	0.010	U
Little Blackfoot River, below Long Valley Creek	MST043	-			-0.0010	0.010	U
Little Blackfoot River, immediately below Henry Mine	MST044	-			0.0060	0.010	U
Little Blackfoot River, above Henry Creek	MST045	-			0.0010	0.010	U
Little Blackfoot River, below Lone Pine Creek	MST046	-			0.0010	0.010	U
Little Blackfoot River, above Lone Pine Creek	MST047	-			0.0030	0.010	U
Little Blackfoot River, below Reese Creek	MST048	-			-0.0010	0.010	U
Little Blackfoot River, above Reese Creek	MST049-avg	-			-0.0040	0.010	U
	MST049-R1	-			-0.0070	0.010	U
	MST049-R2	-			-0.0040	0.010	U
	MST049-R3	-			-0.0010	0.010	U
Long Valley Creek, below Ballard Mine, (ponded area)	MST050	-			0.0020	0.010	U
Lone Pine Creek, above Little Blackfoot River	MST053	-			0.0020	0.010	U
Lone Pine Creek, above Spring-Fed Creek	MST054	-			-0.0010	0.010	U
Lone Pine Creek, below Strip Mine Creek	MST055	-			-0.00050	0.010	U
Lone Pine Creek, above Lone Pine Creek	MST057	-			0.0020	0.010	U
Strip Mine Creek, above Lone Pine Creek	MST062	-			0	0.010	u
Strip Mine Creek, below Henry Mine	MST063	-			-0.0010	0.010	U
West Fork Lone Pine Creek, above tributary	MST064	-			0	0.010	U

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Chromium

		Filtered					
Station		**2001**			**2002**		
Name	**ID**	**May**	**RL**	**Flag**	**May**	**RL**	**Flag**
Ballard Creek, above Blackfoot River	MST066	-			0.0030	0.010	U
Ballard Creek headwaters	MST067	-			0.0025	0.010	U
Short Creek, below Ballard Mine	MST069-avg	-			0.00033	0.010	U
	MST069-R1	-			-0.0020	0.010	U
	MST069-R2	-			0.0020	0.010	U
	MST069-R3	-			0.0010	0.010	U
Wooley Valley Creek, below North Fork Wooley Valley Creek	MST089	-			0.0010	0.010	U
Wooley Valley Creek, above North Fork Wooley Valley Creek	MST090	-			-0.0040	0.010	U
North Fork Wooley Valley Creek, above Wooley Valley Creek	MST092	-			0.0010	0.010	U
North Fork Wooley Valley Creek, above Ballard Mine	MST093	-			0.0020	0.010	U
Spring-fed trib. #1 of N. Fork Wooley Valley Cr., below Ballard Mine	MST094	-			0.0030	0.010	U
Spring-fed trib. #2 of N. Fork Wooley Valley Cr., below Ballard Mine	MST095	-			0.0030	0.010	U
Tributary of North Fork Wooley, below Ballard Mine	MST096	-			0.0005	0.010	U
Caldwell Creek, below Phosphoria Formation outcrop	MST101	-			0.0020	0.010	U
Angus Creek, above Blackfoot River	MST126	-			-0.0030	0.010	U
Angus Creek, below No Name Creek	MST127	-			0	0.010	U
Angus Creek, above Rasmussen Creek	MST128	-			-0.0010	0.010	U
Angus Creek, below Wooley Valley Mine	MST129	-			0.0010	0.010	U
Angus Creek, below Upper Angus Creek Reservoir	MST130-avg	-			0.00033	0.010	U
	MST130-R1	-			0	0.010	U
	MST130-R2	-			0.00050	0.010	U
	MST130-R3	-			0.00050	0.010	U
Rassmussen Creek, above Angus Creek	MST131	-			0.0030	0.010	U
Angus Creek, below Rasmussen Creek	MST132	-			0.0010	0.010	U
Rasmussen Creek, below Enoch Valley Mine	MST133	-			-0.00050	0.010	U
Below West Pond Creek	MST134	-			-0.0070	0.010	U
Above West Pond Creek	MST135	-			-0.0090	0.010	U
Rasmussen Creek headwaters, near Enoch Valley Mine Shop Pond	MST136	-			-0.0050	0.010	U
East Fork Rasmussen Creek, above Rasmussen Creek	MST143	-			-0.0030	0.010	U
East Fork Lone Pine Creek, below Wooley Valley Mine	MST226	-			-0.0020	0.010	U
Blackfoot River, below Spring Creek	MST229	-			-0.0040	0.010	U
Blackfoot River, above State Land Creek	MST230	-			0.0010	0.010	U
Blackfoot River, below Woodall Mountain Creek	MST231	-			0.00050	0.010	U
Blackfoot River, above Blackfoot Reservoir	MST232	-			-0.0020	0.010	U
Little Blackfoot River, above Blackfoot Reservoir	MST234	-			0.0020	0.010	U
Meadow Creek, above Blackfoot Reservoir	MST235	-			0	0.010	U
Timber Creek, above Diamond Creek	MST237-avg	-			-0.0020	0.010	U
	MST237-R1	-			0	0.010	U
	MST237-R2	-			-0.0020	0.010	U
	MST237-R3	-			-0.0040	0.010	U

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued							
Chromium							
		Filtered					
Station		2001			2002		
Name	ID	May	RL	Flag	May	RL	Flag
Little Blackfoot River, upstream of Henry cutoff road	MST254	-			-0.0010	0.010	U
Wooley Valley Creek, above Loadout Creek at road	MST272	-			0.0020	0.010	U
Wooley Valley Creek, above ponding and below MST089	MST273	-			-0.0010	0.010	U
West Fork Rasmussen Creek, above Rasmussen Creek	MST274	-			0.0010	0.010	U
Trib. to W. Fork Lone Pine Creek, above W. Fork Lone Pine Creek	MST276	-			0.0050	0.010	U

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Nickel

		Unfiltered									Filtered		
Station		1998						1999			2001		
Name	ID	May	RL	Flag	Sept.	RL	Flag	May	RL	Flag	May	RL	Flag
Henry Mine South Pit Overburden Dump Limestone Drain	MDS022	0.034			0.018			-			0.0054		
Enoch Valley Mine West Dump Seep	MDS025	-			-			-			0.17		
Enoch Valley Mine South Dump Seep	MDS026-avg	-			-			-			0.021		
	MDS026	-			-			-			0.020		
	MDS026-D	-			-			-			0.022		
Enoch Valley Shop/Office Well	MPW019	-0.0084	0.010	U	-0.0027	0.010	U	-			-		
Ballard Mine Dredge Pond	MSP010	-			-			-			0.031		
Ballard Mine Upper Elk Pond	MSP011	0.019			-			-			0.0091		
Ballard Mine Lower Elk Pond	MSP012	-			-			-			0.0080		
Henry Mine Henry Pond	MSP014	-			-			-			0.0031	0.0033	U
Henry Mine Smith Pond	MSP015	-			-			-			0.0060		
Henry Mine Center Henry Pond	MSP016	-			-			-			0.0046		
	MSP016	-			-			-			0.0046		
	MSP016-D	-			-			-			0.0046		
Enoch Valley Mine South Pond	MSP017	-			-			-			0.016		
Enoch Valley Mine Keyhole Pond	MSP018	-			-			-			1.5		
Enoch Valley Mine Bat Cave Pond	MSP019	-			-			-			0.011		
Enoch Valley Mine West Pond	MSP020	-			-			-			0.011		
Enoch Valley Mine Stock Pond	MSP021-	-			-			-			0.069		
Enoch Valley Mine Tipple Pond	MSP022	-			-			-			0.0032	0.0033	U
Enoch Valley Mine Haul Road Pond	MSP023	-			-			-			0.0027	0.0033	U
Enoch Valley Mine Shop Pond	MSP031	-			-			-			0.022		
Henry Mine South Pit Pond	MSP055	-			-			-			0.96		
Ballard Mine Pit #4 Stock Pond	MSP059	-			-			-			0.0098		
Blackfoot River, below Ballard Creek	MST019	0.013			0.0017	0.010	U	0.011			-		
Blackfoot River, below State Land Creek	MST020	0.016			0.00020	0.010	U	0.0098	0.011	U	-		
Blackfoot River, below Wooley Valley Creek	MST022-avg	-0.0038	0.010	U	0.0091	0.010	U	0.010	0.011	U	-		
	MST022-R0	-0.0027	0.010	U	-			-			-		
	MST022-R1	-0.0016	0.010	U	0.0097	0.010	U	-			-		
	MST022-R2	-0.0055	0.010	U	0.0089	0.010	U	-			-		
	MST022-R3	-0.0065	0.010	U	0.0087	0.010	U	-			-		
	MST022-R4	-0.0026	0.010	U	-			-			-		
Blackfoot River, below Dry Valley Creek	MST023-avg	-0.0032	0.010	U	0.011	0.0080<x<0.0011	U	0.020			-		
	MST023-R1	-			0.0093	0.010	U	-			-		
	MST023-R2	-			0.010			-			-		
	MST023-R3	-			0.013			-			-		
Blackfoot River, above Dry Valley Creek	MST024	-0.0080	0.010	U	0.011			0.022			-		
Blackfoot River, above Wooley Range Ridge Creek	MST026-avg	-0.0034	0.010	U	0.0066	0.010	U	0.0082	0.011	U	-		
	MST026-R1	-			-			0.0094	0.011	U	-		
	MST026-R2	-			-			0.0057	0.011	U	-		
	MST026-R3	-			-			0.0096	0.011	U	-		
Blackfoot River, above Spring Creek	MST029-avg	-0.0073	0.010	U	0.013			0.012			-		
	MST029	-			0.012			-			-		
	MST029-D	-			0.013			-			-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Nickel													
		Unfiltered									Filtered		
Station		1998						1999			2001		
Name	ID	May	RL	Flag	Sept.	RL	Flag	May	RL	Flag	May	RL	Flag
Little Blackfoot River, below Long Valley Creek	MST043	0.0073	0.010	U	0.013			-			-		
Little Blackfoot River, immediately below Henry Mine	MST044-avg	0.0035	0.010	U	0.0040	0.010	U	-			-		
	MST044-R0	-0.0012	0.010	U	-			-			-		
	MST044-R1	0.0016	0.010	U	0.0063	0.010	U	-			-		
	MST044-R1-D	-			0.010			-			-		
	MST044-R2	0.0033	0.010	U	0.0014	0.010	U	-			-		
	MST044-R3	0.0063	0.010	U	0.0029	0.010	U	-			-		
	MST044-R3-D	-			-0.00070	0.010	U	-			-		
	MST044-R4	0.0076	0.010	U	-			-			-		
Little Blackfoot River, below Lone Pine Creek	MST046-avg	0.0094	0.010	U	0.0082	0.010	U	-			-		
	MST046	0.0087	0.010	U	-	0.010	U	-			-		
	MST046-D	0.010			-			-			-		
Little Blackfoot River, above Lone Pine Creek	MST047	-0.0099	0.010	U	0.010			-			-		
Little Blackfoot River, below Reese Creek	MST048-avg	-0.00050	0.010	U	0.0037	0.010	U	-			-		
	MST048-R0	-0.0024	0.010	U	-			-			-		
	MST048-R1	-0.0029	0.010	U	0.0057	0.010	U	-			-		
	MST048-R1-D	-0.00050	0.010	U	-			-			-		
	MST048-R2	0.0021	0.010	U	0.0043	0.010	U	-			-		
	MST048-R3	0.0014	0.010	U	0.0011	0.010	U	-			-		
	MST048-R3-D	0.0038	0.010	U	-			-			-		
	MST048-R4	-0.0029	0.010	U	-			-			-		
Little Blackfoot River, above Reese Creek	MST049-avg	-0.0041	0.010	U	0.0019	0.010	U	-			-		
	MST049-R0	-0.0042	0.010	U	-			-			-		
	MST049-R1	-0.0051	0.010	U	0.00010	0.010	U	-			-		
	MST049-R2	-0.0061	0.010	U	-0.00030	0.010	U	-			-		
	MST049-R3	-0.0023	0.010	U	0.0058	0.010	U	-			-		
	MST049-R4	-0.0029	0.010	U	-			-			-		
Caldwell Creek, below Phosphoria Formation outcrop	MST101-avg	0.0017	0.010	U	0.010	0.0087<x<0.012	U	-			-		
	MST101-R0	0	0.010	U	-			-			-		
	MST101-R1	0.0011	0.010	U	0.011			-			-		
	MST101-R1-D	-			0.015			-			-		
	MST101-R2	0.0049	0.010	U	0.014			-			-		
	MST101-R3	-0.00030	0.010	U	0.0039	0.010	U	-			-		
	MST101-R4	0.0027	0.010	U	-			-			-		
Angus Creek, below Wooley Valley Mine	MST129	-0.00080	0.010	U	0.0012	0.010	U	-			-		
	MST129	-			0.0014	0.010	U	-			-		
	MST129-D	-			0.00090	0.010	U	-			-		
Rassmussen Creek, above Angus Creek	MST131	-0.0053	0.010	U	0.0013	0.010	U	-			-		
Angus Creek, below Rasmussen Creek	MST132	-0.0074	0.010	U	0.0025	0.010	U	-			-		
Blackfoot River, below Spring Creek	MST229	-			-			0.024			-		
Blackfoot River, above Blackfoot Reservoir	MST232-avg	-			-			0.016			-		
	MST232	-			-			0.012			-		
	MST232-D	-			-			0.020			-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Vanadium

		Unfiltered									Filtered		
Station		**1998**						**1999**			**2001**		
Name	**ID**	**May**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**May**	**RL**	**Flag**	**May**	**RL**	**Flag**
Henry Mine South Pit Overburden Dump Limestone Drain	MDS022	0.023			0.0040	0.0043	U	-			0.0036	0.0095	UJ
Enoch Valley Mine West Dump Seep	MDS025	-			-			-			0.0028	0.0095	UJ
Enoch Valley Mine South Dump Seep	MDS026-avg	-			-			-			0.0018	0.0095	UJ
	MDS026	-			-			-			0.0016	0.0095	UJ
	MDS026-D	-			-			-			0.0019	0.0095	UJ
Enoch Valley Shop/Office Well	MPW019	0.011			-0.0073	0.0043	U	-			-		
Ballard Mine Dredge Pond	MSP010	-			-			-			0.012		J
Ballard Mine Upper Elk Pond	MSP011	0.047			-			-			0.048		J
Ballard Mine Lower Elk Pond	MSP012	-			-			-			0.040		J
Henry Mine Henry Pond	MSP014	-			-			-			0.0023	0.0095	UJ
Henry Mine Smith Pond	MSP015	-			-			-			0.0069	0.0095	UJ
Henry Mine Center Henry Pond	MSP016-avg	-			-			-			0.0043	0.0095	UJ
	MSP016	-			-			-			0.0041	0.0095	UJ
	MSP016-D	-			-			-			0.0045	0.0095	UJ
Enoch Valley Mine South Pond	MSP017	-			-			-			0.0027	0.0095	UJ
Enoch Valley Mine Keyhole Pond	MSP018	-			-			-			0.061		J
Enoch Valley Mine Bat Cave Pond	MSP019	-			-			-			0.019		J
Enoch Valley Mine West Pond	MSP020	-			-			-			0.013		J
Enoch Valley Mine Stock Pond	MSP021	-			-			-			0.022		J
Enoch Valley Mine Tipple Pond	MSP022	-			-			-			0.024		J
Enoch Valley Mine Haul Road Pond	MSP023	-			-			-			0.026		J
Enoch Valley Mine Shop Pond	MSP031	-			-			-			0.0079	0.0095	UJ
Henry Mine South Pit Pond	MSP055	-			-			-			0.038		J
Ballard Mine Pit #4 Stock Pond	MSP059	-			-			-			0.0078	0.0095	UJ
Blackfoot River, below Ballard Creek	MST019	0.018			0.0081			0.019			-		
Blackfoot River, below State Land Creek	MST020	0.025			-0.0026	0.0043	U	0.034			-		
Blackfoot River, below Wooley Valley Creek	MST022-avg	0.013			0.0074			0.029			-		
	MST022-R0	0.013			-			-			-		
	MST022-R1	0.0080			0.0065			-			-		
	MST022-R2	0.015			0.0049			-			-		
	MST022-R3	0.016			0.011			-			-		
	MST022-R4	0.010			-			-			-		
Blackfoot River, below Dry Valley Creek	MST023-avg	0.0081			0.017			0.018			-		
	MST023-R1	-			0.016			-			-		
	MST023-R2	-			0.015			-			-		
	MST023-R3	-			0.019			-			-		
Blackfoot River, above Dry Valley Creek	MST024	0.014			0.010			0.029			-		
Blackfoot River, above Wooley Range Ridge Creek	MST026-avg	0.013			0.0071			0.0082	0.0040<x<0.011	U	-		
	MST026-R1	-			-			0.0042	0.0099	U	-		
	MST026-R2	-			-			0.0085	0.0099	U	-		
	MST026-R3	-			-			0.012			-		
Blackfoot River, above Spring Creek	MST029-avg	0.018			0.013			0.036			-		
	MST029	-			0.014			-			-		
	MST029-D	-			0.012			-			-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Vanadium

		Unfiltered									Filtered		
Station		**1998**						**1999**			**2001**		
Name	**ID**	**May**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**May**	**RL**	**Flag**	**May**	**RL**	**Flag**
Little Blackfoot River, below Long Valley Creek	MST043	0.040			0.0095			-			-		
Little Blackfoot River, immediately below Henry Mine	MST044-avg	0.032			0.0038	0.0025<x<0.0053	U	-			-		
	MST044-R0	0.024			-			-			-		
	MST044-R1	0.033			0.0055			-			-		
	MST044-R1-D	-			0.0092			-			-		
	MST044-R2	0.033			0.0035	0.0043	U	-			-		
	MST044-R3	0.033			0.0029	0.0043	U	-			-		
	MST044-R3-D	-			0.0012	0.0043	U	-			-		
	MST044-R4	0.037			-			-			-		
Little Blackfoot River, below Lone Pine Creek	MST046-avg	0.041			0.0073			-			-		
	MST046	0.040			-			-			-		
	MST046-D	0.041			-			-			-		
Little Blackfoot River, above Lone Pine Creek	MST047	0.011			0.0066			-			-		
Little Blackfoot River, below Reese Creek	MST048-avg	0.013			0.0026	0.0020<x<0.0049	U	-			-		
	MST048-R0	0.0073			-			-			-		
	MST048-R1	0.011			-0.0022	0.0043	U	-			-		
	MST048-R1-D	0.0091			-			-			-		
	MST048-R2	0.015			0.0060			-			-		
	MST048-R3	0.022			0.0039	0.0043	U	-			-		
	MST048-R3-D	0.020			-			-			-		
	MST048-R4	0.0079			-			-			-		
Little Blackfoot River, above Reese Creek	MST049-avg	0.013			-0.0010	0.0043	U	-			-		
	MST049-R0	0.013			-			-			-		
	MST049-R1	0.013			-0.00020	0.0043	U	-			-		
	MST049-R2	0.014			-0.0046	0.0043	U	-			-		
	MST049-R3	0.0070			0.0017	0.0043	U	-			-		
	MST049-R4	0.016			-			-			-		
Caldwell Creek, below Phosphoria Formation outcrop	MST101-avg	0.016			0.014			-			-		
	MST101-R0	0.016			-			-			-		
	MST101-R1	0.018			0.018			-			-		
	MST101-R1-D	-			0.020			-			-		
	MST101-R2	0.014			0.017			-			-		
	MST101-R3	0.015			0.0050			-			-		
	MST101-R4	0.017			-			-			-		
Angus Creek, below Wooley Valley Mine	MST129-avg	0.014			0.013			-			-		
	MST129	-			0.013			-			-		
	MST129-D	-			0.012			-			-		
Rassmussen Creek, above Angus Creek	MST131	0.011			0.012			-			-		
Angus Creek, below Rasmussen Creek	MST132	0.012			0.014			-			-		
Blackfoot River, below Spring Creek	MST229	-			-			0.022			-		
Blackfoot River, above Blackfoot Reservoir	MST232-avg	-			-			0.014			-		
	MST232	-			-			0.012			-		
	MST232-D	-			-			0.015			-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

		Nickel											
		Filtered											
Station		2002											
Name	ID	May	RL	Flag	July	RL	Flag	Sept.	RL	Flag	Nov.	RL	Flag
Henry Mine South Pit Overburden Dump Limestone Drain	MDS022-avg	0.0063	0.0056<x<0.0067	UJ	-			0.014	0.028	U	-		
	MDS022-R1	0.0022	0.0035	UJ	-			-			-		
	MDS022-R2	0.0086		J	-			-			-		
	MDS022-R3	0.0081		J	-			-			-		
Enoch Valley Mine West Dump Seep	MDS025	0.17		J	-			-			-		
Enoch Valley Mine South Dump Seep	MDS026	0.0093		J	-			0.024	0.028	U	-		
Reservoir Delta at Blackfoot River	MRV011	0.0015	0.0035	UJ	-			0.0022	0.028	U	-		
Reservoir Delta at Little Blackfoot River	MRV016	0.0027	0.0035	UJ	-			-			-		
Reservoir Delta at Meadow Creek	MRV017-avg	0.0014	0.0035	UJ	-			0.0014	0.028	U	-		
	MRV017-R1	-			-			0.0015	0.028	U	-		
	MRV017-R2	-			-			0.0016	0.028	U	-		
	MRV017-R3	-			-			0.0012	0.028	U	-		
Enoch Valley Mine, Hedin Spring	MSG001	0.0011	0.0035	UJ	-			0.0034	0.028	U	-		
Ballard Mine, Garden Hose Spring	MSG003	0.0010	0.0035	UJ	-			0.0068	0.028	U	-		
Ballard Mine, Holmgren Spring	MSG004	-			-			0.0086	0.028	U	-		
Ballard Mine, Cattle Spring	MSG005	-			-			0.0052	0.028	U	-		
Ballard Mine Dredge Pond	MSP010-avg	0.017		J	0.052			0.12			-		
	MSP010-R1	0.018		J	0.050			-			-		
	MSP010-R2	0.018		J	0.053			-			-		
	MSP010-R3	0.016		J	0.052			-			-		
Ballard Mine Upper Elk Pond	MSP011	0.0078		J	-			-			-		
Ballard Mine Lower Elk Pond	MSP012	0.0086		J	-			-			-		
Henry Mine Henry Pond	MSP014	0.0090		J	-			0.023	0.028	U	-		
Henry Mine Smith Pond	MSP015	0.0046		J	-			0.019	0.028	U	-		
Henry Mine Center Henry Pond	MSP016-avg	0.0035		J	-			0.027	0.028	U	-		
	MSP016-R1	-			-			0.028	0.028	U	-		
	MSP016-R2	-			-			0.027	0.028	U	-		
	MSP016-R3	-			-			0.027	0.028	U	-		
Enoch Valley Mine South Pond	MSP017-avg	0.021		J	-			0.023	0.028	U	-		
Enoch Valley Mine Keyhole Pond	MSP018	1.7		J	1.3			0.60			0.81		
Enoch Valley Mine Bat Cave Pond	MSP019	0.012		J	-			0.011	0.028	U	-		
Enoch Valley Mine West Pond	MSP020	0.011		J	-			0.033			-		
Enoch Valley Mine Stock Pond	MSP021-avg	0.17		J	-			0.031			-		
	MSP021-R1	0.17		J	-			-			-		
	MSP021-R2	0.17		J	-			-			-		
	MSP021-R3	0.18		J	-			-			-		
Enoch Valley Mine Tipple Pond	MSP022	0.0050		J	-			0.026	0.028	U	-		
Enoch Valley Mine Haul Road Pond	MSP023	0.0024	0.0035	UJ	-			0.027	0.028	U	-		
Enoch Valley Mine Shop Pond	MSP031	0.015		J	-			0.058			-		
Henry Mine South Pit Pond	MSP055	0.15		J	0.49			-			-		
Ballard Mine Pit #4 Stock Pond	MSP059	0.0060		J	-			-			-		
Blackfoot River, below Ballard Creek	MST019	0.0014	0.0035	UJ	0.0016	0.0045	U	0.0021	0.028	U	0.0045		
Blackfoot River, below State Land Creek	MST020	0.0017	0.0035	UJ	-			0.0031	0.028	U	-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Nickel													
		Filtered											
Station		2002											
Name	ID	May	RL	Flag	July	RL	Flag	Sept.	RL	Flag	Nov.	RL	Flag
Blackfoot River, below Trail Creek	MST021	0.0013	0.0035	UJ	-			0.0017	0.028	U	-		
Blackfoot River, below Wooley Valley Creek	MST022	0.0015	0.0035	UJ	-			0.0018	0.028	U	-		
Blackfoot River, below Dry Valley Creek	MST023	0.0015	0.0035	UJ	0.00080	0.0045	U	0.0016	0.028	U	0.0037		
Blackfoot River, above Dry Valley Creek	MST024	0.0017	0.0035	UJ	-			-			-		
Blackfoot River, below Wooley Range Ridge Creek	MST025	0.0016	0.0035	UJ	-			-			-		
Blackfoot River, above Wooley Range Ridge Creek	MST026-avg	0.0016	0.0035	UJ	-			-			-		
	MST026-R1	0.0015	0.0035	UJ	-			-			-		
	MST026-R2	0.0017	0.0035	UJ	-			-			-		
	MST026-R3	0.0016	0.0035	UJ	-			-			-		
Blackfoot River, below Angus Creek	MST027	0.0015	0.0035	UJ	-			0.0018	0.028	U	-		
Blackfoot River, above Diamond Creek Rd.	MST028	0.0038			-			0.0018	0.028	U	-		
Blackfoot River, above Spring Creek	MST029-avg	0.0014	0.0035	UJ	-			-			-		
	MST029-R1	0.0015	0.0035	UJ	-			-			-		
	MST029-R2	0.0014	0.0035	UJ	-			-			-		
	MST029-R3	0.0012	0.0035	UJ	-			-			-		
Little Blackfoot River, below Long Valley Creek	MST043	0.00090	0.0035	UJ	-			-			-		
Little Blackfoot River, immediately below Henry Mine	MST044	0.00070	0.0035	UJ	-			-			-		
Little Blackfoot River, above Henry Creek	MST045	0.00070	0.0035	UJ	-			-			-		
Little Blackfoot River, below Lone Pine Creek	MST046	0.0016	0.0035	UJ	-			-			-		
Little Blackfoot River, above Lone Pine Creek	MST047	0.0019	0.0035	UJ	-			-			-		
Little Blackfoot River, below Reese Creek	MST048	0.0015	0.0035	UJ	-			-			-		
Little Blackfoot River, above Reese Creek	MST049-avg	0.0014	0.0035	UJ	-			0.0022	0.028	U	-		
	MST049-R1	0.0015	0.0035	UJ	-			-			-		
	MST049-R2	0.0013	0.0035	UJ	-			-			-		
	MST049-R3	0.0014	0.0035	UJ	-			-			-		
Long Valley Creek, below Ballard Mine, (ponded area)	MST050	0.0037		J	0.0099			-			-		
Lone Pine Creek, above Little Blackfoot River	MST053	0.0020	0.0035	UJ	-			-			-		
Lone Pine Creek, above Spring-Fed Creek	MST054	0.0013	0.0035	UJ	NS			-			-		
Lone Pine Creek, below Strip Mine Creek	MST055	0.0017	0.0035	UJ	NS			-			-		
Lone Pine Creek, above Lone Pine Creek	MST057	0.0022	0.0035	UJ	NS			0.0022	0.028	U	0.0047		
Lone Pine Creek, above West Fork Lone Pine Creek	MST058	-			NS			0.0027	0.028	U	-		
Strip Mine Creek, above Lone Pine Creek	MST062	0.0012	0.0035	UJ	NS			-			-		
Strip Mine Creek, below Henry Mine	MST063	0.0038		J	NS			-			-		
West Fork Lone Pine Creek, above tributary	MST064	0.0017	0.0035	UJ	0.00090	0.0045	U	0.0021	0.028	U	0.0045		
Ballard Creek, above Blackfoot River	MST066	0.0020	0.0035	UJ	-			-			-		
Ballard Creek headwaters	MST067	0.014		J	-			-			-		
Short Creek, below Ballard Mine	MST069-avg	0.027		J	0.018			0.033			0.037		
	MST069-R1	0.026		J	-			-			-		
	MST069-R2	0.027		J	-			-			-		
	MST069-R3	0.027		J	-			-			-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

		Nickel											
		Filtered											
Station		2002											
Name	ID	May	RL	Flag	July	RL	Flag	Sept.	RL	Flag	Nov.	RL	Flag
Wooley Valley Creek, below North Fork Wooley Valley Creek	MST089	0.0044		J	-			-			-		
Wooley Valley Creek, above North Fork Wooley Valley Creek	MST090	0.0022	0.0035	UJ	-			-			-		
North Fork Wooley Valley Creek, above Wooley Valley Creek	MST092	0.012		J	-			-			-		
North Fork Wooley Valley Creek, above Ballard Mine	MST093	0.0016	0.0035	UJ	-			-			-		
Spring-fed trib. #1 of N. Fork Wooley Valley Cr., below Ballard Mine	MST094	0.00090	0.0035	UJ	-			-			-		
Spring-fed trib. #2 of N. Fork Wooley Valley Cr., below Ballard Mine	MST095	0.0074		J	-			-			-		
Tributary of North Fork Wooley, below Ballard Mine	MST096	0.0026	0.0035	UJ	-			-			-		
Caldwell Creek, below Phosphoria Formation outcrop	MST101	0.0011	0.0035	UJ	-			0.0052	0.028	U	-		
Angus Creek, above Blackfoot River	MST126-avg	0.0016	0.0035	UJ	-			0.0029	0.028	U	-		
	MST126-R1	-			-			0.0029	0.028	U	-		
	MST126-R2	-			-			0.0029	0.028	U	-		
	MST126-R3	-			-			0.0030	0.028	U	-		
Angus Creek, below No Name Creek	MST127	0.0015	0.0035	UJ	-			0.0027	0.028	U	-		
Angus Creek, above Rasmussen Creek	MST128	0.0018	0.0035	UJ	-			0.0029	0.028	U	-		
Angus Creek, below Wooley Valley Mine	MST129	0.0019	0.0035	UJ	-			-			-		
Angus Creek, below Upper Angus Creek Reservoir	MST130-avg	0.0047		J	-			-			-		
	MST130-R1	0.0048		J	-			-			-		
	MST130-R2	0.0048		J	-			-			-		
	MST130-R3	0.0045		J	-			-			-		
Rassmussen Creek, above Angus Creek	MST131	0.0018	0.0035	UJ	-			0.0021	0.028	U	-		
Angus Creek, below Rasmussen Creek	MST132	0.0033	0.0035	UJ	0.0014	0.0045	U	0.0025	0.028	U	-		
Rasmussen Creek, below Enoch Valley Mine	MST133	0.0012	0.0035	UJ	-			-			-		
Rasmussen Creek, below West Pond Creek	MST134	0.0018	0.0035	UJ	-			-			-		
Rasmussen Creek, above West Pond Creek	MST135	0.0020	0.0035	UJ	-			-			-		
Rasmussen Creek headwaters, near Enoch Valley Mine Shop Pond	MST136	0.0031	0.0035	UJ	-			-			-		
East Fork Rasmussen Creek, above Rasmussen Creek	MST143	0.0064		J	-			-			-		
East Fork Lone Pine Creek, below Wooley Valley Mine	MST226	0.0010	0.0035	UJ	-			-			-		
Blackfoot River, below Spring Creek	MST229	0.0015	0.0035	UJ	-			-			-		
Blackfoot River, above State Land Creek	MST230	0.0017	0.0035	UJ	-			-			-		
Blackfoot River, below Woodall Mountain Creek	MST231	0.0018	0.0035	UJ	-			0.0041	0.028	U	-		
Blackfoot River, above Blackfoot Reservoir	MST232-avg	0.0018	0.0035	UJ	-			0.0044	0.028	U	-		
	MST232-R1	-			-			0.0044	0.028	U	-		
	MST232-R2	-			-			0.0043	0.028	U	-		
	MST232-R3	-			-			0.0045	0.028	U	-		
Little Blackfoot River, above Blackfoot Reservoir	MST234-avg	0.0084		J	0.0032	0.0022<x<0.0037	U	0.0041	0.028	U	0.011		
	MST234-R1	-			0.0031	0.0045	U	-			-		
	MST234-R2	-			0.0032			-			-		
	MST234-R3	-			0.0033			-			-		
Meadow Creek, above Blackfoot Reservoir	MST235	0.00080	0.0035	UJ	-			0.0010	0.028	U	-		
Stewart Creek, above Diamond Creek	MST236	-			-			0.0030	0.028	U	-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Nickel													
		Filtered											
Station		2002											
Name	ID	May	RL	Flag	July	RL	Flag	Sept.	RL	Flag	Nov.	RL	Flag
Timber Creek, above Diamond Creek	MST237-avg	0.0015	0.0035	UJ	-			0.0031	0.028	U	-		
	MST237-R1	0.0017	0.0035	UJ	-			0.0034	0.028	U	-		
	MST237-R2	0.0016	0.0035	UJ	-			0.0030	0.028	U	-		
	MST237-R3	0.0011	0.0035	UJ	-			0.0029	0.028	U	-		
Little Blackfoot River, upstream of Henry cutoff road	MST254	0.0012	0.0035	UJ	-			-			-		
East Fork Rasmussen Creek headwaters	MST269	-			-			0.0082	0.028	U	-		
Wooley Valley Creek, above Loadout Creek at road	MST272	0.0037		J	-			-			-		
Wooley Valley Creek, above ponding and below MST089	MST273	0.0040		J	-			-			-		
West Fork Rasmussen Creek, above Rasmussen Creek	MST274	0.0014	0.0035	UJ	-			0.0039	0.028	U	-		
North Fork Lone Pine Creek, NE and above E. Fork Lone Pine Cr.	MST275	-			-			0.024	0.028	U	-		
Tributary to West Fork Lone Pine Creek, above West Fork Lone Pine Cree.	MST276-avg	0.0025	0.0035	UJ	-			0.0023	0.028	U	0.0066		
	MST276-R1	-			-			-			0.0046		
	MST276-R2	-			-			-			0.0045		
	MST276-R3	-			-			-			0.011		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

		Vanadium											
		Filtered											
Station		2002											
Name	ID	May	RL	Flag	July	RL	Flag	Sept.	RL	Flag	Nov.	RL	Flag
Henry Mine South Pit Overburden Dump Limestone Drain	MDS022-avg	0	0.0050	U	-			0.00016	0.0050	U	-		
	MDS022-R1	0.0020	0.0050	U	-			-			-		
	MDS022-R2	-0.0010	0.0050	U	-			-			-		
	MDS022-R3	-0.0010	0.0050	U	-			-			-		
Enoch Valley Mine West Dump Seep	MDS025	-0.0010	0.0050	U	-			-			-		
Enoch Valley Mine South Dump Seep	MDS026	0	0.0050	U	-			0.0014	0.0050	U	-		
Reservoir Delta at Blackfoot River	MRV011	-0.0015	0.0050	U	-			0.00093	0.0050	U	-		
Reservoir Delta at Little Blackfoot River	MRV016	0.00050	0.0050	U	-			-			-		
Reservoir Delta at Meadow Creek	MRV017-avg	0.0020	0.0050	U	-			0.0011	0.0050	U	-		
	MRV017-R1	-			-			0.0010	0.0050	U	-		
	MRV017-R2	-			-			0.0010	0.0050	U	-		
	MRV017-R3	-			-			0.0014	0.0050	U	-		
Enoch Valley Mine, Hedin Spring	MSG001	0.0030	0.0050	U	-			0.00029	0.0050	U	-		
Ballard Mine, Garden Hose Spring	MSG003	0.0020	0.0050	U	-			0.0010	0.0050	U	-		
Ballard Mine, Holmgren Spring	MSG004	-			-			0.0016	0.0050	U	-		
Ballard Mine, Cattle Spring	MSG005	-			-			0.00036	0.0050	U	-		
Ballard Mine Dredge Pond	MSP010-avg	0.013			0.025			0.023			-		
	MSP010-R1	0.012			0.024			-			-		
	MSP010-R2	0.014			0.026			-			-		
	MSP010-R3	0.013			0.026			-			-		
Ballard Mine Upper Elk Pond	MSP011	0.024			-			-			-		
Ballard Mine Lower Elk Pond	MSP012	0.039			-			-			-		
Henry Mine Henry Pond	MSP014	0.0010	0.0050	U	-			0.0029	0.0050	U	-		
Henry Mine Smith Pond	MSP015	0.0020	0.0050	U	-			0.0078			-		
Henry Mine Center Henry Pond	MSP016-avg	0.0020	0.0050	U	-			0.019			-		
	MSP016-R1	-			-			0.020			-		
	MSP016-R2	-			-			0.018			-		
	MSP016-R3	-			-			0.019			-		
Enoch Valley Mine South Pond	MSP017	0.0030	0.0050	U	-			0.0014	0.0050	U	-		
Enoch Valley Mine Keyhole Pond	MSP018	0.083			0.048			0.022			0.040		
Enoch Valley Mine Bat Cave Pond	MSP019	0.014			-			0.013			-		
Enoch Valley Mine West Pond	MSP020	0.013			-			0.0089			-		
Enoch Valley Mine Stock Pond	MSP021-avg	0.029			-			0.016			-		
	MSP021-R1	0.031			-			-			-		
	MSP021-R2	0.029			-			-			-		
	MSP021-R3	0.028			-			-			-		
Enoch Valley Mine Tipple Pond	MSP022	0.019			-			0.043			-		
Enoch Valley Mine Haul Road Pond	MSP023	0.040			-			0.032			-		
Enoch Valley Mine Shop Pond	MSP031	0.0040	0.0050	U	-			0.040			-		
Henry Mine South Pit Pond	MSP055	0.029			0.040			-			-		
Ballard Mine Pit #4 Stock Pond	MSP059	0.0040	0.0050	U	-			-			-		
Blackfoot River, below Ballard Creek	MST019	0	0.0050	U	0.0011			0.00070	0.0050	U	0.00069		
Blackfoot River, below State Land Creek	MST020	-0.0010	0.0050	U	-			0.0010	0.0050	U	-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

		Vanadium											
		Filtered											
Station		2002											
Name	ID	May	RL	Flag	July	RL	Flag	Sept.	RL	Flag	Nov.	RL	Flag
Blackfoot River, below Trail Creek	MST021	0.0070			-			0.00066	0.0050	U	-		
Blackfoot River, below Wooley Valley Creek	MST022	0.0010	0.0050	U	-			0.00058	0.0050	U	-		
Blackfoot River, below Dry Valley Creek	MST023	0.0050	0.0050	U	0.0013			0.00058	0.0050	U	0.00076		
Blackfoot River, above Dry Valley Creek	MST024	0.0010	0.0050	U	-			-			-		
Blackfoot River, below Wooley Range Ridge Creek	MST025	-0.0010	0.0050	U	-			-			-		
Blackfoot River, above Wooley Range Ridge Creek	MST026-avg	0.0020	0.0023<x<0.0057	U	-			-			-		
	MST026-R1	-0.0010	0.0050	U	-			-			-		
	MST026-R2	0	0.0050	U	-			-			-		
	MST026-R3	0.0070			-			-			-		
Blackfoot River, below Angus Creek	MST027	0.0010	0.0050	U	-			0.00068	0.0050	U	-		
Blackfoot River, above Diamond Creek Rd.	MST028	0	0.0050	U	-			0.00070	0.0050	U	-		
Blackfoot River, above Spring Creek	MST029-avg	0.0020	0.0050	U	-			-			-		
	MST029-R1	0	0.0050	U	-			-			-		
	MST029-R2	0.0030	0.0050	U	-			-			-		
	MST029-R3	0.0030	0.0050	U	-			-			-		
Little Blackfoot River, below Long Valley Creek	MST043	0.0030	0.0050	U	-			-			-		
Little Blackfoot River, immediately below Henry Mine	MST044	0	0.0050	U	-			-			-		
Little Blackfoot River, above Henry Creek	MST045	0.0060			-			-			-		
Little Blackfoot River, below Lone Pine Creek	MST046	0.0010	0.0050	U	-			-			-		
Little Blackfoot River, above Lone Pine Creek	MST047	0	0.0050	U	-			-			-		
Little Blackfoot River, below Reese Creek	MST048	0.0030	0.0050	U	-			-			-		
Little Blackfoot River, above Reese Creek	MST049-avg	0	0.0050	U	-			0.00096	0.0050	U	-		
	MST049-R1	-0.0010	0.0050	U	-			-			-		
	MST049-R2	0.0020	0.0050	U	-			-			-		
	MST049-R3	-0.0010	0.0050	U	-			-			-		
Long Valley Creek, below Ballard Mine, (ponded area)	MST050	0.016			0.0028			-			-		
Lone Pine Creek, above Little Blackfoot River	MST053	0.0010	0.0050	U	-			-			-		
Lone Pine Creek, above Spring-Fed Creek	MST054	0.00050	0.0050	U	-			-			-		
Lone Pine Creek, below Strip Mine Creek	MST055	0.0010	0.0050	U	-			-			-		
Lone Pine Creek, above Lone Pine Creek	MST057	0.0010	0.0050	U	-			0.00038	0.0050	U	0.00081		
Lone Pine Creek, above West Fork Lone Pine Creek	MST058	-			-			0.00067	0.0050	U	-		
Strip Mine Creek, above Lone Pine Creek	MST062	0.0020	0.0050	U	-			-			-		
Strip Mine Creek, below Henry Mine	MST063	0.0010	0.0050	U	-			-			-		
West Fork Lone Pine Creek, above tributary	MST064	0.0020	0.0050	U	0.00070			0.00043	0.0050	U	0.00074		
Ballard Creek, above Blackfoot River	MST066	0.014			-			-			-		
Ballard Creek headwaters	MST067	0.019			-			-			-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Vanadium													
		Filtered											
Station		2002											
Name	ID	May	RL	Flag	July	RL	Flag	Sept.	RL	Flag	Nov.	RL	Flag
Short Creek, below Ballard Mine	MST069-avg	0.0010	0.0050	U	0.0016			0.0022	0.0050	U	0.0019		
	MST069-R1	0	0.0050	U	-			-			-		
	MST069-R2	0.0010	0.0050	U	-			-			-		
	MST069-R3	0.0020	0.0050	U	-			-			-		
Wooley Valley Creek, below North Fork Wooley Valley Creek	MST089	0.0060			-			-			-		
Wooley Valley Creek, above North Fork Wooley Valley Creek	MST090	0	0.0050	U	-			-			-		
North Fork Wooley Valley Creek, above Wooley Valley Creek	MST092	0.0040	0.0050	U	-			-			-		
North Fork Wooley Valley Creek, above Ballard Mine	MST093	0.011			-			-			-		
Spring-fed trib. #1 of N. Fork Wooley Valley Cr., below Ballard Mine	MST094	-0.0010	0.0050	U	-			-			-		
Spring-fed trib. #2 of N. Fork Wooley Valley Cr., below Ballard Mine	MST095	0.0030	0.0050	U	-			-			-		
Tributary of North Fork Wooley, below Ballard Mine	MST096	-0.0010	0.0050	U	-			-			-		
Caldwell Creek, below Phosphoria Formation outcrop	MST101	-0.0010	0.0050	U	-			0.00058	0.0050	U	-		
Angus Creek, above Blackfoot River	MST126-avg	0.0040	0.0050	U	-			0.00063	0.0050	U	-		
	MST126-R1	-			-			0.00062	0.0050	U	-		
	MST126-R2	-			-			0.00063	0.0050	U	-		
	MST126-R3	-			-			0.00063	0.0050	U	-		
Angus Creek, below No Name Creek	MST127	0.0030	0.0050	U	-			0.0011	0.0050	U	-		
Angus Creek, above Rasmussen Creek	MST128	0.0020	0.0050	U	-			0.00090	0.0050	U	-		
Angus Creek, below Wooley Valley Mine	MST129	0.0010	0.0050	U	-			-			-		
Angus Creek, below Upper Angus Creek Reservoir	MST130-avg	0.00050	0.0050	U	-			-			-		
	MST130-R1	0.0020	0.0050	U	-			-			-		
	MST130-R2	-0.0010	0.0050	U	-			-			-		
	MST130-R3	0.00050	0.0050	U	-			-			-		
Rassmussen Creek, above Angus Creek	MST131	0.0010	0.0050	U	0.0030			0.0019	0.0050	U	-		
Angus Creek, below Rasmussen Creek	MST132	0.0010	0.0050	U	-			0.00088	0.0050	U	-		
Rasmussen Creek, below Enoch Valley Mine	MST133	0.0020	0.0050	U	-			-			-		
Rasmussen Creek, below West Pond Creek	MST134	0.0010	0.0050	U	-			-			-		
Rasmussen Creek, above West Pond Creek	MST135	-0.00050	0.0050	U	-			-			-		
Rasmussen Creek headwaters, near Enoch Valley Mine Shop Pond	MST136	-0.0010	0.0050	U	-			-			-		
East Fork Rasmussen Creek, above Rasmussen Creek	MST143	-0.0010	0.0050	U	-			-			-		
East Fork Lone Pine Creek, below Wooley Valley Mine	MST226	-0.0030	0.0050	U	-			-			-		
Blackfoot River, below Spring Creek	MST229	0.0020	0.0050	U	-			-			-		
Blackfoot River, above State Land Creek	MST230	0.0030	0.0050	U	-			-			-		
Blackfoot River, below Woodall Mountain Creek	MST231	0.0040	0.0050	U	-			0.00089	0.0050	U	-		
Blackfoot River, above Blackfoot Reservoir	MST232-avg	-0.00050	0.0050	U	-			0.00084	0.0050	U	-		
	MST232-R1	-			-			0.00084	0.0050	U	-		
	MST232-R2	-			-			0.00087	0.0050	U	-		
	MST232-R3	-			-			0.00082	0.0050	U	-		
Little Blackfoot River, above Blackfoot Reservoir	MST234-avg	0	0.0050	U	0.00080			0.00086	0.0050	U	0.0012		
	MST234-R1	-			0.00080			-			-		
	MST234-R2	-			0.00080			-			-		
	MST234-R3	-			0.00080			-			-		
Meadow Creek, above Blackfoot Reservoir	MST235	0.0040	0.0050	U	-			0.0016	0.0050	U	-		
Stewart Creek, above Diamond Creek	MST236	-			-			0.00027	0.0050	U	-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Vanadium													
		Filtered											
Station		2002											
Name	ID	May	RL	Flag	July	RL	Flag	Sept.	RL	Flag	Nov.	RL	Flag
Timber Creek, above Diamond Creek	MST237-avg	-0.00017	0.0050	U	-			0.00032	0.0034	U	-		
	MST237-R1	0.0010	0.0050	U	-			0.00036	0.0050	U	-		
	MST237-R2	-0.0010	0.0050	U	-			0.00026	0.00030	U	-		
	MST237-R3	-0.00050	0.0050	U	-			0.00035	0.0050	U	-		
Little Blackfoot River, upstream of Henry cutoff road	MST254	0.0050	0.0050	U	-			-			-		
East Fork Rasmussen Creek headwaters	MST269	-			-			0.0066			-		
Wooley Valley Creek, above Loadout Creek at road	MST272	0.016			-			-			-		
Wooley Valley Creek, above ponding and below MST089	MST273	0.0030	0.0050	U	-			-			-		
West Fork Rasmussen Creek, above Rasmussen Creek	MST274	-0.0020	0.0050	U	-			0.00075	0.0050	U	-		
N. Fork Lone Pine Cr., NE and above E. Fork Lone Pine Cr.	MST275	-			-			0.0088			-		
Tributary to West Fork Lone Pine Creek, above West Fork Lone Pine Creek	MST276-avg	0.0050	0.0050	U	-			0.0011	0.0050	U	0.0010		
	MST276-R1	-			-			-			0.0010		
	MST276-R2	-			-			-			0.0010		
	MST276-R3	-			-			-			0.0010		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Nickel																
		Filtered														
Station		2003														
Name	ID	Jan.	RL	Flag	March	RL	Flag	April	RL	Flag	May	RL	Flag	June	RL	Flag
Ballard Mine Dredge Pond	MSP010-avg	-			-			0.023			0.024			0.055		
	MSP010-R1	-			-			0.024			0.023			-		
	MSP010-R2	-			-			0.023			0.023			-		
	MSP010-R3	-			-			0.023			0.025			-		
Enoch Valley Mine Keyhole Pond	MSP018	1.3			-			1.3			1.6			1.5		
Henry Mine South Pit Pond	MSP055	-			-			0.38			0.47			0.79		
Blackfoot River, below Ballard Creek	MST019	0.0021			0.0017			0.0014	0.0020	U	0.0016			0.0013		
Blackfoot River, below Dry Valley Creek	MST023	0.0023			0.0016			0.0020			0.0018			0.0010	0.013	U
Long Valley Creek, below Ballard Mine, (ponded area)	MST050	-			-			0.0034			0.0018			0.0041		
Lone Pine Creek, above Lone Pine Creek	MST057	0.0028			0.0019			0.0021			0.0021			0.0016		
Lone Pine Creek, above West Fork Lone Pine Creek	MST058	-			-			-			0.0013	0.0015	U	-		
West Fork Lone Pine Creek, above tributary	MST064-avg	0.0028			0.0019			0.0018	0.0020	U	0.0013	0.0015	U	0.0012	0.013	U
	MST064-R1	-			-			-			0.0013	0.0015	U	-		
	MST064-R2	-			-			-			0.0014	0.0015	U	-		
	MST064-R3	-			-			-			0.0011	0.0015	U	-		
Ballard Creek headwaters	MST067	-			-			0.010			0.010			-		
Short Creek, below Ballard Mine	MST069	-			-			0.019			0.020			0.019		
Wooley Valley Creek, below North Fork Wooley Valley Creek	MST089	-			-			0.0023			0.0019			-		
Spring-fed trib. #1 of N. Fork Wooley Valley Cr., below Ballard Mine	MST094	-			-			0.0015	0.0020	U	-			-		
Spring-fed trib. #2 of N. Fork Wooley Valley Cr., below Ballard Mine	MST095	-			-			0.0093			0.0071			-		
Rassmussen Creek, above Angus Creek	MST131-avg	0.0024			0.0021			0.0026			0.0028			0.0012	0.013	U
	MST131-R1	-			-			-			-			0.0012	0.013	U
	MST131-R2	-			-			-			-			0.0012	0.013	U
	MST131-R3	-			-			-			-			0.0012	0.013	U
Rasmussen Creek headwaters, near Enoch Valley Mine Shop Pond	MST136-avg	-			-			0.0032			0.0029			-		
	MST136-R1	-			-			0.0031			-			-		
	MST136-R2	-			-			0.0032			-			-		
	MST136-R3	-			-			0.0032			-			-		
Little Blackfoot River, above Blackfoot Reservoir	MST234-avg	0.0064			0.0047			0.0037			0.0037			0.0036		
	MST234-R1	-			-			-			-			0.0035		
	MST234-R2	-			-			-			-			0.0036		
	MST234-R3	-			-			-			-			0.0036		
Tributary to West Fork Lone Pine Creek, above West Fork Lone Pine Cree.	MST276-avg	0.0029			0.0019			0.0026			0.0022			0.0020		
	MST276-R1	0.0030			0.0019			-			-			-		
	MST276-R2	0.0029			0.0019			-			-			-		
	MST276-R3	0.0029			0.0020			-			-			-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Vanadium																
		Filtered														
Station		2003														
Name	ID	Jan.	RL	Flag	March	RL	Flag	April	RL	Flag	May	RL	Flag	June	RL	Flag
Ballard Mine Dredge Pond	MSP010-avg	-			-			0.016			0.015			0.039		
	MSP010-R1	-			-			0.016			0.015			-		
	MSP010-R2	-			-			0.016			0.015			-		
	MSP010-R3	-			-			0.016			0.015			-		
Enoch Valley Mine Keyhole Pond	MSP018	0.030			-			0.093			0.076			0.055		
Henry Mine South Pit Pond	MSP055	-			-			0.041			0.043			0.033		
Blackfoot River, below Ballard Creek	MST019	0.00061			0.00050			0.0012			0.00097			0.0010		
Blackfoot River, below Dry Valley Creek	MST023	0.00056			0.00062			0.00099			0.00087			0.00086		
Long Valley Creek, below Ballard Mine, (ponded area)	MST050	-			-			0.0017			0.0031			0.023		
Lone Pine Creek, above Lone Pine Creek	MST057	0.00053			0.00060			0.0013			0.0010			0.00098		
West Fork Lone Pine Creek, above tributary	MST064-avg	0.00055			0.00056			0.00069			0.00064			0.00065		
	MST064-R1	-			-			-			0.00066			-		
	MST064-R2	-			-			-			0.00065			-		
	MST064-R3	-			-			-			0.00061			-		
Ballard Creek headwaters	MST067	-			-			0.018			0.013			-		
Short Creek, below Ballard Mine	MST069	-			-			0.0015			0.0020			0.0015		
Wooley Valley Creek, below North Fork Wooley Valley Creek	MST089	-			-			0.0033			0.0027			-		
Spring-fed trib. #1 of N. Fork Wooley Valley Cr., below Ballard Mine	MST094	-			-			0.00080			-			-		
Spring-fed trib. #2 of N. Fork Wooley Valley Cr., below Ballard Mine	MST095	-			-			0.0038			0.0057			-		
Rassmussen Creek, above Angus Creek	MST131-avg	0.00063			0.00064			0.0011			0.00099			0.0017		
	MST131-R1	-			-			-			-			0.0016		
	MST131-R2	-			-			-			-			0.0017		
	MST131-R3	-			-			-			-			0.0017		
Rasmussen Creek headwaters, near Enoch Valley Mine Shop Pond	MST136-avg	-			-			0.0016			0.0013			-		
	MST136-R1	-			-			0.0015			-			-		
	MST136-R2	-			-			0.0016			-			-		
	MST136-R3	-			-			0.0015			-			-		
Little Blackfoot River, above Blackfoot Reservoir	MST234-avg	0.0011			0.00093			0.0011			0.0013			0.0011		
	MST234-R1	-			-			-			-			0.0011		
	MST234-R2	-			-			-			-			0.0011		
	MST234-R3	-			-			-			-			0.0010		
Tributary to West Fork Lone Pine Creek, above West Fork Lone Pine Creek	MST276-avg	0.00085			0.00092			0.0014			0.0011			0.0010		
	MST276-R1	0.00086			0.00089			-			-			-		
	MST276-R2	0.00082			0.00092			-			-			-		
	MST276-R3	0.00088			0.00094			-			-			-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued				
Nickel				
		Filtered		
Station		2003		
Name	ID	July	RL	Flag
Ballard Mine Dredge Pond	MSP010-avg	0.071		
	MSP010-R1	0.071		
	MSP010-R2	0.071		
	MSP010-R3	0.071		
Enoch Valley Mine Keyhole Pond	MSP018	1.1		
Henry Mine South Pit Pond	MSP055	0.65		
Blackfoot River, below Ballard Creek	MST019	0.00090	0.0030	U
Blackfoot River, below Dry Valley Creek	MST023	0.00090		
Long Valley Creek, below Ballard Mine, (ponded area)	MST050	0.0090		
Lone Pine Creek, above Lone Pine Creek	MST057	0.0016	0.0030	U
West Fork Lone Pine Creek, above tributary	MST064	0.00090	0.0030	U
Short Creek, below Ballard Mine	MST069	0.019		
Rassmussen Creek, above Angus Creek	MST131	0.0010	0.0030	U
Little Blackfoot River, above Blackfoot Reservoir	MST234-avg	0.0027	0.0030	U
	MST234-R1	0.0027	0.0030	U
	MST234-R2	0.0027	0.0030	U
	MST234-R3	0.0028	0.0030	U
Tributary to West Fork Lone Pine Creek, above West Fork Lone Pine Cree.	MST276-avg	0.0010	0.0030	U
	MST276-R1	0.0010	0.0030	U
	MST276-R2	0.0010	0.0030	U
	MST276-R3	0.0011	0.0030	U

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued				
Vanadium				
		Filtered		
Station		2003		
Name	ID	July	RL	Flag
Ballard Mine Dredge Pond	MSP010	0.029		
Enoch Valley Mine Keyhole Pond	MSP018	0.035		
Henry Mine South Pit Pond	MSP055	0.031		
Blackfoot River, below Ballard Creek	MST019	0.00078		
Blackfoot River, below Dry Valley Creek	MST023	0.00066		
Long Valley Creek, below Ballard Mine, (ponded area)	MST050	0.0069		
Lone Pine Creek, above Lone Pine Creek	MST057	0.0013		
West Fork Lone Pine Creek, above tributary	MST064	0.00093		
Short Creek, below Ballard Mine	MST069	0.0019		
Rassmussen Creek, above Angus Creek	MST131	0.0013		
Little Blackfoot River, above Blackfoot Reservoir	MST234-avg	0.00084		
	MST234-R1	0.00082		
	MST234-R2	0.00083		
	MST234-R3	0.00087		
Tributary to West Fork Lone Pine Creek, above West Fork Lone Pine Creek	MST276-avg	0.0014		
	MST276-R1	0.0014		
	MST276-R2	0.0015		
	MST276-R3	0.0014		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Zinc

Station		Unfiltered									Filtered					
		1998						1999			2001			2002		
Name	ID	May	RL	Flag	Sept.	RL	Flag	May	RL	Flag	May	RL	Flag	May	RL	Flag
Henry Mine South Pit Overburden Dump Limestone Drain	MDS022-avg	0.0060			-0.0010	0.0011	U	-			0.010		J	0.0018	0.0063	U
	MDS022-R1	-			-			-			-			0.0030	0.015	U
	MDS022-R2	-			-			-			-			0.0014	0.0020	U
	MDS022-R3	-			-			-			-			0.0010	0.0020	U
Enoch Valley Mine West Dump Seep	MDS025	-			-			-			0.14		J	0.12		
Enoch Valley Mine South Dump Seep	MDS026	-			-			-			0.047		J	0.0070	0.015	U
Enoch Valley Shop/Office Well	MPW019	0.051			0.073			-			-			-		
Reservoir Delta at Blackfoot River	MRV011	-			-			-			-			0.0013	0.0020	U
Reservoir Delta at Little Blackfoot River	MRV016	-			-			-			-			0.0040	0.015	U
Reservoir Delta at Meadow Creek	MRV017	-			-			-			-			0.0040	0.015	U
Enoch Valley Mine, Hedin Spring	MSG001	-			-			-			-			0.00064	0.0020	U
Henry Mine, Taylor Spring	MSG002	-			-			-			-			-		
Ballard Mine, Garden Hose Spring	MSG003	-			-			-			-			0.00075	0.0020	U
Ballard Mine Dredge Pond	MSP010-avg	-			-			-			0.025		J	0.013	0.015	U
	MSP010-R1	-			-			-			-			0.014	0.015	U
	MSP010-R2	-			-			-			-			0.014	0.015	U
	MSP010-R3	-			-			-			-			0.012	0.015	U
Ballard Mine Upper Elk Pond	MSP011-avg	0.0061			-			-			0.0078	0.010	UJ	0.0050	0.015	U
	MSP011	-			-			-			0.0070	0.010	UJ	-		
	MSP011-D	-			-			-			0.0086	0.010	UJ	-		
Ballard Mine Lower Elk Pond	MSP012	-			-			-			0.010		J	0.0060	0.015	U
Henry Mine Henry Pond	MSP014	-			-			-			0.0084	0.010	UJ	0.0030	0.015	U
Henry Mine Smith Pond	MSP015	-			-			-			0.012		J	0.0070	0.015	U
Henry Mine Center Henry Pond	MSP016	-			-			-			0.0099	0.010	UJ	0.0016	0.015	U
Enoch Valley Mine South Pond	MSP017	-			-			-			0.019		J	0.015	0.015	U
Enoch Valley Mine Keyhole Pond	MSP018	-			-			-			6.6		J	6.6		
Enoch Valley Mine Bat Cave Pond	MSP019	-			-			-			0.0071	0.010	UJ	0.0030	0.015	U
Enoch Valley Mine West Pond	MSP020	-			-			-			0.0059	0.010	UJ	0.0040	0.015	U
Enoch Valley Mine Stock Pond	MSP021-avg	-			-			-			0.16		J	0.88		
	MSP021-R1	-			-			-			-			0.88		
	MSP021-R2	-			-			-			-			0.86		
	MSP021-R3	-			-			-			-			0.89		
Enoch Valley Mine Tipple Pond	MSP022	-			-			-			0.0098	0.010	UJ	0.0040	0.015	U
Enoch Valley Mine Haul Road Pond	MSP023	-			-			-			0.0074	0.010	UJ	0.0015	0.0020	U
Enoch Valley Mine Shop Pond	MSP031-avg	-			-			-			0.024		J	0.022		
	MSP031	-			-			-			0.025		J	-		
	MSP031-D	-			-			-			0.023		J	-		
Henry Mine South Pit Pond	MSP055	-			-			-			4.0		J	0.33		
Ballard Mine Pit #4 Stock Pond	MSP059	-			-			-			0.0091	0.010	UJ	0.012	0.015	U
Blackfoot River, below Ballard Creek	MST019	0.0038			-0.0017	0.0011	U	-0.020	0.0019	U	-			0.0013	0.0020	U
Blackfoot River, below State Land Creek	MST020	0.0028			-0.0023	0.0011	U	-0.018	0.0019	U	-			0.00086	0.0020	U
Blackfoot River, below Trail Creek	MST021-	-			-			-			-			0.00076	0.0020	U
Blackfoot River, below Wooley Valley Creek	MST022-avg	-0.00022	0.0011	U	0.0015	0.0011<x<0.0015	U	-0.020	0.0019	U	-			0.0011	0.0020	U
	MST022-R0	0.0012			-			-			-			-		
	MST022-R1	0.00080	0.0011	U	0.0010	0.0011	U	-			-			-		
	MST022-R2	-0.0026	0.0011	U	0.0019			-			-			-		
	MST022-R3	0.0010	0.0011	U	0.0015			-			-			-		
	MST022-R4	-0.0015	0.0011	U	-			-			-			-		
Blackfoot River, below Dry Valley Creek	MST023-avg	0.0030			-0.0072	0.0011	U	-0.0084	0.0019	U	-			0.0050	0.015	U
	MST023-R1	-			-0.0078	0.0011	U	-			-			-		
	MST023-R2	-			-0.0068	0.0011	U	-			-			-		
	MST023-R3	-			-0.0070	0.0011	U	-			-			-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Zinc

		Unfiltered									Filtered					
Station		**1998**						**1999**			**2001**			**2002**		
Name	**ID**	**May**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**May**	**RL**	**Flag**	**May**	**RL**	**Flag**	**May**	**RL**	**Flag**
Blackfoot River, above Dry Valley Creek	MST024	-0.0023	0.0011	U	-			-0.011	0.0019	U	-			0.00098	0.0020	U
Blackfoot River, below Wooley Range Ridge Creek	MST025	-			-			-			-			0.0016	0.0020	U
Blackfoot River, above Wooley Range Ridge Creek	MST026-avg	-0.0015	0.0011	U	0.0024			-0.018	0.0019	U	-			0.0014	0.0020	U
	MST026-R1	-			-			-0.017	0.0019	U	-			0.0012	0.0020	U
	MST026-R2	-			-			-0.019	0.0019	U	-			0.0016	0.0020	U
	MST026-R3	-			-			-0.019	0.0019	U	-			0.0013	0.0020	U
Blackfoot River, below Angus Creek	MST027	-			-			-			-			0.0015	0.0020	U
Blackfoot River, above Diamond Creek Rd.	MST028	-			-			-			-			0.0020	0.015	U
Blackfoot River, above Spring Creek	MST029-avg	-0.0019	0.0011	U	-0.0019	0.0011	U	-0.020	0.0019	U	-			0.00066	0.0020	U
	MST029	-			-0.0025	0.0011	U	-			-			-		
	MST029-D	-			-0.0013	0.0011	U	-			-			-		
	MST029-R1	-			-			-			-			0.00089	0.0020	U
	MST029-R2	-			-			-			-			0.00047	0.0020	U
	MST029-R3	-			-			-			-			0.00061	0.0020	U
Little Blackfoot River, below Long Valley Creek	MST043	-0.0013	0.0011	U	0.0047			-			-			0.0018	0.0020	U
Little Blackfoot River, immediately below Henry Mine	MST044-avg	-0.00048	0.0011	U	0.00040	0.0010<x<0.0018	U	-			-			0.0016	0.0020	U
	MST044-R0	-0.0011	0.0011	U	-			-			-			-		
	MST044-R1	-0.0010	0.0011	U	0.0027			-			-			-		
	MST044-R1-D	-			0.0035			-			-			-		
	MST044-R2	0	0.0011	U	-0.00040	0.0011	U	-			-			-		
	MST044-R3	-0.00040	0.0011		-0.0022	0.0011	U	-			-			-		
	MST044-R3-D	-			-0.00070	0.0011	U	-			-			-		
	MST044-R4	0.00010	0.0011	U	-			-			-			-		
Little Blackfoot River, above Henry Creek	MST045	-			-			-			-			0.00067	0.0020	U
Little Blackfoot River, below Lone Pine Creek	MST046-avg	-0.0027	0.0011	U	0.0012			-			-			0.0011	0.0020	U
	MST046	-0.0030	0.0011	U	-			-			-			-		
	MST046-D	-0.0024	0.0011	U	-			-			-			-		
Little Blackfoot River, above Lone Pine Creek	MST047	0.0015			0.0011			-			-			0.0016	0.0020	U
Little Blackfoot River, below Reese Creek	MST048-avg	-0.0053	0.0011	U	0.00097	0.00050<x<0.0012	U	-			-			0.0030	0.015	U
	MST048-R0	-0.0035	0.0011	U	-			-			-			-		
	MST048-R1	-0.0018	0.0011	U	0.00080	0.0011	U	-			-			-		
	MST048-R1-D	-0.0035	0.0011	U	-			-			-			-		
	MST048-R2	-0.0031	0.0011	U	0.0015			-			-			-		
	MST048-R3	-0.0086	0.0011	U	0.00060	0.0011	U	-			-			-		
	MST048-R3-D	-0.011	0.0011	U	-			-			-			-		
	MST048-R4	-0.0054	0.0011	U	-			-			-			-		
Little Blackfoot River, above Reese Creek	MST049-avg	-0.0058	0.0011	U	0.0029			-			-			0.00086	0.0020	U
	MST049-R0	-0.0052	0.0011	U	-			-			-			-		
	MST049-R1	-0.0058	0.0011	U	0.0035			-			-			0.00097	0.0020	U
	MST049-R2	-0.0044	0.0011	U	0.0019			-			-			0.00084	0.0020	U
	MST049-R3	-0.0057	0.0011	U	0.0032			-			-			0.00078	0.0020	U
	MST049-R4	-0.0077	0.0011	U	-			-			-			-		
Long Valley Creek, below Ballard Mine, (ponded area)	MST050	-			-			-			-			0.00085	0.0020	U
Lone Pine Creek, above Little Blackfoot River	MST053	-			-			-			-			0.0013	0.0020	U
Lone Pine Creek, above Spring-Fed Creek	MST054	-			-			-			-			0.00077	0.0020	U
Lone Pine Creek, below Strip Mine Creek	MST055	-			-			-			-			0.0012	0.0020	U
Lone Pine Creek, above Lone Pine Creek	MST057	-			-			-			-			0.0012	0.0020	U
Strip Mine Creek, above Lone Pine Creek	MST062	-			-			-			-			0.0016	0.0020	U

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Zinc

		Unfiltered									Filtered					
Station		**1998**						**1999**			**2001**			**2002**		
Name	**ID**	**May**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**May**	**RL**	**Flag**	**May**	**RL**	**Flag**	**May**	**RL**	**Flag**
Strip Mine Creek, below Henry Mine	MST063	-			-			-			-			0.0030	0.015	U
West Fork Lone Pine Creek, above tributary	MST064	-			-			-			-			0.00081	0.0020	U
Ballard Creek, above Blackfoot River	MST066	-			-			-			-			0.0040	0.015	U
Ballard Creek headwaters	MST067	-			-			-			-			0.033		
Short Creek, below Ballard Mine	MST069-avg	-			-			-			-			0.0073	0.015	U
	MST069-R1	-			-			-			-			0.0080	0.015	U
	MST069-R2	-			-			-			-			0.0070	0.015	U
	MST069-R3	-			-			-			-			0.0070	0.015	U
Wooley Valley Creek, below North Fork Wooley Valley Creek	MST089	-			-			-			-			0.0030	0.015	U
Wooley Valley Creek, above North Fork Wooley Valley Creek	MST090	-			-			-			-			0.0027	0.0040	U
North Fork Wooley Valley Creek, above Wooley Valley Creek	MST092	-			-			-			-			0.020		
North Fork Wooley Valley Creek, above Ballard Mine	MST093	-			-			-			-			0.0011	0.0020	U
Spring-fed trib. #1 of N. Fork Wooley Valley Cr., below Ballard Mine	MST094	-			-			-			-			0.0020	0.015	U
Spring-fed trib. #2 of N. Fork Wooley Valley Cr., below Ballard Mine	MST095	-			-			-			-			0.016		
Tributary of North Fork Wooley, below Ballard Mine	MST096	-			-			-			-			0.0060	0.015	U
Caldwell Creek, below Phosphoria Formation outcrop	MST101-avg	-0.0047	0.0011	U	-0.0078	0.0011	U	-			-			0.0010	0.0020	U
	MST101-R0	-0.0068	0.0011	U	-			-			-			-		
	MST101-R1	-0.0072	0.0011	U	-0.0074	0.0011	U	-			-			-		
	MST101-R1-D	NA			-0.0067	0.0011	U							-		
	MST101-R2	0.0043	0.0011	U	-0.0064	0.0011	U	-			-			-		
	MST101-R3	-0.0060	0.0011	U	-0.0098	0.0011	U	-			-			-		
	MST101-R4	-0.0080	0.0011	U	-			-			-			-		
Angus Creek, above Blackfoot River	MST126	-			-			-			-			0.0030	0.015	U
Angus Creek, below No Name Creek	MST127	-			-			-			-			0.0017	0.0020	U
Angus Creek, above Rasmussen Creek	MST128	-			-			-			-			0.00081	0.0020	U
Angus Creek, below Wooley Valley Mine	MST129-avg	-0.0028	0.0011	U	0.0020			-			-			0.0016	0.0020	U
	MST129	-			0.0020			-			-			-		
	MST129-D	-			0.0020			-			-			-		
Angus Creek, below Upper Angus Creek Reservoir	MST130-avg	-			-			-			-			0.0023	0.0085	U
	MST130-R1	-			-			-			-			0.0030	0.015	U
	MST130-R2	-			-			-			-			0.0019	0.0020	U
	MST130-R3	-			-			-			-			0.0020		
Rassmussen Creek, above Angus Creek	MST131	0.0060	0.0011	U	0.0078			-			-			0.0015	0.0020	U
Angus Creek, below Rasmussen Creek	MST132	0.0048	0.0011	U	0.0033			-			-			0.0040	0.015	U
Rasmussen Creek, below Enoch Valley Mine	MST133	-			-			-			-			0.0015	0.0020	U
Rasmussen Creek, below West Pond Creek	MST134	-			-			-			-			0.0011	0.0020	U
Rasmussen Creek, above West Pond Creek	MST135	-			-			-			-			0.0040	0.015	U
Rasmussen Creek headwaters, near Enoch Valley Mine Shop Pond	MST136	-			-			-			-			0.0015	0.0020	U
East Fork Rasmussen Creek, above Rasmussen Creek	MST143	-			-			-			-			0.010	0.015	U
East Fork Lone Pine Creek, below Wooley Valley Mine	MST226	-			-			-			-			0.0030	0.015	U
Blackfoot River, below Spring Creek	MST229	-			-			-0.011	0.0019	U	-			0.00084	0.0020	U
Blackfoot River, above State Land Creek	MST230	-			-			-			-			0.0011	0.0020	U
Blackfoot River, below Woodall Mountain Creek	MST231	-			-			-			-			0.00099	0.0020	U
Blackfoot River, above Blackfoot Reservoir	MST232-avg	-			-			-0.011	0.0019	U	-			0.0015	0.0020	U
	MST232	-			-			-0.011	0.0019	U	-			-		
	MST232-D	-			-			-0.010	0.0019	U	-			-		
Little Blackfoot River, above Blackfoot Reservoir	MST234	-			-			-			-			0.00074	0.0020	U
Meadow Creek, above Blackfoot Reservoir	MST235	-			-			-			-			0.0012	0.0020	U

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Zinc																
		Unfiltered									Filtered					
Station		1998						1999			2001			2002		
Name	ID	May	RL	Flag	Sept.	RL	Flag	May	RL	Flag	May	RL	Flag	May	RL	Flag
Timber Creek, above Diamond Creek	MST237-avg	-			-			-			-			0.0030	0.015	U
	MST237-R1	-			-			-			-			0.0030	0.015	U
	MST237-R2	-			-			-			-			0.0030	0.015	U
	MST237-R3	-			-			-			-			0.0030	0.015	U
Little Blackfoot River, upstream of Henry cutoff road	MST254	-			-			-			-			0.0050	0.015	U
Wooley Valley Creek, above Loadout Creek at road	MST272	-			-			-			-			0.0013	0.0020	U
Wooley Valley Creek, above ponding and below MST089	MST273	-			-			-			-			0.0060	0.010	U
West Fork Rasmussen Creek, above Rasmussen Creek	MST274	-			-			-			-			0.00092	0.0020	U
Tributary to West Fork Lone Pine Creek, above West Fork Lone Pine Creek	MST276	-			-			-			-			0.0019	0.0020	U

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Zinc																
		Filtered														
Station		2002									2003					
Name	ID	July	RL	Flag	Sept.	RL	Flag	Nov.	RL	Flag	Jan.	RL	Flag	March	RL	Flag
Henry Mine South Pit Overburden Dump Limestone Drain	MDS022	-			0.0080	0.075	U	-			-			-		
Enoch Valley Mine South Dump Seep	MDS026	-			0.023	0.075	U	-			-			-		
Reservoir Delta at Blackfoot River	MRV011	-			0.0070	0.075	U	-			-			-		
Reservoir Delta at Meadow Creek	MRV017-avg	-			0.010	0.075	U	-			-			-		
	MRV017-R1	-			0.007	0.075	U	-			-			-		
	MRV017-R2	-			0.015	0.075	U	-			-			-		
	MRV017-R3	-			0.009	0.075	U	-			-			-		
Enoch Valley Mine, Hedin Spring	MSG001	-			0.0090	0.075	U	-			-			-		
Ballard Mine, Garden Hose Spring	MSG003	-			0.0090	0.075	U	-			-			-		
Ballard Mine, Holmgren Spring	MSG004	-			0.011	0.075	U	-			-			-		
Ballard Mine, Cattle Spring	MSG005	-			0.019	0.075	U	-			-			-		
Ballard Mine Dredge Pond	MSP010-avg	0.017	0.070	U	0.023	0.075	U	-			-			-		
	MSP010-R1	0.020	0.070	U	-			-			-			-		
	MSP010-R2	0.010	0.070	U	-			-			-			-		
	MSP010-R3	0.020	0.070	U	-			-			-			-		
Henry Mine Henry Pond	MSP014	-			0.012	0.075	U	-			-			-		
Henry Mine Smith Pond	MSP015	-			0.011	0.075	U	-			-			-		
Henry Mine Center Henry Pond	MSP016-avg	-			0.016	0.075	U	-			-			-		
	MSP016-R1	-			0.016	0.075	U	-			-			-		
	MSP016-R2	-			0.015	0.075	U	-			-			-		
	MSP016-R3	-			0.018	0.075	U	-			-			-		
Enoch Valley Mine South Pond	MSP017	-			0.016	0.075	U	-			-			-		
Enoch Valley Mine Keyhole Pond	MSP018	2.6			0.92			4.0		J	3.8			-		
Enoch Valley Mine Bat Cave Pond	MSP019	-			0.0080	0.075	U	-			-			-		
Enoch Valley Mine West Pond	MSP020	-			0.032	0.075	U	-			-			-		
Enoch Valley Mine Stock Pond	MSP021	-			0.014	0.075	U	-			-			-		
Enoch Valley Mine Tipple Pond	MSP022	-			0.017	0.075	U	-			-			-		
Enoch Valley Mine Haul Road Pond	MSP023	-			0.022	0.075	U	-			-			-		
Enoch Valley Mine Shop Pond	MSP031	-			0.079			-			-			-		
Henry Mine South Pit Pond	MSP055	0.59			-			-			-			-		
Blackfoot River, below Ballard Creek	MST019	0.011	0.070	U	0.0090	0.075	U	0.0080	0.045	UJ	0.0080	0.065	U	0.017	0.050	U
Blackfoot River, below State Land Creek	MST020	-			0.015	0.075	U	-			-			-		
Blackfoot River, below Trail Creek	MST021	-			0.013	0.075	U	-			-			-		
Blackfoot River, below Wooley Valley Creek	MST022	-			0.0090	0.075	U	-			-			-		
Blackfoot River, below Dry Valley Creek	MST023	0.013	0.070	U	0.0080	0.075	U	0.010	0.045	UJ	0.0060	0.065	U	0.0080	0.050	U
Blackfoot River, below Angus Creek	MST027	-			0.0090	0.075	U	-			-			-		
Blackfoot River, above Diamond Creek Rd.	MST028	-			0.0090	0.075	U	-			-			-		
Little Blackfoot River, above Reese Creek	MST049	-			0.010	0.075	U	-			-			-		
Long Valley Creek, below Ballard Mine, (ponded area)	MST050	0.011	0.070	U	-			-			-			-		
Lone Pine Creek, above Lone Pine Creek	MST057	-			0.0090	0.075	U	0.0080	0.045	UJ	0.0080	0.065	U	0.010	0.050	U
Lone Pine Creek, above West Fork Lone Pine Creek	MST058	-			0.010	0.075	U	-			-			-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Zinc

		Filtered														
Station		**2002**									**2003**					
Name	**ID**	**July**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**Nov.**	**RL**	**Flag**	**Jan.**	**RL**	**Flag**	**March**	**RL**	**Flag**
West Fork Lone Pine Creek, above tributary	MST064	0.014	0.070	U	0.0070	0.075	U	0.0090	0.045	UJ	0.0060	0.065	U	0.010	0.050	U
Short Creek, below Ballard Mine	MST069	0.016	0.070	U	0.011	0.075	U	0.013	0.045	UJ	-			-		
Caldwell Creek, below Phosphoria Formation outcrop	MST101	-			0.015	0.075	U	-			-			-		
Angus Creek, above Blackfoot River	MST126-avg	-			0.0090	0.075	U	-			-			-		
	MST126-R1	-			0.013	0.075	U	-			-			-		
	MST126-R2	-			0.0060	0.075	U	-			-			-		
	MST126-R3	-			0.0080	0.075	U	-			-			-		
Angus Creek, below No Name Creek	MST127	-			0.0080	0.075	U	-			-			-		
Angus Creek, above Rasmussen Creek	MST128	-			0.0080	0.075	U	-			-			-		
Rassmussen Creek, above Angus Creek	MST131	0.013	0.070	U	0.010	0.075	U	-			0.016	0.065	U	0.010	0.050	U
Angus Creek, below Rasmussen Creek	MST132	-			0.010	0.075	U	-			-			-		
Blackfoot River, below Woodall Mountain Creek	MST231	-			0.0070	0.075	U	-			-			-		
Blackfoot River, above Blackfoot Reservoir	MST232-avg	-			0.0080	0.075	U	-			-			-		
	MST232-R1	-			0.0070	0.075	U	-			-			-		
	MST232-R2	-			0.010	0.075	U	-			-			-		
	MST232-R3	-			0.0070	0.075	U	-			-			-		
Little Blackfoot River, above Blackfoot Reservoir	MST234-avg	0.012	0.070	U	0.014	0.075	U	0.012	0.045	UJ	0.010	0.065	U	0.013	0.050	U
	MST234-R1	0.012	0.070	U	-			-			-			-		
	MST234-R2	0.011	0.070	U	-			-			-			-		
	MST234-R3	0.012	0.070	U	-			-			-			-		
Meadow Creek, above Blackfoot Reservoir	MST235	-			0.015	0.075	U	-			-			-		
Stewart Creek, above Diamond Creek	MST236	-			0.0070	0.075	U	-			-			-		
Timber Creek, above Diamond Creek	MST237-avg	-			0.012	0.075	U	-			-			-		
	MST237-R1	-			0.0080	0.075	U	-			-			-		
	MST237-R2	-			0.020	0.075	U	-			-			-		
	MST237-R3	-			0.0080	0.075	U	-			-			-		
East Fork Rasmussen Creek headwaters	MST269	-			0.022	0.075	U	-			-			-		
West Fork Rasmussen Creek, above Rasmussen Creek	MST274	-			0.011	0.075	U	-			-			-		
N. Fork Lone Pine Creek, NE and above East Fork Lone Pine Creek	MST275	-			0.020	0.075	U	-			-			-		
Tributary to West Fork Lone Pine Creek, above West Fork Lone Pine Creek	MST276-avg	-			0.0060	0.075	U	0.011	0.045	UJ	0.0067	0.065	U	0.0087	0.050	U
	MST276-R1	-			-			0.012	0.045	UJ	0.0060	0.065	U	0.0090	0.050	U
	MST276-R2	-			-			0.014	0.045	UJ	0.0070	0.065	U	0.0090	0.050	U
	MST276-R3	-			-			0.0080	0.045	UJ	0.0070	0.065	U	0.0080	0.050	U

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Zinc													
		Filtered											
Station		2003											
Name	ID	April	RL	Flag	May	RL	Flag	June	RL	Flag	July	RL	Flag
Ballard Mine Dredge Pond	MSP010-avg	0.021	0.045	U	0.021	0.070	U	0.027	0.080	U	0.017	0.075	U
	MSP010-R1	0.021	0.045	U	0.021	0.070	U	-			-		
	MSP010-R2	0.020	0.045	U	0.019	0.070	U	-			-		
	MSP010-R3	0.021	0.045	U	0.022	0.070	U	-			-		
Enoch Valley Mine Keyhole Pond	MSP018	5.7			6.5			4.3			1.9		
Henry Mine South Pit Pond	MSP055	1.7			1.6			1.7			0.65		
Blackfoot River, below Ballard Creek	MST019	0.0080	0.045	U	0.0090	0.070	U	0.012	0.080	U	0.011	0.075	U
Blackfoot River, below Dry Valley Creek	MST023	0.010	0.045	U	0.0080	0.070	U	0.019	0.080	U	0.022	0.075	U
Long Valley Creek, below Ballard Mine, (ponded area)	MST050	0.011	0.045	U	0.010	0.070	U	0.014	0.080	U	0.020	0.075	U
Lone Pine Creek, above Lone Pine Creek	MST057	0.0080	0.045	U	0.012	0.070	U	0.021	0.080	U	0.017	0.075	U
Lone Pine Creek, above West Fork Lone Pine Creek	MST058	-			0.0090	0.070	U	-			-		
West Fork Lone Pine Creek, above tributary	MST064-avg	0.0080	0.045	U	0.010	0.070	U	0.015	0.080	U	0.012	0.075	U
	MST064-R1	-			0.009	0.070	U	-			-		
	MST064-R2	-			0.013	0.070	U	-			-		
	MST064-R3	-			0.008	0.070	U	-			-		
Ballard Creek headwaters	MST067	0.031	0.045	U	0.037	0.070	U	-			-		
Short Creek, below Ballard Mine	MST069	0.014	0.045	U	0.014	0.070	U	0.013	0.080	U	0.017	0.075	U
Wooley Valley Creek, below North Fork Wooley Valley Creek	MST089	0.013	0.045	U	0.010	0.070	U	-			-		
Spring-fed trib. #1 of N. Fork Wooley Valley Cr., below Ballard Mine	MST094	0.012	0.045	U	-			-			-		
Spring-fed trib. #2 of N. Fork Wooley Valley Cr., below Ballard Mine	MST095	0.031	0.045	U	0.023	0.070	U	-			-		
Rassmussen Creek, above Angus Creek	MST131-avg	0.014	0.045	U	0.016	0.070	U	0.010	0.080	U	0.028	0.075	U
	MST131-R1	-			-			0.0090	0.080	U	-		
	MST131-R2	-			-			0.012	0.080	U	-		
	MST131-R3	-			-			0.010	0.080	U	-		
Rasmussen Creek headwaters, near Enoch Valley Mine Shop Pond	MST136-avg	0.010	0.045	U	0.014	0.070	U	-			-		
	MST136-R1	0.011	0.045	U	-			-			-		
	MST136-R2	0.0090	0.045	U	-			-			-		
	MST136-R3	0.010	0.045	U	-			-			-		
Little Blackfoot River, above Blackfoot Reservoir	MST234-avg	0.013	0.045	U	0.012	0.070	U	0.016	0.080	U	0.015	0.075	U
	MST234-R1	-			-			0.019	0.080	U	0.017	0.075	U
	MST234-R2	-			-			0.015	0.080	U	0.013	0.075	U
	MST234-R3	-			-			0.013	0.080	U	0.016	0.075	U
Tributary to West Fork Lone Pine Creek, above West Fork Lone Pine Creek	MST276-avg	0.012	0.045	U	0.013	0.070	U	0.013	0.080	U	0.019	0.075	U
	MST276-R1	-			-			-			0.014	0.075	U
	MST276-R2	-			-			-			0.019	0.075	U
	MST276-R3	-			-			-			0.023	0.075	U

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Alkalinity													
		Unfiltered											
Station		1998						1999			1999		
Name	ID	May	RL	Flag	Sept.	RL	Flag	May	RL	Flag	June	RL	Flag
Henry Mine South Pit Overburden Dump Limestone Drain	MDS022	390			300			-			-		
Enoch Valley Shop/Office Well	MPW019	200			190			-			-		
Ballard Mine Upper Elk Pond	MSP011	82			-			-			-		
Blackfoot River, below Ballard Creek	MST019	160			180			170			-		
Blackfoot River, below State Land Creek	MST020	160			170			170			-		
Blackfoot River, below Wooley Valley Creek	MST022	170			180			160			-		
Blackfoot River, below Dry Valley Creek	MST023	160			190			140			-		
Blackfoot River, above Dry Valley Creek	MST024	160			180			130			-		
Blackfoot River, above Wooley Range Ridge Creek	MST026-avg	300			170			160			-		
	MST026-R1	-			-			170			-		
	MST026-R2	-			-			160			-		
	MST026-R3	-			-			140			-		
Blackfoot River, above Spring Creek	MST029	170			190			160			-		
Little Blackfoot River, below Long Valley Creek	MST043	230			350			-			-		
Little Blackfoot River, immediately below Henry Mine	MST044-avg	200			160			-			-		
	MST044	-			150			-			-		
	MST044-D	-			160			-			-		
	MST044-R0	200			-			-			-		
	MST044-R1	200			-			-			-		
	MST044-R2	200			-			-			-		
	MST044-R3	200			-			-			-		
	MST044-R4	200			-			-			-		
Little Blackfoot River, below Lone Pine Creek	MST046	210			200			-			-		
Little Blackfoot River, above Lone Pine Creek	MST047-avg	210			190			-			-		
	MST047	210			-			-			-		
	MST047-D	210			-			-			-		
Little Blackfoot River, below Reese Creek	MST048-avg	140			200			-			-		
	MST048	140			-			-			-		
	MST048-D	140			-			-			-		
Little Blackfoot River, above Reese Creek	MST049	140			180			-			-		
Caldwell Creek, below Phosphoria Formation outcrop	MST101-avg	200			220			-			-		
	MST101	-			220			-			-		
	MST101-D	-			220			-			-		
Angus Creek, below Wooley Valley Mine	MST129	160			190			-			-		
Rassmussen Creek, above Angus Creek	MST131	63			180			-			-		
Angus Creek, below Rasmussen Creek	MST132-avg	100			180			-			-		
	MST132	-			180			-			-		
	MST132-D	-			180			-			-		
Blackfoot River, below Spring Creek	MST229	-			-			170			-		
Blackfoot River, above Blackfoot Reservoir	MST232-avg	-			-			190			220		
	MST232-R1	-			-			-			220		
	MST232-R2	-			-			-			220		
	MST232-R3	-			-			-			220		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Alkalinity																
		Unfiltered														
Station		1999														
Name	ID	July	RL	Flag	Aug.	RL	Flag	Sept.	RL	Flag	Oct.	RL	Flag	Nov.	RL	Flag
Upper Blackfoot Reservoir	MRV001	-			-			190			-			-		
Upper Blackfoot Reservoir	MRV002-avg	-			-			200			-			-		
	MRV002-R1	-			-			200			-			-		
	MRV002-R2	-			-			200			-			-		
	MRV002-R3	-			-			200			-			-		
Upper Blackfoot Reservoir	MRV003	-			-			180			-			-		
Upper Blackfoot Reservoir	MRV004	-			-			190			-			-		
Upper Blackfoot Reservoir	MRV005	-			-			180			-			-		
Lower Blackfoot Reservoir	MRV006	-			-			180			-			-		
Lower Blackfoot Reservoir	MRV007-avg	-			-			180			-			-		
	MRV007-R1	-			-			170			-			-		
	MRV007-R2	-			-			160			-			-		
	MRV007-R3	-			-			200			-			-		
Lower Blackfoot Reservoir	MRV008	-			-			160			-			-		
Lower Blackfoot Reservoir	MRV009-avg	-			-			180			-			-		
	MRV009	-			-			180			-			-		
	MRV009-D	-			-			180			-			-		
Reservoir Delta at Blackfoot River	MRV011-avg	-			-			220			-			-		
	MRV011-R1	-			-			230			-			-		
	MRV011-R1-D	-			-			220			-			-		
	MRV011-R2	-			-			210			-			-		
	MRV011-R3	-			-			230			-			-		
Blackfoot River, below Ballard Creek	MST019	-			-			170			-			-		
Blackfoot River, below State Land Creek	MST020-avg	-			-			160			-			-		
	MST020	-			-			160			-			-		
	MST020-D	-			-			160			-			-		
Blackfoot River, below Trail Creek	MST021	-			-			180			-			-		
Blackfoot River, below Dry Valley Creek	MST023	-			-			190			-			-		
Blackfoot River, above Dry Valley Creek	MST024	-			-			160			-			-		
Blackfoot River, above Wooley Range Ridge Creek	MST026-avg	-			-			190			-			-		
	MST026-R1	-			-			190			-			-		
	MST026-R2	-			-			190			-			-		
	MST026-R3	-			-			190			-			-		
Blackfoot River, below Angus Creek	MST027	-			-			180			-			-		
Blackfoot River, above Diamond Creek Rd.	MST028	-			-			170			-			-		
Blackfoot River, above Spring Creek	MST029	-			-			180			-			-		
Little Blackfoot River, below Long Valley Creek	MST043-avg	-			-			290			-			-		
	MST043	-			-			290			-			-		
	MST043-D	-			-			290			-			-		
Little Blackfoot River, above Reese Creek	MST049-	-			-			140			-			-		
Lone Pine Creek, above Spring-Fed Creek	MST054	-			-			190			-			-		
Wooley Valley Creek, above Blackfoot River	MST088	-			-			190			-			-		
Caldwell Creek, below Phosphoria Formation outcrop	MST101-avg	-			-			200			-			-		
	MST101-R1	-			-			200			-			-		
	MST101-R2	-			-			190			-			-		
	MST101-R3	-			-			200			-			-		
Angus Creek, below No Name Creek	MST127	-			-			170			-			-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Alkalinity

		Unfiltered														
Station		1999														
Name	ID	July	RL	Flag	Aug.	RL	Flag	Sept.	RL	Flag	Oct.	RL	Flag	Nov.	RL	Flag
Angus Creek, below Wooley Valley Mine	MST129	-			-			160			-			-		
Angus Creek, below Upper Angus Creek Reservoir	MST130	-			-			160			-			-		
Rasmussen Creek, below Enoch Valley Mine	MST133	-			-			150			-			-		
Blackfoot River, below Spring Creek	MST229-avg	-			-			180			-			-		
	MST229-R1	-			-			170			-			-		
	MST229-R2	-			-			180			-			-		
	MST229-R3	-			-			180			-			-		
Blackfoot River, above State Land Creek	MST230	-			-			240			-			-		
Blackfoot River, above Blackfoot Reservoir	MST232-avg	220			190			220			130			240		
	MST232	-			190			-			-			-		
	MST232-D	-			190			-			-			-		
	MST232-R1	220			-			-			140			240		
	MST232-R1-D	-			-			-			140			240		
	MST232-R2	220			-			-			120			250		
	MST232-R3	-			-			-			130			-		
Meadow Creek, above Blackfoot Reservoir	MST235	-			-			-			-			-		
Stewart Creek, above Diamond Creek	MST236-avg	-			-			-			-			-		
	MST236-R1	-			-			-			-			-		
	MST236-R2	-			-			-			-			-		
	MST236-R3	-			-			-			-			-		
Timber Creek, above Diamond Creek	MST237-avg	-			-			-			-			-		
	MST237-R1	-			-			-			-			-		
	MST237-R2	-			-			-			-			-		
	MST237-R3	-			-			-			-			-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Alkalinity

		Unfiltered											
Station		**1999**			**2000**			**2001**			**2002**		
Name	**ID**	**Dec.**	**RL**	**Flag**	**May**	**RL**	**Flag**	**May**	**RL**	**Flag**	**May**	**RL**	**Flag**
Henry Mine South Pit Overburden Dump Limestone Drain	MDS022-avg	-			-			410			360		
	MDS022-R1	-			-			-			390		
	MDS022-R2	-			-			-			340		
	MDS022-R3	-			-			-			340		
Enoch Valley Mine West Dump Seep	MDS025	-			-			200			150		
Enoch Valley Mine South Dump Seep	MDS026-avg	-			-			320			310		
	MDS026	-			-			320			-		
	MDS026-D	-			-			320			-		
Upper Blackfoot Reservoir	MRV001	-			210			-			-		
Upper Blackfoot Reservoir	MRV002-avg	-			210			-			-		
	MRV002-R1	-			210			-			-		
	MRV002-R2	-			210			-			-		
	MRV002-R3	-			220			-			-		
	MRV002-R3-D	-			210			-			-		
Upper Blackfoot Reservoir	MRV003	-			210			-			-		
Upper Blackfoot Reservoir	MRV004	-			210			-			-		
Upper Blackfoot Reservoir	MRV005	-			210			-			-		
Lower Blackfoot Reservoir	MRV006-avg	-			210			-			-		
	MRV006	-			210			-			-		
	MRV006-D	-			210			-			-		
Lower Blackfoot Reservoir	MRV007-avg	-			210			-			-		
	MRV007-R1	-			210			-			-		
	MRV007-R2	-			210			-			-		
	MRV007-R3	-			210			-			-		
Lower Blackfoot Reservoir	MRV008	-			210			-			-		
Lower Blackfoot Reservoir	MRV009	-			210			-			-		
Lower Blackfoot Reservoir	MRV0010	-			110			-			-		
Reservoir Delta at Blackfoot River	MRV011	-			-			-			210		
Reservoir Delta at Little Blackfoot River	MRV016	-			-			-			450		
Reservoir Delta at Meadow Creek	MRV017	-			-			-			160		
Enoch Valley Mine, Hedin Spring	MSG001	-			-			-			200		
Henry Mine, Taylor Spring	MSG002	-			-			-			-		
Ballard Mine, Garden Hose Spring	MSG003	-			-			-			220		
Ballard Mine Dredge Pond	MSP010-avg	-			-			230			210		
	MSP010-R1	-			-			-			210		
	MSP010-R2	-			-			-			210		
	MSP010-R3	-			-			-			220		
Ballard Mine Upper Elk Pond	MSP011	-			-			86			69		
Ballard Mine Lower Elk Pond	MSP012	-			-			80			70		
Ballard Mine Northeast Pond	MSP013	-			-			-			-		
Henry Mine Henry Pond	MSP014	-			-			110			56		
Henry Mine Smith Pond	MSP015	-			-			250			180		
Henry Mine Center Henry Pond	MSP016-avg	-			-			150			150		
	MSP016	-			-			150			-		
	MSP016-D	-			-			150			-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Alkalinity

		Unfiltered											
Station		**1999**			**2000**			**2001**			**2002**		
Name	**ID**	**Dec.**	**RL**	**Flag**	**May**	**RL**	**Flag**	**May**	**RL**	**Flag**	**May**	**RL**	**Flag**
Enoch Valley Mine South Pond	MSP017	-			-			110			90		
Enoch Valley Mine Keyhole Pond	MSP018	-			-			130			110		
Enoch Valley Mine Bat Cave Pond	MSP019	-			-			99			100		
Enoch Valley Mine West Pond	MSP020	-			-			43			54		
Enoch Valley Mine Stock Pond	MSP021-avg	-			-			120			100		
	MSP021-R1	-			-			-			100		
	MSP021-R2	-			-			-			100		
	MSP021-R3	-			-			-			100		
Enoch Valley Mine Tipple Pond	MSP022	-			-			73			79		
Enoch Valley Mine Haul Road Pond	MSP023	-			-			56			46		
Enoch Valley Mine Shop Pond	MSP031	-			-			91			66		
Henry Mine South Pit Pond	MSP055	-			-			140			58		
Ballard Mine Pit #4 Stock Pond	MSP059	-			-			60			56		
Blackfoot River, below Ballard Creek	MST019	-			170			-			140		
Blackfoot River, below State Land Creek	MST020	-			170			-			190		
Blackfoot River, below Trail Creek	MST021	-			170			-			180		
Blackfoot River, below Wooley Valley Creek	MST022	-			170			-			180		
Blackfoot River, below Dry Valley Creek	MST023	-			160			-			180		
Blackfoot River, above Dry Valley Creek	MST024	-			140			-			180		
Blackfoot River, below Wooley Range Ridge Creek	MST025	-			-			-			180		
Blackfoot River, above Wooley Range Ridge Creek	MST026-avg	-			160			-			190		
	MST026-R1	-			170			-			190		
	MST026-R2	-			160			-			180		
	MST026-R2-D	-			160			-			-		
	MST026-R3	-			160			-			190		
Blackfoot River, below Angus Creek	MST027	-			170			-			180		
Blackfoot River, above Diamond Creek Rd.	MST028-avg	-			170			-			190		
	MST028	-			170			-			-		
	MST028-D	-			170			-			-		
Blackfoot River, above Spring Creek	MST029-avg	-			160			-			190		
	MST029-R1	-			-			-			180		
	MST029-R2	-			-			-			190		
	MST029-R3	-			-			-			190		
Little Blackfoot River, below Long Valley Creek	MST043-avg	-			220			-			160		
	MST043-R1	-			220			-			-		
	MST043-R2	-			220			-			-		
	MST043-R3	-			220			-			-		
Little Blackfoot River, immediately below Henry Mine	MST044	-			-			-			180		
Little Blackfoot River, above Henry Creek	MST045	-			-			-			150		
Little Blackfoot River, below Lone Pine Creek	MST046	-			-			-			210		
Little Blackfoot River, above Lone Pine Creek	MST047	-			-			-			300		
Little Blackfoot River, below Reese Creek	MST048	-			-			-			160		
Little Blackfoot River, above Reese Creek	MST049-avg	-			140			-			140		
	MST049-R1	-			-			-			140		
	MST049-R2	-			-			-			140		
	MST049-R3	-			-			-			140		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Alkalinity

		Unfiltered											
Station		**1999**			**2000**			**2001**			**2002**		
Name	**ID**	**Dec.**	**RL**	**Flag**	**May**	**RL**	**Flag**	**May**	**RL**	**Flag**	**May**	**RL**	**Flag**
Long Valley Creek, below Ballard Mine, (ponded area)	MST050	-			-			-			68		
Lone Pine Creek, above Little Blackfoot River	MST053	-			-			-			210		
Lone Pine Creek, above Spring-Fed Creek	MST054-avg	-			170			-			190		
	MST054	-			170			-			-		
	MST054-D	-			170			-			-		
Lone Pine Creek, below Strip Mine Creek	MST055	-			-			-			140		
Lone Pine Creek, above Lone Pine Creek	MST057	-			-			-			190		
Strip Mine Creek, above Lone Pine Creek	MST062	-			-			-			180		
Strip Mine Creek, below Henry Mine	MST063	-			-			-			320		
West Fork Lone Pine Creek, above tributary	MST064	-			-			-			240		
Ballard Creek, above Blackfoot River	MST066	-			-			-			100		
Ballard Creek headwaters	MST067	-			-			-			240		
Short Creek, below Ballard Mine	MST069-avg	-			-			-			190		
	MST069-R1	-			-			-			220		
	MST069-R2	-			-			-			170		
	MST069-R3	-			-			-			170		
Wooley Valley Creek, above Blackfoot River	MST088	-			170			-			-		
Wooley Valley Creek, below North Fork Wooley Valley Creek	MST089	-			-			-			140		
Wooley Valley Creek, above North Fork Wooley Valley Creek	MST090	-			-			-			200		
North Fork Wooley Valley Creek, above Wooley Valley Creek	MST092	-			-			-			59		
North Fork Wooley Valley Creek, above Ballard Mine	MST093	-			-			-			78		
Spring-fed trib. #1 of N. Fork Wooley Valley Cr., below Ballard Mine	MST094	-			-			-			130		
Spring-fed trib. #2 of N. Fork Wooley Valley Cr., below Ballard Mine	MST095	-			160			-			140		
Tributary of North Fork Wooley, below Ballard Mine	MST096	-			180			-			190		
Caldwell Creek, below Phosphoria Formation outcrop	MST101-avg	-			200			-			120		
	MST101-R1	-			200			-			-		
	MST101-R1-D	-			200			-			-		
	MST101-R2	-			200			-			-		
	MST101-R3	-			200			-			-		
Angus Creek, above Blackfoot River	MST126	-			-			-			140		
Angus Creek, below No Name Creek	MST127	-			130			-			160		
Angus Creek, above Rasmussen Creek	MST128	-			-			-			170		
Angus Creek, below Wooley Valley Mine	MST129-avg	-			160			-			180		
	MST129	-			160			-			-		
	MST129-D	-			160			-			-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Alkalinity

		Unfiltered											
Station		**1999**			**2000**			**2001**			**2002**		
Name	**ID**	**Dec.**	**RL**	**Flag**	**May**	**RL**	**Flag**	**May**	**RL**	**Flag**	**May**	**RL**	**Flag**
Angus Creek, below Upper Angus Creek Reservoir	MST130-avg	-			220			-			220		
	MST130-R1	-			-			-			230		
	MST130-R2	-			-			-			210		
	MST130-R3	-			-			-			220		
Rassmussen Creek, above Angus Creek	MST131	-			-			-			100		
Angus Creek, below Rasmussen Creek	MST132	-			-			-			170		
Rasmussen Creek, below Enoch Valley Mine	MST133	-			65			-			83		
Rasmussen Creek, below West Pond Creek	MST134	-			-			-			72		
Rasmussen Creek, above West Pond Creek	MST135	-			-			-			36		
Rasmussen Creek headwaters near Enoch Valley Mine Shop Pond	MST136	-			-			-			61		
East Fork Rasmussen Creek, above Rasmussen Creek	MST143	-			32			-			35		
East Fork Lone Pine Creek, below Wooley Valley Mine	MST226	-			87			-			79		
Blackfoot River, below Spring Creek	MST229-avg	-			160			-			190		
	MST229-R1	-			170			-			-		
	MST229-R2	-			160			-			-		
	MST229-R3	-			160			-			-		
Blackfoot River, above State Land Creek	MST230	-			170			-			190		
Blackfoot River, below Woodall Mountain Creek	MST231	-			-			-			210		
Blackfoot River, above Blackfoot Reservoir	MST232-avg	260			190			-			220		
	MST232-R1	260			-			-			-		
	MST232-R2	250			-			-			-		
	MST232-R3	260			-			-			-		
Little Blackfoot River, above Blackfoot Reservoir	MST234	-			-			-			330		
Meadow Creek, above Blackfoot Reservoir	MST235	-			160			-			120		
Stewart Creek, above Diamond Creek	MST236-avg	-			173			-			-		
	MST236-R1	-			170			-			-		
	MST236-R2	-			180			-			-		
	MST236-R3	-			170			-			-		
Timber Creek, above Diamond Creek	MST237-avg	-			170			-			180		
	MST237-R1	-			170			-			180		
	MST237-R2	-			170			-			180		
	MST237-R3	-			170			-			170		
Little Blackfoot River, upstream of Henry cutoff road	MST254	-			-			-			81		
Wooley Valley Creek, above Loadout Creek at road	MST272	-			-			-			180		
Wooley Valley Creek, above ponding and below MST089	MST273	-			-			-			210		
West Fork Rasmussen Creek, above Rasmussen Creek	MST274	-			-			-			150		
Tributary to W. Fork Lone Pine Creek, above W. Fork Lone Pine Creek	MST276	-			-			-			6.1		
Spring-fed tributary, above Lone Pine Creek	MST277	-			-			-			170		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued				
Alkalinity				
		Unfiltered		
Station		2002		
Name	ID	Sept.	RL	Flag
Henry Mine South Pit Overburden Dump Limestone Drain	MDS022	530		
Enoch Valley Mine South Dump Seep	MDS026	290		
Reservoir Delta at Blackfoot River	MRV011	230		
Reservoir Delta at Meadow Creek	MRV017-avg	140		
	MRV017-R1	140		
	MRV017-R2	140		
	MRV017-R3	150		
Enoch Valley Mine, Hedin Spring	MSG001	190		
Ballard Mine, Garden Hose Spring	MSG003	270		
Ballard Mine, Holmgren Spring	MSG004	260		
Ballard Mine, Cattle Spring	MSG005	260		
Ballard Mine Dredge Pond	MSP010	110		
Henry Mine Henry Pond	MSP014	120		
Henry Mine Smith Pond	MSP015	98		
Henry Mine Center Henry Pond	MSP016-avg	140		
	MSP016-R1	140		
	MSP016-R2	140		
	MSP016-R3	140		
Enoch Valley Mine South Pond	MSP017	49		
Enoch Valley Mine Keyhole Pond	MSP018	130		
Enoch Valley Mine Bat Cave Pond	MSP019	61		
Enoch Valley Mine West Pond	MSP020	150		
Enoch Valley Mine Stock Pond	MSP021	160		
Enoch Valley Mine Tipple Pond	MSP022	110		
Enoch Valley Mine Haul Road Pond	MSP023	46		
Enoch Valley Mine Shop Pond	MSP031	110		
Blackfoot River, below Ballard Creek	MST019	140		
Blackfoot River, below State Land Creek	MST020	160		
Blackfoot River, below Trail Creek	MST021	160		
Blackfoot River, below Wooley Valley Creek	MST022	170		
Blackfoot River, below Dry Valley Creek	MST023	160		
Blackfoot River, below Angus Creek	MST027	170		
Blackfoot River, above Diamond Creek Rd.	MST028	170		
Little Blackfoot River, above Reese Creek	MST049	140		
Lone Pine Creek, above Lone Pine Creek	MST057	230		
West Fork Lone Pine Creek, above tributary	MST064	230		
Short Creek, below Ballard Mine	MST069	270		
Caldwell Creek, below Phosphoria Formation outcrop	MST101	220		
Angus Creek, above Blackfoot River	MST126-avg	200		
	MST126-R1	200		
	MST126-R2	190		
	MST126-R3	200		
Angus Creek, below No Name Creek	MST127	190		
Angus Creek, above Rasmussen Creek	MST128	210		
Rassmussen Creek, above Angus Creek	MST131	170		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued				
Alkalinity				
		Unfiltered		
Station		2002		
Name	ID	Sept.	RL	Flag
Angus Creek, below Rasmussen Creek	MST132	200		
Blackfoot River, below Woodall Mountain Creek	MST231	220		
Blackfoot River, above Blackfoot Reservoir	MST232-avg	210		
	MST232-R1	210		
	MST232-R2	210		
	MST232-R3	210		
Little Blackfoot River, above Blackfoot Reservoir	MST234	460		
Meadow Creek, above Blackfoot Reservoir	MST235	130		
Stewart Creek, above Diamond Creek	MST236	170		
Timber Creek, above Diamond Creek	MST237-avg	170		
	MST237-R1	170		
	MST237-R2	170		
	MST237-R3	170		
East Fork Rasmussen Creek headwaters	MST269	28		
West Fork Rasmussen Creek, above Rasmussen Creek	MST274	170		
N. Fork Lone Pine Creek, NE and above East Fork Lone Pine Creek	MST275	170		
Tributary to W. Fork Lone Pine Creek, above W. Fork Lone Pine Creek	MST276	210		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Calcium																			
		Unfiltered						1999											
Station		1998						Unfiltered			Unfiltered			Unfiltered			Unfiltered		
Name	ID	May	RL	Flag	Sept.	RL	Flag	May	RL	Flag	June	RL	Flag	July	RL	Flag	Aug.	RL	Flag
Henry Mine South Pit Overburden Dump Limestone Drain	MDS022	130			110			-			-			-			-		
Enoch Valley Shop/Office Well	MPW019	73			63			-			-			-			-		
Ballard Mine Upper Elk Pond	MSP011	30			-			-			-			-			-		
Blackfoot River, below Ballard Creek	MST019	53			51			53			-			-			-		
Blackfoot River, below State Land Creek	MST020	54			49			53			-			-			-		
Blackfoot River, below Wooley Valley Creek	MST022-avg	58			51			52			-			-			-		
	MST022-R0	59			-			-			-			-			-		
	MST022-R1	58			51			-			-			-			-		
	MST022-R2	58			51			-			-			-			-		
	MST022-R3	59			51			-			-			-			-		
	MST022-R4	57			-			-			-			-			-		
Blackfoot River, below Dry Valley Creek	MST023-avg	53			49			50			-			-			-		
	MST023-R1	-			50			-			-			-			-		
	MST023-R2	-			49			-			-			-			-		
	MST023-R3	-			49			-			-			-			-		
Blackfoot River, above Dry Valley Creek	MST024	52			51			52			-			-			-		
Blackfoot River, above Wooley Range Ridge Creek	MST026-avg	56			49			49			-			-			-		
	MST026-R1	-			-			49			-			-			-		
	MST026-R2	-			-			49			-			-			-		
	MST026-R3	-			-			49			-			-			-		
Blackfoot River, above Spring Creek	MST029-avg	55			55			48			-			-			-		
	MST029	-			55			48			-			-			-		
	MST029-D	-			54			-			-			-			-		
Little Blackfoot River, below Long Valley Creek	MST043	73			120			-			-			-			-		
Little Blackfoot River, immediately below Henry Mine	MST044-avg	66			64			-			-			-			-		
	MST044-R0	66			-			-			-			-			-		
	MST044-R1	66			64			-			-			-			-		
	MST044-R1-D	-			65			-			-			-			-		
	MST044-R2	66			63			-			-			-			-		
	MST044-R3	66			64			-			-			-			-		
	MST044-R4	66			63			-			-			-			-		
Little Blackfoot River, below Lone Pine Creek	MST046-avg	65			66			-			-			-			-		
	MST046	65			-			-			-			-			-		
	MST046-D	64			-			-			-			-			-		
Little Blackfoot River, above Lone Pine Creek	MST047	67			61			-			-			-			-		
Little Blackfoot River, below Reese Creek	MST048-avg	49			59			-			-			-			-		
	MST048-R0	51			-			-			-			-			-		
	MST048-R1	50			59			-			-			-			-		
	MST048-R1-D	51			-			-			-			-			-		
	MST048-R2	51			60			-			-			-			-		
	MST048-R3	47			59			-			-			-			-		
	MST048-R3-D	47			-			-			-			-			-		
	MST048-R4	45			-			-			-			-			-		
Little Blackfoot River, above Reese Creek	MST049-avg	42			48			-			-			-			-		
	MST049-R0	42			-			-			-			-			-		
	MST049-R1	42			48			-			-			-			-		
	MST049-R2	42			48			-			-			-			-		
	MST049-R3	42			48			-			-			-			-		
	MST049-R4	41			-			-			-			-			-		
Caldwell Creek, below Phosphoria Formation outcrop	MST101-avg	71			64			-			-			-			-		
	MST101-R0	72			-			-			-			-			-		
	MST101-R1	72			63			-			-			-			-		
	MST101-R2	71			63			-			-			-			-		
	MST101-R3	70			64			-			-			-			-		
	MST101-R4	71			66			-			-			-			-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Calcium

		Unfiltered						1999											
Station		**1998**						**Unfiltered**			**Unfiltered**			**Unfiltered**			**Unfiltered**		
Name	**ID**	**May**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**May**	**RL**	**Flag**	**June**	**RL**	**Flag**	**July**	**RL**	**Flag**	**Aug.**	**RL**	**Flag**
Angus Creek, below Wooley Valley Mine	MST129-avg	64			76			-			-			-			-		
	MST129	-			76			-			-			-			-		
	MST129-D	-			76			-			-			-			-		
Rassmussen Creek, above Angus Creek	MST131	29			57			-			-			-			-		
Angus Creek, below Rasmussen Creek	MST132	42			73			-			-			-			-		
Blackfoot River, below Spring Creek	MST229	-			-			51			-			-			-		
Blackfoot River, above Blackfoot Reservoir	MST232-avg	-			-			58			63			-			-		
	MST232	-			-			59			-			-			58		
	MST232-D	-			-			57			-			-			58		
	MST232-R1	-			-			-			62			59			-		
	MST232-R2	-			-			-			63			58			-		
	MST232-R3	-			-			-			63			-			-		
	MST232-R3-D	-			-			-			66			-			-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Calcium

		1999												Filtered					
Station		Filtered			Filtered			Unfiltered			Filtered			2000			2001		
Name	**ID**	**Sept.**	**RL**	**Flag**	**Oct.**	**RL**	**Flag**	**Nov.**	**RL**	**Flag**	**Dec.**	**RL**	**Flag**	**May**	**RL**	**Flag**	**May**	**RL**	**Flag**
Henry Mine South Pit Overburden Dump Limestone Drain	MDS022	-			-			-			-			-			100		
Enoch Valley Mine West Dump Seep	MDS025	-			-			-			-			-			250		
Enoch Valley Mine South Dump Seep	MDS026	-			-			-			-			-			140		
Upper Blackfoot Reservoir	MRV001-avg	59			-			-			-			64			-		
	MRV001	-			-			-			-			-			-		
	MRV001-D	-			-			-			-			-			-		
Upper Blackfoot Reservoir	MRV002-avg	58			-			-			-			67			-		
	MRV002-R1	58			-			-			-			68			-		
	MRV002-R2	58			-			-			-			66			-		
	MRV002-R3	58			-			-			-			67			-		
Upper Blackfoot Reservoir	MRV003	55			-			-			-			66			-		
Upper Blackfoot Reservoir	MRV004	60			-			-			-			66			-		
Upper Blackfoot Reservoir	MRV005	57			-			-			-			69			-		
Lower Blackfoot Reservoir	MRV006	50			-			-			-			66			-		
Lower Blackfoot Reservoir	MRV007-avg	49			-			-			-			66			-		
	MRV007-R1	50			-			-			-			66			-		
	MRV007-R2	48			-			-			-			67			-		
	MRV007-R3	50			-			-			-			66			-		
	MRV007-R3-D	-			-			-			-			65			-		
Lower Blackfoot Reservoir	MRV008	49			-			-			-			66			-		
Lower Blackfoot Reservoir	MRV009	48			-			-			-			65			-		
Lower Blackfoot Reservoir	MRV010	56			-			-			-			70			-		
Reservoir Delta at Blackfoot River	MRV011-avg	62			-			-			-			-			-		
	MRV011-R1	61			-			-			-			-			-		
	MRV011-R1-D	62			-			-			-			-			-		
	MRV011-R1-D	62			-			-			-			-			-		
	MRV011-R2	63			-			-			-			-			-		
	MRV011-R3	62			-			-			-			-			-		
	MRV011-R3-D	61			-			-			-			-			-		
Ballard Mine Dredge Pond	MSP010-avg	-			-			-			-			-			240		
	MSP010	-			-			-			-			-			-		
	MSP010-R1	-			-			-			-			-			-		
	MSP010-R2	-			-			-			-			-			-		
	MSP010-R3	-			-			-			-			-			-		
Ballard Mine Upper Elk Pond	MSP011-avg	-			-			-			-			-			28	46	U
	MSP011	-			-			-			-			-			28	46	U
	MSP011-D	-			-			-			-			-			28	46	U
Henry Mine Henry Pond	MSP014	-			-			-			-			-			90		
Henry Mine Smith Pond	MSP015	-			-			-			-			-			120		
Henry Mine Center Henry Pond	MSP016	-			-			-			-			-			91		
Enoch Valley Mine South Pond	MSP017	-			-			-			-			-			250		
Enoch Valley Mine Keyhole Pond	MSP018	-			-			-			-			-			390		
Enoch Valley Mine Bat Cave Pond	MSP019	-			-			-			-			-			99		
Enoch Valley Mine West Pond	MSP020	-			-			-			-			-			62		
Enoch Valley Mine Stock Pond	MSP021	-			-			-			-			-			180		
Enoch Valley Mine Tipple Pond	MSP022	-			-			-			-			-			140		
Enoch Valley Mine Haul Road Pond	MSP023	-			-			-			-			-			120		
Enoch Valley Mine Shop Pond	MSP031-avg	-			-			-			-			-			83		
	MSP031	-			-			-			-			-			83		
	MSP031-D	-			-			-			-			-			82		
Henry Mine South Pit Pond	MSP055	-			-			-			-			-			260		
Ballard Mine Pit #4 Stock Pond	MSP059	-			-			-			-			-			18	46	U
Blackfoot River, below Ballard Creek	MST019	55			-			-			-			61			-		
Blackfoot River, below State Land Creek	MST020	54			-			-			-			64			-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Calcium

		1999												Filtered					
Station		Filtered			Filtered			Unfiltered			Filtered			2000			2001		
Name	**ID**	**Sept.**	**RL**	**Flag**	**Oct.**	**RL**	**Flag**	**Nov.**	**RL**	**Flag**	**Dec.**	**RL**	**Flag**	**May**	**RL**	**Flag**	**May**	**RL**	**Flag**
Blackfoot River, below Trail Creek	MST021	54			-			-			-			62			-		
Blackfoot River, below Wooley Valley Creek	MST022	-			-			-			-			59			-		
Blackfoot River, below Dry Valley Creek	MST023	57			-			-			-			58			-		
Blackfoot River, above Dry Valley Creek	MST024	52			-			-			-			62			-		
Blackfoot River, above Wooley Range Ridge Creek	MST026-avg	55			-			-			-			61			-		
	MST026-R1	54			-			-			-			63			-		
	MST026-R1-D	-			-			-			-			62			-		
	MST026-R2	55			-			-			-			62			-		
	MST026-R3	55			-			-			-			59			-		
Blackfoot River, below Angus Creek	MST027-avg	58			-			-			-			60			-		
	MST027	-			-			-			-			59			-		
	MST027-D	-			-			-			-			61			-		
Blackfoot River, above Diamond Creek Rd.	MST028-avg	58			-			-			-			59			-		
	MST028	-			-			-			-			59			-		
	MST028-D	-			-			-			-			58			-		
Blackfoot River, above Spring Creek	MST029-avg	59			-			-			-			61			-		
	MST029	-			-			-			-			61			-		
	MST029-D	-			-			-			-			60			-		
Little Blackfoot River, below Long Valley Creek	MST043-avg	100			-			-			-			85			-		
	MST043-R1	-			-			-			-			86			-		
	MST043-R2	-			-			-			-			86			-		
	MST043-R3	-			-			-			-			84			-		
Little Blackfoot River, above Reese Creek	MST049	38			-			-			-			45			-		
Lone Pine Creek, above Spring-Fed Creek	MST054-avg	61			-			-			-			65			-		
	MST054	-			-			-			-			66			-		
	MST054-D	-			-			-			-			63			-		
Wooley Valley Creek, above Blackfoot River	MST088	57			-			-			-			62			-		
Spring-fed trib. #2 of N. Fork Wooley Valley Cr., below Ballard Mine	MST095	-			-			-			-			77			-		
Tributary of North Fork Wooley, below Ballard Mine	MST096	-			-			-			-			87			-		
Caldwell Creek, below Phosphoria Formation outcrop	MST101-avg	75			-			-			-			76			-		
	MST101-R1	75			-			-			-			73			-		
	MST101-R2	75			-			-			-			78			-		
	MST101-R3	75			-			-			-			77			-		
	MST101-R3-D	76			-			-			-			-			-		
Angus Creek, below No Name Creek	MST127	68			-			-			-			59			-		
Angus Creek, below Wooley Valley Mine	MST129	68			-			-			-			73			-		
Angus Creek, below Upper Angus Creek Reservoir	MST130	100			-			-			-			150			-		
Rasmussen Creek, below Enoch Valley Mine	MST133-avg	70			-			-			-			40			-		
	MST133	70			-			-			-			-			-		
	MST133-D	70			-			-			-			-			-		
East Fork Rasmussen Creek, above Rasmussen Creek	MST143	-			-			-			-			59			-		
East Fork Lone Pine Creek, below Wooley Valley Mine	MST226	-			-			-			-			33			-		
Blackfoot River, below Spring Creek	MST229-avg	60			-			-			-			63			-		
	MST229-R1	62			-			-			-			65			-		
	MST229-R2	60			-			-			-			64			-		
	MST229-R3	59			-			-			-			59			-		
Blackfoot River, above State Land Creek	MST230-avg	53			-			-			-			65			-		
	MST230	52			-			-			-			-			-		
	MST230-D	53			-			-			-			-			-		
Blackfoot River, above Blackfoot Reservoir	MST232-avg	65			63			61			70			65			-		
	MST232-R1	-			62			68			67			-			-		
	MST232-R2	-			63			59			72			-			-		
	MST232-R3	-			64			57			72			-			-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Calcium

		1999												Filtered					
Station		**Filtered**			**Filtered**			**Unfiltered**			**Filtered**			**2000**			**2001**		
Name	**ID**	**Sept.**	**RL**	**Flag**	**Oct.**	**RL**	**Flag**	**Nov.**	**RL**	**Flag**	**Dec.**	**RL**	**Flag**	**May**	**RL**	**Flag**	**May**	**RL**	**Flag**
Meadow Creek, above Blackfoot Reservoir	MST235	-0.41	0.20	U	-			-			-			-			-		
Stewart Creek, above Diamond Creek	MST236-avg	52			-			-			-			58			-		
	MST236-R1	52			-			-			-			58			-		
	MST236-R2	51			-			-			-			57			-		
	MST236-R3	53			-			-			-			58			-		
Timber Creek, above Diamond Creek	MST237-avg	57			-			-			-			55			-		
	MST237-R1	58			-			-			-			55			-		
	MST237-R2	56			-			-			-			54			-		
	MST237-R3	56			-			-			-			57			-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Calcium

		Filtered														
Station		**2002**												**2003**		
Name	**ID**	**May**	**RL**	**Flag**	**July**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**Nov.**	**RL**	**Flag**	**Jan.**	**RL**	**Flag**
Henry Mine South Pit Overburden Dump Limestone Drain	MDS022-avg	130		J	-			130			-			-		
	MDS022-R1	120		J	-			-			-			-		
	MDS022-R2	130		J	-			-			-			-		
	MDS022-R3	130		J	-			-			-			-		
Enoch Valley Mine West Dump Seep	MDS025	250		J	-			-			-			-		
Enoch Valley Mine South Dump Seep	MDS026	160		J	-			250			-			-		
Reservoir Delta at Blackfoot River	MRV011	65		J	-			55			-			-		
Reservoir Delta at Little Blackfoot River	MRV016	130		J	-			-			-			-		
Reservoir Delta at Meadow Creek	MRV017-avg	46		J	-			38			-			-		
	MRV017-R1	-			-			38			-			-		
	MRV017-R2	-			-			38			-			-		
	MRV017-R3	-			-			38			-			-		
Enoch Valley Mine, Hedin Spring	MSG001	69		J	-			63			-			-		
Henry Mine, Taylor Spring	MSG002	-			-			-			-			-		
Ballard Mine, Garden Hose Spring	MSG003	140		J	-			140			-			-		
Ballard Mine, Holmgren Spring	MSG004	-			-			75			-			-		
Ballard Mine, Cattle Spring	MSG005	-			-			78			-			-		
Ballard Mine Dredge Pond	MSP010-avg	150		J	200			380			-			-		
	MSP010-R1	150		J	180			-			-			-		
	MSP010-R2	150		J	210			-			-			-		
	MSP010-R3	150		J	210			-			-			-		
Ballard Mine Upper Elk Pond	MSP011	28		J	-			-			-			-		
Ballard Mine Lower Elk Pond	MSP012	34		J	-			-			-			-		
Henry Mine Henry Pond	MSP014	130		J	-			230			-			-		
Henry Mine Smith Pond	MSP015	130		J	-			86			-			-		
Henry Mine Center Henry Pond	MSP016-avg	100		J	-			68			-			-		
	MSP016-R1	-			-			69			-			-		
	MSP016-R2	-			-			68			-			-		
	MSP016-R3	-			-			68			-			-		
Enoch Valley Mine South Pond	MSP017	220		J	-			320			-			-		
Enoch Valley Mine Keyhole Pond	MSP018	370		J	430			430			320			360		
Enoch Valley Mine Bat Cave Pond	MSP019	77		J	-			81			-			-		
Enoch Valley Mine West Pond	MSP020	88		J	-			190			-			-		
Enoch Valley Mine Stock Pond	MSP021-avg	200		J	-			230			-			-		
	MSP021-R1	200		J	-			-			-			-		
	MSP021-R2	200		J	-			-			-			-		
	MSP021-R3	190		J	-			-			-			-		
Enoch Valley Mine Tipple Pond	MSP022	140		J	-			270			-			-		
Enoch Valley Mine Haul Road Pond	MSP023	85		J	-			410			-			-		
Enoch Valley Mine Shop Pond	MSP031	47		J	-			67			-			-		
Henry Mine South Pit Pond	MSP055	67		J	320			-			-			-		
Ballard Mine Pit #4 Stock Pond	MSP059	12		J	-			-			-			-		
Blackfoot River, below Ballard Creek	MST019	79		J	26			35			59			62		
Blackfoot River, below State Land Creek	MST020	57		J	-			46			-			-		
Blackfoot River, below Trail Creek	MST021	57		J	-			41			-			-		
Blackfoot River, below Wooley Valley Creek	MST022	52		J	-			43			-			-		
Blackfoot River, below Dry Valley Creek	MST023	57		J	41			43			60			56		
Blackfoot River, above Dry Valley Creek	MST024	57		J	-			-			-			-		
Blackfoot River, below Wooley Range Ridge Creek	MST025	57		J	-			-			-			-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Calcium

		Filtered														
Station		**2002**												**2003**		
Name	**ID**	**May**	**RL**	**Flag**	**July**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**Nov.**	**RL**	**Flag**	**Jan.**	**RL**	**Flag**
Blackfoot River, above Wooley Range Ridge Creek	MST026-avg	56		J	-			-			-			-		
	MST026-R1	56		J	-			-			-			-		
	MST026-R2	57		J	-			-			-			-		
	MST026-R3	56		J	-			-			-			-		
Blackfoot River, below Angus Creek	MST027	56		J	-			46			-			-		
Blackfoot River, above Diamond Creek Rd.	MST028	55		J	-			51			-			-		
Blackfoot River, above Spring Creek	MST029-avg	57		J	-			-			-			-		
	MST029-R1	56		J	-			-			-			-		
	MST029-R2	57		J	-			-			-			-		
	MST029-R3	57		J	-			-			-			-		
Little Blackfoot River, below Long Valley Creek	MST043	78		J	-			-			-			-		
Little Blackfoot River, immediately below Henry Mine	MST044	77		J	-			-			-			-		
Little Blackfoot River, above Henry Creek	MST045	71		J	-			-			-			-		
Little Blackfoot River, below Lone Pine Creek	MST046	70		J	-			-			-			-		
Little Blackfoot River, above Lone Pine Creek	MST047	120		J	-			-			-			-		
Little Blackfoot River, below Reese Creek	MST048	50		J	-			-			-			-		
Little Blackfoot River, above Reese Creek	MST049-avg	42		J	-			37			-			-		
	MST049-R1	42		J	-			-			-			-		
	MST049-R2	42		J	-			-			-			-		
	MST049-R3	42		J	-			-			-			-		
Long Valley Creek, below Ballard Mine, (ponded area)	MST050	63		J	93			-			-			-		
Lone Pine Creek, above Little Blackfoot River	MST053	69		J	-			-			-			-		
Lone Pine Creek, above Spring-Fed Creek	MST054	62		J	-			-			-			-		
Lone Pine Creek, below Strip Mine Creek	MST055	60		J	-			-			-			-		
Lone Pine Creek, above Lone Pine Creek	MST057	68		J	-			70			60			69		
Lone Pine Creek, above West Fork Lone Pine Creek	MST058	-			-			91			-			-		
Strip Mine Creek, above Lone Pine Creek	MST062	60		J	-			-			-			-		
Strip Mine Creek, below Henry Mine	MST063	160		J	-			-			-			-		
West Fork Lone Pine Creek, above tributary	MST064	58		J	81			67			79			74		
Ballard Creek, above Blackfoot River	MST066	51		J	-			-			-			-		
Ballard Creek headwaters	MST067	300		J	-			-			-			-		
Short Creek, below Ballard Mine	MST069-avg	400		J	480			420			430			-		
	MST069-R1	410		J	-			-			-			-		
	MST069-R2	400		J	-			-			-			-		
	MST069-R3	390		J	-			-			-			-		
Wooley Valley Creek, below North Fork Wooley Valley Creek	MST089	49		J	-			-			-			-		
Wooley Valley Creek, above North Fork Wooley Valley Creek	MST090	65		J	-			-			-			-		
North Fork Wooley Valley Creek, above Wooley Valley Creek	MST092	40		J	-			-			-			-		
North Fork Wooley Valley Creek, above Ballard Mine	MST093	38		J	-			-			-			-		
Spring-fed trib. #1 of N. Fork Wooley Valley Cr., below Ballard Mine	MST094	33		J	-			-			-			-		
Spring-fed trib. #2 of N. Fork Wooley Valley Cr., below Ballard Mine	MST095	110		J	-			-			-			-		
Tributary of North Fork Wooley, below Ballard Mine	MST096	92		J	-			-			-			-		
Caldwell Creek, below Phosphoria Formation outcrop	MST101	41		J	-			71			-			-		
Angus Creek, above Blackfoot River	MST126-avg	58		J	-			60			-			-		
	MST126-R1	-			-			60			-			-		
	MST126-R2	-			-			59			-			-		
	MST126-R3	-			-			62			-			-		
Angus Creek, below No Name Creek	MST127	62		J	-			68			-			-		
Angus Creek, above Rasmussen Creek	MST128	56		J	-			70			-			-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Calcium

		Filtered														
Station		**2002**												**2003**		
Name	**ID**	**May**	**RL**	**Flag**	**July**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**Nov.**	**RL**	**Flag**	**Jan.**	**RL**	**Flag**
Angus Creek, below Wooley Valley Mine	MST129	65		J	-			-			-			-		
Angus Creek, below Upper Angus Creek Reservoir	MST130-avg	120		J	-			-			-			-		
	MST130-R1	130		J	-			-			-			-		
	MST130-R2	120		J	-			-			-			-		
	MST130-R3	120		J	-			-			-			-		
Rassmussen Creek, above Angus Creek	MST131	52		J	56			51			-			50		
Angus Creek, below Rasmussen Creek	MST132	64		J	-			64			-			-		
Rasmussen Creek, below Enoch Valley Mine	MST133	32		J	-			-			-			-		
Rasmussen Creek, below West Pond Creek	MST134	41		J	-			-			-			-		
Rasmussen Creek, above West Pond Creek	MST135	9.6		J	-			-			-			-		
Rasmussen Creek headwaters, near Enoch Valley Mine Shop Pond	MST136	140		J	-			-			-			-		
East Fork Rasmussen Creek, above Rasmussen Creek	MST143	69		J	-			-			-			-		
East Fork Lone Pine Creek, below Wooley Valley Mine	MST226	21		J	-			-			-			-		
Blackfoot River, below Spring Creek	MST229	54		J	-			-			-			-		
Blackfoot River, above State Land Creek	MST230	72		J	-			-			-			-		
Blackfoot River, below Woodall Mountain Creek	MST231	64		J	-			60			-			-		
Blackfoot River, above Blackfoot Reservoir	MST232-avg	63		J	-			57			-			-		
	MST232-R1	-			-			57			-			-		
	MST232-R2	-			-			58			-			-		
	MST232-R3	-			-			57			-			-		
Little Blackfoot River, above Blackfoot Reservoir	MST234-avg	130		J	140			130			140			140		
	MST234-R1	-			140			-			-			-		
	MST234-R2	-			140			-			-			-		
	MST234-R3	-			140			-			-			-		
Meadow Creek, above Blackfoot Reservoir	MST235	48		J	-			32			-			-		
Stewart Creek, above Diamond Creek	MST236	-			-			50			-			-		
Timber Creek, above Diamond Creek	MST237-avg	58		J	-			52			-			-		
	MST237-R1	58		J	-			52			-			-		
	MST237-R2	58		J	-			52			-			-		
	MST237-R3	57		J	-			53			-			-		
Little Blackfoot River, upstream of Henry cutoff road	MST254	33		J	-			-			-			-		
East Fork Rasmussen Creek headwaters	MST269	-			-			48			-			-		
Wooley Valley Creek, above Loadout Creek at road	MST272	59		J	-			-			-			-		
Wooley Valley Creek, above ponding and below MST089	MST273	65		J	-			-			-			-		
West Fork Rasmussen Creek, above Rasmussen Creek	MST274	63		J	-			62			-			-		
N. Fork Lone Pine Creek, NE and above East Fork Lone Pine Creek	MST275	-			-			49			-			-		
Tributary to West Fork Lone Pine Creek, above West Fork Lone Pine Creek	MST276-avg	69		J	-			77			79			71		
	MST276-R1	-			-			-			77			72		
	MST276-R2	-			-			-			77			71		
	MST276-R3	-			-			-			82			70		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Calcium																
		Filtered														
Station		2003														
Name	ID	March	RL	Flag	April	RL	Flag	May	RL	Flag	June	RL	Flag	July	RL	Flag
Ballard Mine Dredge Pond	MSP010-avg	-			170			160			240			270		
	MSP010-R1	-			170			170			-			-		
	MSP010-R2	-			170			160			-			-		
	MSP010-R3	-			170			160			-			-		
Enoch Valley Mine Keyhole Pond	MSP018	-			310			350			390			420		
Henry Mine South Pit Pond	MSP055	-			110			140			290			370		
Blackfoot River, below Ballard Creek	MST019	59			43			56			46			28		
Blackfoot River, below Dry Valley Creek	MST023	60			40			54			55			48		
Long Valley Creek, below Ballard Mine, (ponded area)	MST050	-			50			19			35			49		
Lone Pine Creek, above Lone Pine Creek	MST057	61			58			63			79			82		
Lone Pine Creek, above West Fork Lone Pine Creek	MST058	-			-			64			-			-		
West Fork Lone Pine Creek, above tributary	MST064	65			70			72			75			80		
Ballard Creek headwaters	MST067	-			260			250			-			-		
Short Creek, below Ballard Mine	MST069	-			340			380			430			470		
Wooley Valley Creek, below North Fork Wooley Valley Creek	MST089	-			34			42			-			-		
Spring-fed trib. #1 of N. Fork Wooley Valley Cr., below Ballard Mine	MST094	-			41			-			-			-		
Spring-fed trib. #2 of N. Fork Wooley Valley Cr., below Ballard Mine	MST095	-			150			120			-			-		
Rassmussen Creek, above Angus Creek	MST131	49			33			48			53			59		
Rasmussen Creek headwaters, near Enoch Valley Mine Shop Pond	MST136-avg	-			130			130			-			-		
	MST136-R1	-			130			-			-			-		
	MST136-R2	-			130			-			-			-		
	MST136-R3	-			130			-			-			-		
Little Blackfoot River, above Blackfoot Reservoir	MST234-avg	150			130			120			140			150		
	MST234-R1	-			-			-			140			150		
	MST234-R2	-			-			-			140			150		
	MST234-R3	-			-			-			140			150		
Tributary to West Fork Lone Pine Creek, above West Fork Lone Pine Creek	MST276-avg	60			57			62			82			84		
	MST276-R1	61			-			-			-			86		
	MST276-R2	60			-			-			-			84		
	MST276-R3	60			-			-			-			83		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Chloride																			
		Unfiltered																	
Station		1998						1999											
Name	ID	May	RL	Flag	Sept.	RL	Flag	May	RL	Flag	June	RL	Flag	July	RL	Flag	Aug.	RL	Flag
Henry Mine South Pit Overburden Dump Limestone Drain	MDS022	4.4			4.2			-			-			-			-		
Enoch Valley Shop/Office Well	MPW019	5.7			5.0			-			-			-			-		
Ballard Mine Upper Elk Pond	MSP011	0.55			-			-			-			-			-		
Blackfoot River, below Ballard Creek	MST019	2.3			3.0			2.0			-			-			-		
Blackfoot River, below State Land Creek	MST020	2.4			3.0			1.7			-			-			-		
Blackfoot River, below Wooley Valley Creek	MST022	1.9			2.5			1.7			-			-			-		
Blackfoot River, below Dry Valley Creek	MST023	2.2			2.1			1.5			-			-			-		
Blackfoot River, above Dry Valley Creek	MST024	2.2			2.0			1.2			-			-			-		
Blackfoot River, above Wooley Range Ridge Creek	MST026-avg	1.3			1.9			1.4			-			-			-		
	MST026-R1	-			-			1.4			-			-			-		
	MST026-R2	-			-			1.4			-			-			-		
	MST026-R3	-			-			1.4			-			-			-		
Blackfoot River, above Spring Creek	MST029	1.1			1.9			1.3			-			-			-		
Little Blackfoot River, below Long Valley Creek	MST043	18			28			-			-			-			-		
Little Blackfoot River, immediately below Henry Mine	MST044-avg	22			65			-			-			-			-		
	MST044-R0	24			-			-			-			-			-		
	MST044-R1	22			-			-			-			-			-		
	MST044-R2	22			-			-			-			-			-		
	MST044-R3	22			-			-			-			-			-		
	MST044-R4	22			-			-			-			-			-		
Little Blackfoot River, below Lone Pine Creek	MST046-avg	10			26			-			-			-			-		
	MST046	-			26			-			-			-			-		
	MST046-D	-			25			-			-			-			-		
Little Blackfoot River, above Lone Pine Creek	MST047	2.3			29			-			-			-			-		
Little Blackfoot River, below Reese Creek	MST048	-			2.9			-			-			-			-		
Little Blackfoot River, above Reese Creek	MST049	2.4			3.6			-			-			-			-		
Caldwell Creek, below Phosphoria Formation outcrop	MST101	6.2			7.7			-			-			-			-		
Angus Creek, below Wooley Valley Mine	MST129-avg	5.5			4.3			-			-			-			-		
	MST129	5.4			-			-			-			-			-		
	MST129-D	5.5			-			-			-			-			-		
Rassmussen Creek, above Angus Creek	MST131	8.8			6.2			-			-			-			-		
Angus Creek, below Rasmussen Creek	MST132	5.4			4.5			-			-			-			-		
Blackfoot River, below Spring Creek	MST229	-			-			1.3			-			-			-		
Blackfoot River, above Blackfoot Reservoir	MST232-avg	-			-			2.3			2.4			3.2			3.3		
	MST232	-			-			2.2			-			-			3.2		
	MST232-D	-			-			2.3			-			-			3.3		
	MST232-R1	-			-			-			2.5			3.2			-		
	MST232-R2	-			-			-			2.4			3.2			-		
	MST232-R3	-			-			-			2.4			-			-		
	MST232-R3-D	-			-			-			2.3			-			-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Chloride																			
		Unfiltered												Filtered					
Station		1999												2000			2001		
Name	ID	Sept.	RL	Flag	Oct.	RL	Flag	Nov.	RL	Flag	Dec.	RL	Flag	May	RL	Flag	May	RL	Flag
Henry Mine South Pit Overburden Dump Limestone Drain	MDS022	-			-			-			-			-			3.3	12	U
Enoch Valley Mine West Dump Seep	MDS025	-			-			-			-			-			5.0	12	U
Enoch Valley Mine South Dump Seep	MDS026-avg	-			-			-			-			-			7.4	12	U
	MDS026	-			-			-			-			-			7.5	12	U
	MDS026-D	-			-			-			-			-			7.3	12	U
Upper Blackfoot Reservoir	MRV001-avg	6.6			-			-			-			7.0			-		
	MRV001	6.6			-			-			-			-			-		
	MRV001-D	6.6			-			-			-			-			-		
Upper Blackfoot Reservoir	MRV002-avg	7.6			-			-			-			7.3			-		
	MRV002-R1	8.9			-			-			-			8.0			-		
	MRV002-R1-D	-			-			-			-			8.0			-		
	MRV002-R2	7.1			-			-			-			7.0			-		
	MRV002-R3	6.7			-			-			-			7.0			-		
	MRV002-R3-D	6.8			-			-			-			-			-		
Upper Blackfoot Reservoir	MRV003	7.8			-			-			-			7.4			-		
Upper Blackfoot Reservoir	MRV004	7.0			-			-			-			8.0			-		
Upper Blackfoot Reservoir	MRV005	7.0			-			-			-			8.0			-		
Lower Blackfoot Reservoir	MRV006	7.0			-			-			-			8.9			-		
Lower Blackfoot Reservoir	MRV007-avg	8.8			-			-			-			9.3			-		
	MRV007-R1	8.6			-			-			-			9.3			-		
	MRV007-R1-D	-			-			-			-			9.2			-		
	MRV007-R2	9.7			-			-			-			9.2			-		
	MRV007-R3	8.0			-			-			-			9.3			-		
Lower Blackfoot Reservoir	MRV008-avg	8.4			-			-			-			9.9			-		
	MRV008	8.4			-			-			-			-			-		
	MRV008-D	8.4			-			-			-			-			-		
Lower Blackfoot Reservoir	MRV009	9.2			-			-			-			9.9			-		
Lower Blackfoot Reservoir	MRV010	7.4			-			-			-			8.5			-		
Reservoir Delta at Blackfoot River	MRV011-avg	3.2			-			-			-			-			-		
	MRV011-R1	3.0			-			-			-			-			-		
	MRV011-R1-D	3.4			-			-			-			-			-		
	MRV011-R2	3.2			-			-			-			-			-		
	MRV011-R3	3.3			-			-			-			-			-		
Ballard Mine Dredge Pond	MSP010	-			-			-			-			-			3.1	12	U
Ballard Mine Upper Elk Pond	MSP011-avg	-			-			-			-			-			0.99	12	U
	MSP011	-			-			-			-			-			1.0	12	U
	MSP011-D	-			-			-			-			-			0.98	12	U
Ballard Mine Lower Elk Pond	MSP012	-			-			-			-			-			1.1	12	U
Henry Mine Henry Pond	MSP014	-			-			-			-			-			5.1	12	U
Henry Mine Smith Pond	MSP015	-			-			-			-			-			4.9	12	U
Henry Mine Center Henry Pond	MSP016	-			-			-			-			-			6.5	12	U
Enoch Valley Mine South Pond	MSP017	-			-			-			-			-			49		
Enoch Valley Mine Keyhole Pond	MSP018	-			-			-			-			-			3.8	12	U
Enoch Valley Mine Bat Cave Pond	MSP019	-			-			-			-			-			3.6	12	U
Enoch Valley Mine West Pond	MSP020	-			-			-			-			-			3.5	12	U
Enoch Valley Mine Stock Pond	MSP021	-			-			-			-			-			29		
Enoch Valley Mine Tipple Pond	MSP022	-			-			-			-			-			140		
Enoch Valley Mine Haul Road Pond	MSP023	-			-			-			-			-			210		
Enoch Valley Mine Shop Pond	MSP031-avg	-			-			-			-			-			210		
	MSP031	-			-			-			-			-			210		
	MSP031-D	-			-			-			-			-			200		
Henry Mine South Pit Pond	MSP055	-			-			-			-			-			1.7	12	U
Ballard Mine Pit #4 Stock Pond	MSP059	-			-			-			-			-			1.5	12	U

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Chloride

		Unfiltered												Filtered					
Station		**1999**												**2000**			**2001**		
Name	**ID**	**Sept.**	**RL**	**Flag**	**Oct.**	**RL**	**Flag**	**Nov.**	**RL**	**Flag**	**Dec.**	**RL**	**Flag**	**May**	**RL**	**Flag**	**May**	**RL**	**Flag**
Blackfoot River, below Ballard Creek	MST019-avg	2.7			-			-			-			2.5			-		
	MST019	-			-			-			-			2.5			-		
	MST019-D	-			-			-			-			2.5			-		
Blackfoot River, below State Land Creek	MST020-avg	2.8			-			-			-			2.4			-		
	MST020	2.8			-			-			-			-			-		
	MST020-D	2.7			-			-			-			-			-		
Blackfoot River, below Trail Creek	MST021	2.6			-			-			-			2.3			-		
Blackfoot River, below Wooley Valley Creek	MST022	-			-			-			-			2.1			-		
Blackfoot River, below Dry Valley Creek	MST023	2.1			-			-			-			1.8			-		
Blackfoot River, above Dry Valley Creek	MST024	1.9			-			-			-			1.8			-		
Blackfoot River, above Wooley Range Ridge Creek	MST026-avg	1.9			-			-			-			1.7			-		
	MST026-R1	2.0			-			-			-			1.7			-		
	MST026-R1-D	2.0			-			-			-			1.7			-		
	MST026-R2	1.9			-			-			-			1.7			-		
	MST026-R3	1.9			-			-			-			1.6			-		
Blackfoot River, below Angus Creek	MST027-avg	1.7			-			-			-			1.6			-		
	MST027	-			-			-			-			1.6			-		
	MST027-D	-			-			-			-			1.6			-		
Blackfoot River, above Diamond Creek Rd.	MST028	1.9			-			-			-			1.5			-		
Blackfoot River, above Spring Creek	MST029	1.6			-			-			-			1.6			-		
Little Blackfoot River, below Long Valley Creek	MST043-avg	37			-			-			-			36			-		
	MST043-R1	-			-			-			-			36			-		
	MST043-R2	-			-			-			-			35			-		
	MST043-R3	-			-			-			-			36			-		
Little Blackfoot River, above Reese Creek	MST049-avg	2.5			-			-			-			2.5			-		
	MST049	-			-			-			-			2.5			-		
	MST049-D	-			-			-			-			2.5			-		
Lone Pine Creek, above Spring-Fed Creek	MST054	6.3			-			-			-			4.1			-		
Wooley Valley Creek, above Blackfoot River	MST088	3.5			-			-			-			3.5			-		
Spring-fed trib. #2 of N. Fork Wooley Valley Cr., below Ballard Mine	MST095	-			-			-			-			2.6			-		
Tributary of North Fork Wooley, below Ballard Mine	MST096	-			-			-			-			2.8			-		
Caldwell Creek, below Phosphoria Formation outcrop	MST101-avg	7.6			-			-			-			6.6			-		
	MST101-R1	7.5			-			-			-			6.6			-		
	MST101-R2	7.6			-			-			-			6.5			-		
	MST101-R2-D	-			-			-			-			6.6			-		
	MST101-R3	7.6			-			-			-			6.6			-		
Angus Creek, below No Name Creek	MST127-avg	4.0			-			-			-			6.0			-		
	MST127	-			-			-			-			6.0			-		
	MST127-D	-			-			-			-			6.0			-		
Angus Creek, below Wooley Valley Mine	MST129	3.7			-			-			-			5.2			-		
Angus Creek, below Upper Angus Creek Reservoir	MST130	2.4			-			-			-			2.2			-		
Rasmussen Creek, below Enoch Valley Mine	MST133	4.7			-			-			-			9.9			-		
East Fork Rasmussen Creek, above Rasmussen Creek	MST143	-			-			-			-			44			-		
East Fork Lone Pine Creek, below Wooley Valley Mine	MST226	-			-			-			-			1.8			-		
Blackfoot River, below Spring Creek	MST229-avg	1.8			-			-			-			1.5			-		
	MST229-R1	1.7			-'			-'			-'			1.5			-'		
	MST229-R2	2.0			-			-			-			1.5			-		
	MST229-R3	1.6			-			-			-			1.5			-		
Blackfoot River, above State Land Creek	MST230	2.8			-			-			-			2.3			-		
Blackfoot River, above Blackfoot Reservoir	MST232-avg	3.0			2.4			3.6			3.3			2.4			-		
	MST232-R1	-			2.7			4.2			3.4			-			-		
	MST232-R1-D	-			2.7			-			-			-			-		
	MST232-R2	-			2.1			3.3			3.4			-			-		
	MST232-R3	-			2.3			3.2			3.2			-			-		
Meadow Creek, above Blackfoot Reservoir	MST235	16			-			-			-			8.4			-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Chloride

		Unfiltered												Filtered					
Station		**1999**												**2000**			**2001**		
Name	**ID**	**Sept.**	**RL**	**Flag**	**Oct.**	**RL**	**Flag**	**Nov.**	**RL**	**Flag**	**Dec.**	**RL**	**Flag**	**May**	**RL**	**Flag**	**May**	**RL**	**Flag**
Stewart Creek, above Diamond Creek	MST236-avg	0.91			-			-			-			1.4			-		
	MST236-R1	0.84			-			-			-			1.4			-		
	MST236-R2	0.97			-			-			-			1.5			-		
	MST236-R2-D	-			-			-			-			1.5			-		
	MST236-R3	0.93			-			-			-			1.4			-		
Timber Creek, above Diamond Creek	MST237-avg	1.6			-			-			-			0.84			-		
	MST237-R1	1.6			-			-			-			0.84			-		
	MST237-R1-D	-			-			-			-			0.78			-		
	MST237-R2	1.6			-			-			-			0.83			-		
	MST237-R3	1.6			-			-			-			0.89			-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Chloride							
		Filtered					
Station		2002					
Name	ID	May	RL	Flag	Sept.	RL	Flag
Henry Mine South Pit Overburden Dump Limestone Drain	MDS022-avg	13		J	7.0		
	MDS022-R1	29		J	-		
	MDS022-R2	4.7		J	-		
	MDS022-R3	4.5		J	-		
Enoch Valley Mine West Dump Seep	MDS025	4.6		J	-		
Enoch Valley Mine South Dump Seep	MDS026	5.5		J	21		
Reservoir Delta at Blackfoot River	MRV011	2.8		J	4.1		
Reservoir Delta at Little Blackfoot River	MRV016	20		J	-		
Reservoir Delta at Meadow Creek	MRV017-avg	15		J	23		
	MRV017-R1	-			26		
	MRV017-R2	-			26		
	MRV017-R3	-			18		
Enoch Valley Mine, Hedin Spring	MSG001	11		J	11		
Ballard Mine, Garden Hose Spring	MSG003	4.2		J	5.0		
Ballard Mine, Holmgren Spring	MSG004	-			0		
Ballard Mine, Cattle Spring	MSG005	-			3.1		
Ballard Mine Dredge Pond	MSP010-avg	1.7		J	30		
	MSP010-R1	1.7		J	-		
	MSP010-R2	1.8		J	-		
	MSP010-R3	1.7		J	-		
Ballard Mine Upper Elk Pond	MSP011	1.2		J	-		
Ballard Mine Lower Elk Pond	MSP012	0.80		J	-		
Henry Mine Henry Pond	MSP014	3.5		J	11		
Henry Mine Smith Pond	MSP015	4.0		J	6.0		
Henry Mine Center Henry Pond	MSP016-avg	4.6		J	18		
	MSP016-R1	-			19		
	MSP016-R2	-			18		
	MSP016-R3	-			16		
Enoch Valley Mine South Pond	MSP017	14		J	90		
Enoch Valley Mine Keyhole Pond	MSP018	0.55		J	4.0		
Enoch Valley Mine Bat Cave Pond	MSP019	3.2		J	12		
Enoch Valley Mine West Pond	MSP020	5.7		J	11		
Enoch Valley Mine Stock Pond	MSP021-avg	15		J	-		
	MSP021-R1	15		J	-		
	MSP021-R2	15		J	-		
	MSP021-R3	15		J	-		
Enoch Valley Mine Tipple Pond	MSP022	160		J	600		
Enoch Valley Mine Haul Road Pond	MSP023	130		J	1200		
Enoch Valley Mine Shop Pond	MSP031	120		J	240		
Henry Mine South Pit Pond	MSP055	0.90		J	-		
Ballard Mine Pit #4 Stock Pond	MSP059	0.60		J	-		
Blackfoot River, below Ballard Creek	MST019	3.5		J	2.1		
Blackfoot River, below State Land Creek	MST020	2.5		J	4.1		
Blackfoot River, below Trail Creek	MST021	2.5		J	2.5		
Blackfoot River, below Wooley Valley Creek	MST022	2.3		J	1.9		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Chloride							
		Filtered					
Station		2002					
Name	ID	May	RL	Flag	Sept.	RL	Flag
Blackfoot River, below Dry Valley Creek	MST023	2.4		J	1.8		
Blackfoot River, above Dry Valley Creek	MST024	2.2		J	-		
Blackfoot River, below Wooley Range Ridge Creek	MST025	2.1		J	-		
Blackfoot River, above Wooley Range Ridge Creek	MST026-avg	2.2		J	-		
	MST026-R1	2.2		J	-		
	MST026-R2	2.2		J	-		
	MST026-R3	2.2		J	-		
Blackfoot River, below Angus Creek	MST027	2.3		J	1.8		
Blackfoot River, above Diamond Creek Rd.	MST028	1.9		J	2.2		
Blackfoot River, above Spring Creek	MST029-avg	1.9		J	-		
	MST029-R1	1.8		J	-		
	MST029-R2	1.8		J	-		
	MST029-R3	2.0		J	-		
Little Blackfoot River, below Long Valley Creek	MST043	54		J	-		
Little Blackfoot River, immediately below Henry Mine	MST044	50		J	-		
Little Blackfoot River, above Henry Creek	MST045	57		J	-		
Little Blackfoot River, below Lone Pine Creek	MST046	12		J	-		
Little Blackfoot River, above Lone Pine Creek	MST047	99		J	-		
Little Blackfoot River, below Reese Creek	MST048	2.9		J	-		
Little Blackfoot River, above Reese Creek	MST049-avg	3.9		J	5.2		
	MST049-R1	3.8		J	-		
	MST049-R2	3.9		J	-		
	MST049-R3	4.0		J	-		
Long Valley Creek, below Ballard Mine, (ponded area)	MST050	4.5		J	-		
Lone Pine Creek, above Little Blackfoot River	MST053	9.5		J	-		
Lone Pine Creek, above Spring-Fed Creek	MST054	7.4		J	-		
Lone Pine Creek, below Strip Mine Creek	MST055	7.9		J	-		
Lone Pine Creek, above Lone Pine Creek	MST057	3.5		J	5.1		
Lone Pine Creek, above West Fork Lone Pine Creek	MST058	-			7.0		
Strip Mine Creek, above Lone Pine Creek	MST062	8.3		J	-		
Strip Mine Creek, below Henry Mine	MST063	10		J	-		
West Fork Lone Pine Creek, above tributary	MST064	4.0		J	4.4		
Ballard Creek, above Blackfoot River	MST066	5.9		J	-		
Ballard Creek headwaters	MST067	6.2		J	-		
Short Creek, below Ballard Mine	MST069-avg	12		J	20		
	MST069-R1	12		J	-		
	MST069-R2	12		J	-		
	MST069-R3	12		J	-		
Wooley Valley Creek, above Blackfoot River	MST088	-			-		
Wooley Valley Creek, below North Fork Wooley Valley Creek	MST089	9.0		J	-		
Wooley Valley Creek, above North Fork Wooley Valley Creek	MST090	6.1		J	-		
North Fork Wooley Valley Creek, above Wooley Valley Creek	MST092	5.7		J	-		
North Fork Wooley Valley Creek, above Ballard Mine	MST093	8.4		J	-		
Spring-fed trib. #1 of N. Fork Wooley Valley Cr., below Ballard Mine	MST094	1.8		J	-		
Spring-fed trib. #2 of N. Fork Wooley Valley Cr., below Ballard Mine	MST095	3.5		J	-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Chloride							
		Filtered					
Station		2002					
Name	ID	May	RL	Flag	Sept.	RL	Flag
Tributary of North Fork Wooley, below Ballard Mine	MST096	3.9		J	-		
Caldwell Creek, below Phosphoria Formation outcrop	MST101	5.4		J	11		
Angus Creek, above Blackfoot River	MST126-avg	7.2		J	10		
	MST126-R1	-			10		
	MST126-R2	-			10		
	MST126-R3	-			10		
Angus Creek, below No Name Creek	MST127	7.6		J	6.6		
Angus Creek, above Rasmussen Creek	MST128	3.3		J	6.7		
Angus Creek, below Wooley Valley Mine	MST129	6.9		J	-		
Angus Creek, below Upper Angus Creek Reservoir	MST130-avg	2.9		J	-		
	MST130-R1	3.0		J	-		
	MST130-R2	2.8		J	-		
	MST130-R3	2.9		J	-		
Rassmussen Creek, above Angus Creek	MST131	4.5		J	6.2		
Angus Creek, below Rasmussen Creek	MST132	4.3		J	6.4		
Rasmussen Creek, below Enoch Valley Mine	MST133	4.1		J	-		
Rasmussen Creek, below West Pond Creek	MST134	3.9		J	-		
Rasmussen Creek, above West Pond Creek	MST135	3.7		J	-		
Rasmussen Creek headwaters, near Enoch Valley Mine Shop Pond	MST136	3.5		J	-		
East Fork Rasmussen Creek, above Rasmussen Creek	MST143	48		J	-		
East Fork Lone Pine Creek, below Wooley Valley Mine	MST226	2.6		J	-		
Blackfoot River, below Spring Creek	MST229	1.7		J	-		
Blackfoot River, above State Land Creek	MST230	2.6		J	-		
Blackfoot River, below Woodall Mountain Creek	MST231	2.7		J	4.2		
Blackfoot River, above Blackfoot Reservoir	MST232-avg	2.8		J	3.4		
	MST232-R1	-			3.4		
	MST232-R2	-			3.4		
	MST232-R3	-			3.4		
Little Blackfoot River, above Blackfoot Reservoir	MST234	4.5		J	12		
Meadow Creek, above Blackfoot Reservoir	MST235	12		J	17		
Stewart Creek, above Diamond Creek	MST236	-			1.0		
Timber Creek, above Diamond Creek	MST237-avg	1.4	1.2<x<1.4	UJ	1.5		
	MST237-R1	1.8			1.5		
	MST237-R2	1.9			1.5		
	MST237-R3	0.40	0.50	UJ	1.4		
Little Blackfoot River, upstream of Henry cutoff road	MST254	3.9		J	-		
East Fork Rasmussen Creek headwaters	MST269	-			280		
Wooley Valley Creek, above Loadout Creek at road	MST272	6.1		J	-		
Wooley Valley Creek, above ponding and below MST089	MST273	7.5		J	-		
West Fork Rasmussen Creek, above Rasmussen Creek	MST274	18		J	13		
N. Lone Pine Creek, NE and above E. Fork Lone Pine Creek	MST275	-			83		
Tributary to West Fork Lone Pine Creek, above West Fork Lone Pine Creek	MST276	3.3		J	5.3		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Iron

		Unfiltered						1999					
Station		1998						Unfiltered			Unfiltered		
Name	ID	May	RL	Flag	Sept.	RL	Flag	May	RL	Flag	June	RL	Flag
Henry Mine South Pit Overburden Dump Limestone Drain	MDS022	0.38			-0.055	0.0015	U	-			-		
Enoch Valley Shop/Office Well	MPW019	0.0073			0.22			-			-		
Ballard Mine Upper Elk Pond	MSP011	0.0082			-			-			-		
Blackfoot River, below Ballard Creek	MST019	0.26			0.025			-0.026	0.0053	U	-		
Blackfoot River, below State Land Creek	MST020	0.33			0.027			0.068			-		
Blackfoot River, below Wooley Valley Creek	MST022-avg	0.052	0.056<x<0.070		-0.018	0.0015	U	-0.028	0.0053	U	-		
	MST022-R0	0.097			-			-			-		
	MST022-R1	0.079			-0.020	0.0015	U	-			-		
	MST022-R2	0.028			-0.016	0.0015	U	-			-		
	MST022-R3	0.079			-0.019	0.0015	U	-			-		
	MST022-R4	-0.022	0.0015	U	-			-			-		
Blackfoot River, below Dry Valley Creek	MST023-avg	0.14			-0.035	0.0015	U	0.18			-		
	MST023-R1	-			-0.035	0.0015	U	-			-		
	MST023-R2	-			-0.036	0.0015	U	-			-'		
	MST023-R3	-			-0.033	0.0015	U	-			-		
Blackfoot River, above Dry Valley Creek	MST024	0.18			-0.00090	0.0015	U	0.25			-		
Blackfoot River, above Wooley Range Ridge Creek	MST026-avg	-0.034	0.0015	U	-0.032	0.0015	U	-0.025	0.0053	U	-		
	MST026-R1	-			-			-0.020	0.0053	U	-		
	MST026-R2	-			-			-0.028	0.0053	U	-		
	MST026-R3	-			-			-0.026	0.0053	U	-		
Blackfoot River, above Spring Creek	MST029-avg	0.15			0.33			0.0023	0.0053	U	-		
	MST029	-			0.32			-			-		
	MST029-D	-			0.33			-			-		
Little Blackfoot River, below Long Valley Creek	MST043	0.028			-0.092	0.0015	U	-			-		
Little Blackfoot River, immediately below Henry Mine	MST044-avg	0.049			-0.040	0.0015	U	-			-		
	MST044-R0	0.046			-		U	-			-		
	MST044-R1	0.051			-0.039	0.0015	U	-			-		
	MST044-R1-D	-			-0.038	0.0015	U	-			-		
	MST044-R2	0.048			-0.039	0.0015	U	-			-		
	MST044-R3	0.052			-0.044	0.0015	U	-			-		
	MST044-R4	0.051			-0.042	0.0015	U	-			-		
Little Blackfoot River, below Lone Pine Creek	MST046-avg	0.049			0.087			-			-		
	MST046	0.050			-			-			-		
	MST046-D	0.049			-			-			-		
Little Blackfoot River, above Lone Pine Creek	MST047	-0.00020	0.0015	U	-0.019	0.0015	U	-			-		
Little Blackfoot River, below Reese Creek	MST048-avg	0.060			0.084			-			-		
	MST048-R0	0.11			-			-			-		
	MST048-R1	0.11			0.10			-			-		
	MST048-R1-D	0.11			-			-			-		
	MST048-R2	0.11			0.10			-			-		
	MST048-R3	0.013			0.051			-			-		
	MST048-R3-D	0.014			-			-			-		
	MST048-R4	-0.048	0.0015	U	-			-			-		
Little Blackfoot River, above Reese Creek	MST049-avg	0.052	0.057<x<0.057	U	0.20			-			-		
	MST049-R0	0.063			-			-			-		
	MST049-R1	-0.024	0.0015	U	0.24			-			-		
	MST049-R2	0.074			0.13			-			-		
	MST049-R3	0.073			0.23			-			-		
	MST049-R4	0.074			-			-			-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Iron													
		Unfiltered						1999					
Station		1998						Unfiltered			Unfiltered		
Name	ID	May	RL	Flag	Sept.	RL	Flag	May	RL	Flag	June	RL	Flag
Caldwell Creek, below Phosphoria Formation outcrop	MST101-avg	0.031	0.037<x<0.19	U	0.026	0.036<x<0.053	U	-			-		
	MST101-R0	-0.0094	0.0015	U	-			-			-		
	MST101-R1	-0.0080	0.0015	U	-0.028	0.0015	U	-			-		
	MST101-R1-D	-			-0.028	0.0015	U	-			-		
	MST101-R2	0.19			0.099			-			-		
	MST101-R3	-0.0059	0.0015	U	0.0076			-			-		
	MST101-R4	-0.010	0.0015	U	-			-			-		
Angus Creek, below Wooley Valley Mine	MST129-avg	0.11			0.20			-			-		
	MST129	-			0.20			-			-		
	MST129-D	-			0.20			-			-		
Rassmussen Creek, above Angus Creek	MST131	0.43			0.18			-			-		
Angus Creek, below Rasmussen Creek	MST132	0.28			0.19			-			-		
Blackfoot River, below Spring Creek	MST229	-			-			0.19			-		
Blackfoot River, above Blackfoot Reservoir	MST232-avg	-			-			0.34			0.011	0.024<x<0.027	U
	MST232-R1	-			-			-			-0.024	0.0053	U
	MST232-R2	-			-			-			-0.015	0.0053	U
	MST232-R3	-			-			-			0.066		
	MST232-R3-D	-			-			-			0.075		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Iron

		1999																	
Station		**Unfiltered**			**Unfiltered**			**Filtered**			**Filtered**			**Unfiltered**			**Filtered**		
Name	**ID**	**July**	**RL**	**Flag**	**Aug.**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**Oct.**	**RL**	**Flag**	**Nov.**	**RL**	**Flag**	**Dec.**	**RL**	**Flag**
Upper Blackfoot Reservoir	MRV001	-			-			0.074			-			-			-		
Upper Blackfoot Reservoir	MRV002-avg	-			-			0.081			-			-			-		
	MRV002-R1	-			-			0.078			-			-			-		
	MRV002-R2	-			-			0.085			-			-			-		
	MRV002-R3	-			-			0.081			-			-			-		
Upper Blackfoot Reservoir	MRV003	-			-			0.064			-			-			-		
Upper Blackfoot Reservoir	MRV004	-			-			0.088			-			-			-		
Upper Blackfoot Reservoir	MRV005	-			-			0.069			-			-			-		
Lower Blackfoot Reservoir	MRV006	-			-			0.070			-			-			-		
Lower Blackfoot Reservoir	MRV007-avg	-			-			0.064			-			-			-		
	MRV007-R1	-			-			0.067			-			-			-		
	MRV007-R2	-			-			0.064			-			-			-		
	MRV007-R3	-			-			0.062			-			-			-		
Lower Blackfoot Reservoir	MRV008	-			-			0.065			-			-			-		
Lower Blackfoot Reservoir	MRV009	-			-			0.079			-			-			-		
Lower Blackfoot Reservoir	MRV010	-			-			0.076			-			-			-		
Reservoir Delta at Blackfoot River	MRV011-avg	-			-			0.092			-			-			-		
	MRV011-R1	-			-			0.092			-			-			-		
	MRV011-R1-D	-			-			0.094			-			-			-		
	MRV011-R1-D	-			-			0.082			-			-			-		
	MRV011-R2	-			-			0.087			-			-			-		
	MRV011-R3	-			-			0.10			-			-			-		
	MRV011-R3-D	-			-			0.10			-			-			-		
Blackfoot River, below Ballard Creek	MST019	-			-			0.15			-			-			-		
Blackfoot River, below State Land Creek	MST020	-			-			0.15			-			-			-		
Blackfoot River, below Trail Creek	MST021	-			-			0.061			-			-			-		
Blackfoot River, below Dry Valley Creek	MST023	-			-			0.084			-			-			-		
Blackfoot River, above Dry Valley Creek	MST024	-			-			0.073			-			-			-		
Blackfoot River, above Wooley Range Ridge Creek	MST026-avg	-			-			0.080			-			-			-		
	MST026-R1	-			-			0.082			-			-			-		
	MST026-R2	-			-			0.077			-			-			-		
	MST026-R3	-			-			0.081			-			-			-		
Blackfoot River, below Angus Creek	MST027	-			-			0.083			-			-			-		
Blackfoot River, above Diamond Creek Rd.	MST028	-			-			0.16			-			-			-		
Blackfoot River, above Spring Creek	MST029	-			-			0.085			-			-			-		
Little Blackfoot River, below Long Valley Creek	MST043	-			-			0.29			-			-			-		
Little Blackfoot River, above Reese Creek	MST049	-			-			0.098			-			-			-		
Lone Pine Creek, above Spring-Fed Creek	MST054	-			-			0.090			-			-			-		
Wooley Valley Creek, above Blackfoot River	MST088	-			-			0.076			-			-			-		
Caldwell Creek, below Phosphoria Formation outcrop	MST101-avg	-			-			0.20			-			-			-		
	MST101-R1	-			-			0.20			-			-			-		
	MST101-R2	-			-			0.20			-			-			-		
	MST101-R3	-			-			0.19			-			-			-		
	MST101-R3-D	-			-			0.20			-			-			-		
Angus Creek, below No Name Creek	MST127	-			-			0.18			-			-			-		
Angus Creek, below Wooley Valley Mine	MST129	-			-			0.17			-			-			-		
Angus Creek, below Upper Angus Creek Reservoir	MST130	-			-			0.30			-			-			-		
Rasmussen Creek, below Enoch Valley Mine	MST133-avg	-			-			0.20			-			-			-		
	MST133	-			-			0.20			-			-			-		
	MST133-D	-			-			0.20			-			-			-		
Blackfoot River, below Spring Creek	MST229-avg	-			-			0.068			-			-			-		
	MST229-R1	-			-			0.069			-			-			-		
	MST229-R2	-			-			0.062			-			-			-		
	MST229-R3	-			-			0.073			-			-			-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Iron

		1999																	
Station		**Unfiltered**			**Unfiltered**			**Filtered**			**Filtered**			**Unfiltered**			**Filtered**		
Name	**ID**	**July**	**RL**	**Flag**	**Aug.**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**Oct.**	**RL**	**Flag**	**Nov.**	**RL**	**Flag**	**Dec.**	**RL**	**Flag**
Blackfoot River, above State Land Creek	MST230-avg	-			-			0.15			-			-			-		
	MST230	-			-			0.14			-			-			-		
	MST230-D	-			-			0.15			-			-			-		
Blackfoot River, above Blackfoot Reservoir	MST232-avg	-0.022	0.0053	U	0.33			0.083			0.10			0.12			0.12		
	MST232	-			0.32			-			-			-			-		
	MST232-D	-			0.33			-			-			-			-		
	MST232-R1	-0.021	0.0053	U	-			-			-			0.11			0.13		
	MST232-R2	-0.022	0.0053	U	-			-			0.10			0.13			0.12		
	MST232-R3	-			-			-			0.11			0.11			0.12		
Meadow Creek, above Blackfoot Reservoir	MST235	-			-			0.059			-			-			-		
Stewart Creek, above Diamond Creek	MST236-avg	-			-			0.051			-			-			-		
	MST236-R1	-			-			0.050			-			-			-		
	MST236-R2	-			-			0.052			-			-			-		
	MST236-R3	-			-			0.051			-			-			-		
Timber Creek, above Diamond Creek	MST237-avg	-			-			0.069			-			-			-		
	MST237-R1	-			-			0.085			-			-			-		
	MST237-R2	-			-			0.059			-			-			-		
	MST237-R3	-			-			0.063			-			-			-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Iron							
		Filtered					
Station		2000			2001		
Name	ID	May	RL	Flag	May	RL	Flag
Henry Mine South Pit Overburden Dump Limestone Drain	MDS022	-			-0.010	0.010	U
Enoch Valley Mine West Dump Seep	MDS025	-			6.5		
Enoch Valley Mine South Dump Seep	MDS026	-			-0.0084	0.010	U
Upper Blackfoot Reservoir	MRV001	-0.00050	0.020	U	-		
Upper Blackfoot Reservoir	MRV002-avg	0.0030	0.020	U	-		
	MRV002-R1	0.0010	0.020	U	-		
	MRV002-R2	0.0029	0.020	U	-		
	MRV002-R3	0.0051	0.020	U	-		
Upper Blackfoot Reservoir	MRV003	-0.0017	0.020	U	-		
Upper Blackfoot Reservoir	MRV004	0.0055	0.020	U	-		
Upper Blackfoot Reservoir	MRV005	0.0052	0.020	U	-		
Lower Blackfoot Reservoir	MRV006	0.0029	0.020	U	-		
Lower Blackfoot Reservoir	MRV007-avg	0.0048	0.020	U	-		
	MRV007-R1	0.0039	0.020	U	-		
	MRV007-R2	0.0052	0.020	U	-		
	MRV007-R3	0.0046	0.020	U	-		
	MRV007-R3-D	0.0057	0.020	U	-		
Lower Blackfoot Reservoir	MRV008	0.0035	0.020	U	-		
Lower Blackfoot Reservoir	MRV009	0.0029	0.020	U	-		
Lower Blackfoot Reservoir	MRV010	0.0022	0.020	U	-		
Ballard Mine Dredge Pond	MSP010-avg	-			-0.010	0.010	U
Ballard Mine Upper Elk Pond	MSP011-avg	-			0.0018	0.010	U
	MSP011	-			0.0010	0.010	U
	MSP011-D	-			0.0025	0.010	U
Ballard Mine Lower Elk Pond	MSP012	-			-0.0023	0.010	U
Henry Mine Henry Pond	MSP014	-			-0.012	0.010	U
Henry Mine Smith Pond	MSP015	-			-0.0033	0.010	U
Henry Mine Center Henry Pond	MSP016	-			-0.010	0.010	U
Enoch Valley Mine South Pond	MSP017	-			-0.0045	0.010	U
Enoch Valley Mine Keyhole Pond	MSP018	-			-0.0031	0.010	U
Enoch Valley Mine Bat Cave Pond	MSP019	-			-0.0028	0.010	U
Enoch Valley Mine West Pond	MSP020	-			-0.0027	0.010	U
Enoch Valley Mine Stock Pond	MSP021	-			-0.0094	0.010	U
Enoch Valley Mine Tipple Pond	MSP022	-			-0.0072	0.010	U
Enoch Valley Mine Haul Road Pond	MSP023	-			-0.0079	0.010	U
Enoch Valley Mine Shop Pond	MSP031-avg	-			0.080		
	MSP031	-			0.079		
	MSP031-D	-			0.081		
Henry Mine South Pit Pond	MSP055	-			-0.0084	0.010	U
Ballard Mine Pit #4 Stock Pond	MSP059	-			-0.014	0.010	U
Blackfoot River, below Ballard Creek	MST019	-0.013	0.020	U	-		
Blackfoot River, below State Land Creek	MST020	-0.015	0.020	U	-		
Blackfoot River, below Trail Creek	MST021	-0.018	0.020	U	-		
Blackfoot River, below Wooley Valley Creek	MST022	-0.018	0.020	U	-		
Blackfoot River, below Dry Valley Creek	MST023	-0.0074	0.020	U	-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Iron							
		Filtered					
Station		2000			2001		
Name	ID	May	RL	Flag	May	RL	Flag
Blackfoot River, above Dry Valley Creek	MST024	-0.0066	0.020	U	-		
Blackfoot River, above Wooley Range Ridge Creek	MST026-avg	-0.0040	0.020	U	-		
	MST026-R1	-0.0026	0.020	U	-		
	MST026-R1-D	-0.0037	0.020	U	-		
	MST026-R2	-0.0041	0.020	U	-		
	MST026-R3	-0.0048	0.020	U	-		
Blackfoot River, below Angus Creek	MST027-avg	-0.0091	0.020	U	-		
	MST027	-0.010	0.020	U	-		
	MST027-D	-0.0081	0.020	U	-		
Blackfoot River, above Diamond Creek Rd.	MST028-avg	-0.014	0.020	U	-		
	MST028	-0.013	0.020	U	-		
	MST028-D	-0.015	0.020	U	-		
Blackfoot River, above Spring Creek	MST029-avg	-0.010	0.020	U	-		
	MST029	-0.0095	0.020	U	-		
	MST029-D	-0.011	0.020	U	-		
Little Blackfoot River, below Long Valley Creek	MST043-avg	-0.013	0.020	U	-		
	MST043-R1	-0.015	0.020	U	-		
	MST043-R2	-0.013	0.020	U	-		
	MST043-R3	-0.011	0.020	U	-		
Little Blackfoot River, above Reese Creek	MST049	0.048			-		
Lone Pine Creek, above Spring-Fed Creek	MST054-avg	-0.017	0.020	U	-		
	MST054	-0.016	0.020	U	-		
	MST054-D	-0.017	0.020	U	-		
Wooley Valley Creek, above Blackfoot River	MST088	-0.0016	0.020	U	-		
Spring-fed trib. #2 of N. Fork Wooley Valley Cr., below Ballard Mine	MST095	0.025			-		
Tributary of North Fork Wooley, below Ballard Mine	MST096	-0.013	0.020	U	-		
Caldwell Creek, below Phosphoria Formation outcrop	MST101-avg	-0.0060	0.020	U	-		
	MST101-R1	-0.0057	0.020	U	-		
	MST101-R2	-0.0051	0.020	U	-		
	MST101-R3	-0.0072	0.020	U	-		
Angus Creek, below No Name Creek	MST127	-0.015	0.020	U	-		
Angus Creek, below Wooley Valley Mine	MST129	-0.011	0.020	U	-		
Angus Creek, below Upper Angus Creek Reservoir	MST130	-0.017	0.020	U	-		
Rasmussen Creek, below Enoch Valley Mine	MST133	0.034			-		
East Fork Rasmussen Creek, above Rasmussen Creek	MST143	0.059			-		
East Fork Lone Pine Creek, below Wooley Valley Mine	MST226	-0.0033	0.020	U	-		
Blackfoot River, below Spring Creek	MST229-avg	-0.010	0.020	U	-		
	MST229-R1	-0.0094	0.020	U	-		
	MST229-R2	-0.011	0.020	U	-		
	MST229-R3	-0.010	0.020	U	-		
Blackfoot River, above State Land Creek	MST230	-0.016	0.020	U	-		
Blackfoot River, above Blackfoot Reservoir	MST232	0.030			-		
Meadow Creek, above Blackfoot Reservoir	MST235	0.0045	0.020	U	-		
Stewart Creek, above Diamond Creek	MST236-avg	-0.020	0.020	U	-		
	MST236-R1	-0.020	0.020	U	-		
	MST236-R2	-0.021	0.020	U	-		
	MST236-R3	-0.020	0.020	U	-		
Timber Creek, above Diamond Creek	MST237-avg	-0.021	0.020	U	-		
	MST237-R1	-0.019	0.020	U	-		
	MST237-R2	-0.022	0.020	U	-		
	MST237-R3	-0.023	0.020	U	-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Magnesium																
		Unfiltered						1999								
Station		1998						Unfiltered			Unfiltered			Unfiltered		
Name	ID	May	RL	Flag	Sept.	RL	Flag	May	RL	Flag	June	RL	Flag	July	RL	Flag
Henry Mine South Pit Overburden Dump Limestone Drain	MDS022	31			36			-			-			-		
Enoch Valley Shop/Office Well	MPW019	9.3			9.1			-			-			-		
Ballard Mine Upper Elk Pond	MSP011	5.8			-			-			-			-		
Blackfoot River, below Ballard Creek	MST019	9.2			14			8.5			-			-		
Blackfoot River, below State Land Creek	MST020	9.2			14			9.5			-			-		
Blackfoot River, below Wooley Valley Creek	MST022-avg	11			14			9.3			-			-		
	MST022-R0	11			-			-			-			-		
	MST022-R1	11			14			-			-			-		
	MST022-R2	11			14			-			-			-		
	MST022-R3	11			14			-			-			-		
	MST022-R4	10			-			-			-			-		
Blackfoot River, below Dry Valley Creek	MST023-avg	9.3			13			8.9			-			-		
	MST023-R1	-			13			-			-			-		
	MST023-R2	-			13			-			-			-		
	MST023-R3	-			12			-			-			-		
Blackfoot River, above Dry Valley Creek	MST024	9.0			13			9.2			-			-		
Blackfoot River, above Range Ridge Creek	MST026-avg	9.8			13			7.7			-			-		
	MST026-R1	-			-			7.4			-			-		
	MST026-R2	-			-			8.5			-			-		
	MST026-R3	-			-			7.2			-			-		
Blackfoot River, above Spring Creek	MST029	9.8			12			7.9			-			-		
Little Blackfoot River, below Long Valley Creek	MST043	17			32			-			-			-		
Little Blackfoot River, immediately below Henry Mine	MST044-avg	16			30			-			-			-		
	MST044-R0	17			-			-			-			-		
	MST044-R1	17			30			-			-			-		
	MST044-R1-D	-			30			-			-			-		
	MST044-R2	16			30			-			-			-		
	MST044-R3	16			30			-			-			-		
	MST044-R3-D	-			29			-			-			-		
	MST044-R4	16			-			-			-			-		
Little Blackfoot River, below Lone Pink Creek	MST046-avg	13			16			-			-			-		
	MST046	13			-			-			-			-		
	MST046-D	13			-			-			-			-		
Little Blackfoot River, above Lone Pine Creek	MST047	16			17			-			-			-		
Little Blackfoot River, below Reese Creek	MST048-avg	8.9			11			-			-			-		
	MST048-R0	9.6			-			-			-			-		
	MST048-R1	9.5			11			-			-			-		
	MST048-R1-D	9.5			-			-			-			-		
	MST048-R2	8.6			11			-			-			-		
	MST048-R3	8.4			11			-			-			-		
	MST048-R3-D	8.5			-			-			-			-		
	MST048-R4	8.3			-			-			-			-		
Little Blackfoot River, above Reese Creek	MST049-avg	8.1			13			-			-			-		
	MST049-R0	8.1			-			-			-			-		
	MST049-R1	8.1			13			-			-			-		
	MST049-R2	8.2			13			-			-			-		
	MST049-R3	8.2			14			-			-			-		
	MST049-R4	8.0			-			-			-			-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Magnesium

		Unfiltered						1999								
Station		1998						Unfiltered			Unfiltered			Unfiltered		
Name	ID	May	RL	Flag	Sept.	RL	Flag	May	RL	Flag	June	RL	Flag	July	RL	Flag
Caldwell Creek, below Phosphoria Formation outcrop	MST101-avg	12			11			-			-			-		
	MST101-R0	12			-			-			-			-		
	MST101-R1	12			11			-			-			-		
	MST101-R1-D	-			11			-			-			-		
	MST101-R2	12			11			-			-			-		
	MST101-R3-D	12			12			-			-			-		
	MST101-R4	12			-			-			-			-		
Angus Creek, below Wooley Valley Mine	MST129-avg	12			17			-			-			-		
	MST129	-			17			-			-			-		
	MST129-D	-			16			-			-			-		
Rassmussen Creek, above Angus Creek	MST131	5.1			10			-			-			-		
Angus Creek, below Rasmussen Creek	MST132	6.9			14			-			-			-		
Blackfoot River, below Spring Creek	MST229	-			-			9.2			-			-		
Blackfoot River, above Blackfoot Reservoir	MST232-avg	-			-			11			13			15		
	MST232	-			-			11			-			-		
	MST232-D	-			-			11			-			-		
	MST232-R1	-			-			-			13			15		
	MST232-R2	-			-			-			14			15		
	MST232-R3	-			-			-			13			-		
	MST232-R3-D	-			-			-			13			-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Magnesium																
		1999														
Station		Unfiltered			Filtered			Filtered			Unfiltered			Filtered		
Name	ID	Aug.	RL	Flag	Sept.	RL	Flag	Oct.	RL	Flag	Nov.	RL	Flag	Dec.	RL	Flag
Upper Blackfoot Reservoir	MRV001	-			19			-			-			-		
Upper Blackfoot Reservoir	MRV002-avg	-			19			-			-			-		
	MRV002-R1	-			19			-			-			-		
	MRV002-R2	-			19			-			-			-		
	MRV002-R3	-			19			-			-			-		
Upper Blackfoot Reservoir	MRV003	-			20			-			-			-		
Upper Blackfoot Reservoir	MRV004	-			19			-			-			-		
Upper Blackfoot Reservoir	MRV005	-			20			-			-			-		
Lower Blackfoot Reservoir	MRV006	-			19			-			-			-		
Lower Blackfoot Reservoir	MRV007-avg	-			19			-			-			-		
	MRV007-R1	-			19			-			-			-		
	MRV007-R2	-			19			-			-			-		
	MRV007-R3	-			20			-			-			-		
Lower Blackfoot Reservoir	MRV008	-			20			-			-			-		
Lower Blackfoot Reservoir	MRV009	-			20			-			-			-		
Lower Blackfoot Reservoir	MRV010	-			19			-			-			-		
Reservoir Delta at Blackfoot River	MRV011-avg	-			20			-			-			-		
	MRV011-R1	-			20			-			-			-		
	MRV011-R1-D	-			21			-			-			-		
	MRV011-R1-D	-			20			-			-			-		
	MRV011-R2	-			20			-			-			-		
	MRV011-R3	-			20			-			-			-		
	MRV011-R3-D	-			20			-			-			-		
Blackfoot River, below Ballard Creek	MST019	-			15			-			-			-		
Blackfoot River, below State Land Creek	MST020	-			15			-			-			-		
Blackfoot River, below Trail Creek	MST021	-			15			-			-			-		
Blackfoot River, below Dry Valley Creek	MST023	-			15			-			-			-		
Blackfoot River, above Dry Valley Creek	MST024	-			14			-			-			-		
Blackfoot River, above Range Ridge Creek	MST026-avg	-			14			-			-			-		
	MST026-R1	-			14			-			-			-		
	MST026-R2	-			14			-			-			-		
	MST026-R3	-			14			-			-			-		
Blackfoot River, below Angus Creek	MST027	-			14			-			-			-		
Blackfoot River, above Diamond Creek Rd.	MST028	-			13			-			-			-		
Blackfoot River, above Spring Creek	MST029	-			12			-			-			-		
Little Blackfoot River, below Long Valley Creek	MST043	-			34			-			-			-		
Little Blackfoot River, above Reese Creek	MST049	-			13			-			-			-		
Lone Pine Creek, above Spring-Fed Creek	MST054	-			14			-			-			-		
Wooley Valley Creek, above Blackfoot River	MST088	-			18			-			-			-		
Caldwell Creek, below Phosphoria Formation outcrop	MST101-avg	-			13			-			-			-		
	MST101-R1	-			13			-			-			-		
	MST101-R2	-			13			-			-			-		
	MST101-R3-D	-			14			-			-			-		
	MST101-R3	-			13			-			-			-		
Angus Creek, below No Name Creek	MST127	-			13			-			-			-		
Angus Creek, below Wooley Valley Mine	MST129	-			14			-			-			-		
Angus Creek, below Upper Angus Creek Reservoir	MST130	-			33			-			-			-		
Rasmussen Creek, below Enoch Valley Mine	MST133-avg	-			9.1			-			-			-		
	MST133	-			9.1			-			-			-		
	MST133-D	-			9.0			-			-			-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Magnesium

Station		1999														
		Unfiltered			Filtered			Filtered			Unfiltered			Filtered		
Name	ID	Aug.	RL	Flag	Sept.	RL	Flag	Oct.	RL	Flag	Nov.	RL	Flag	Dec.	RL	Flag
Blackfoot River, below Spring Creek	MST229-avg	-			13			-			-			-		
	MST229-R1	-			13			-			-			-		
	MST229-R2	-			14			-			-			-		
	MST229-R3	-			13			-			-			-		
Blackfoot River, above State Land Creek	MST230-avg	-			15			-			-			-		
	MST230	-			14			-			-			-		
	MST230-D	-			15			-			-			-		
Blackfoot River, above Blackfoot Reservoir	MST232-avg	15			21			19			19			21		
	MST232	15			-			-			-			-		
	MST232-D	15			-			-			-			-		
	MST232-R1	-			-			18			20			20		
	MST232-R2	-			-			19			18			21		
	MST232-R3	-			-			19			18			21		
Meadow Creek, above Blackfoot Reservoir	MST235	-			-0.0058	0.20	U	-			-			-		
Stewart Creek, above Diamond Creek	MST236-avg	-			12			-			-			-		
	MST236-R1	-			12			-			-			-		
	MST236-R2	-			12			-			-			-		
	MST236-R3	-			12			-			-			-		
Timber Creek, above Diamond Creek	MST237-avg	-			12			-			-			-		
	MST237-R1	-			13			-			-			-		
	MST237-R2	-			12			-			-			-		
	MST237-R3	-			12			-			-			-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Magnesium																
		Filtered														
Station		2000			2001			2002								
Name	ID	May	RL	Flag	May	RL	Flag	May	RL	Flag	July	RL	Flag	Sept.	RL	Flag
Henry Mine South Pit Overburden Dump Limestone Drain	MDS022-avg	-			44			44			-			53	61	U
	MDS022-R1	-			-			35			-			-		
	MDS022-R2	-			-			48			-			-		
	MDS022-R3	-			-			48			-			-		
Enoch Valley Mine West Dump Seep	MDS025	-			64			68			-			-		
Enoch Valley Mine South Dump Seep	MDS026	-			79			42			-			73		
Upper Blackfoot Reservoir	MRV001	19			-			-			-			-		
Upper Blackfoot Reservoir	MRV002-avg	22			-			-			-			-		
	MRV002-R1	22			-			-			-			-		
	MRV002-R2	21			-			-			-			-		
	MRV002-R3	22			-			-			-			-		
Upper Blackfoot Reservoir	MRV003	21			-			-			-			-		
Upper Blackfoot Reservoir	MRV004	22			-			-			-			-		
Upper Blackfoot Reservoir	MRV005	23			-			-			-			-		
Lower Blackfoot Reservoir	MRV006	23			-			-			-			-		
Lower Blackfoot Reservoir	MRV007-avg	23			-			-			-			-		
	MRV007-R1	23			-			-			-			-		
	MRV007-R2	24			-			-			-			-		
	MRV007-R3	23			-			-			-			-		
	MRV007-R3-D	23			-			-			-			-		
Lower Blackfoot Reservoir	MRV008	23			-			-			-			-		
Lower Blackfoot Reservoir	MRV009	23			-			-			-			-		
Lower Blackfoot Reservoir	MRV010	24			-			-			-			-		
Reservoir Delta at Blackfoot River	MRV011	-			-			14			-			17	61	U
Reservoir Delta at Little Blackfoot River	MRV016	-			-			37			-			-		
Reservoir Delta at Meadow Creek	MRV017-avg	-			-			15			-			18	61	U
	MRV017-R1	-			-			-			-			18	61	U
	MRV017-R2	-			-			-			-			18	61	U
	MRV017-R3	-			-			-			-			18	61	U
Enoch Valley Mine, Hedin Spring	MSG001	-			-			11			-			9.8	61	U
Ballard Mine, Garden Hose Spring	MSG003	-			-			16			-			14	61	U
Ballard Mine, Holmgren Spring	MSG004	-			-			-			-			25	61	U
Ballard Mine, Cattle Spring	MSG005	-			-			-			-			21	61	U
Ballard Mine Dredge Pond	MSP010-avg	-			57			34			60			82		
	MSP010-R1	-			-			34			57			-		
	MSP010-R2	-			-			34			61			-		
	MSP010-R3	-			-			34			62			-		
Ballard Mine Upper Elk Pond	MSP011-avg	-			6.0	21	U	5.9			-			-		
	MSP011	-			6.0	21	U	-			-			-		
	MSP011-D	-			5.9	21	U	-			-			-		
Ballard Mine Lower Elk Pond	MSP012	-			8.2	21	U	8.1			-			-		
Henry Mine Henry Pond	MSP014	-			56			45			-			110		
Henry Mine Smith Pond	MSP015	-			35			37			-			23	61	U
Henry Mine Center Henry Pond	MSP016-avg	-			17	21	U	30			-			47	61	U
	MSP016-R1	-			-			-			-			48	61	U
	MSP016-R2	-			-			-			-			47	61	U
	MSP016-R3	-			-			-			-			47	61	U
Enoch Valley Mine South Pond	MSP017	-			78			69			-			120		
Enoch Valley Mine Keyhole Pond	MSP018	-			140			120			150			130		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Magnesium																
		Filtered														
Station		2000			2001			2002								
Name	ID	May	RL	Flag	May	RL	Flag	May	RL	Flag	July	RL	Flag	Sept.	RL	Flag
Enoch Valley Mine Bat Cave Pond	MSP019	-			29			25			-			26	61	U
Enoch Valley Mine West Pond	MSP020	-			12	21	U	22			-			38	61	U
Enoch Valley Mine Stock Pond	MSP021-avg	-			51			56			-			66		
	MSP021-R1	-			-			57			-			-		
	MSP021-R2	-			-			56			-			-		
	MSP021-R3	-			-			55			-			-		
Enoch Valley Mine Tipple Pond	MSP022	-			26			28			-			120		
Enoch Valley Mine Haul Road Pond	MSP023	-			47			25			-			220		
Enoch Valley Mine Shop Pond	MSP031-avg	-			18	21	U	11			-			20	61	U
	MSP031	-			18	21	U	-			-			-		
	MSP031-D	-			18	21	U	-			-			-		
Henry Mine South Pit Pond	MSP055	-			63			15			83			-		
Ballard Mine Pit #4 Stock Pond	MSP059	-			5.3	21	U	3.5			-			-		
Blackfoot River, below Ballard Creek	MST019	11			-			12			14			12	61	U
Blackfoot River, below State Land Creek	MST020	11			-			11			-			13	61	U
Blackfoot River, below Trail Creek	MST021	11			-			11			-			13	61	U
Blackfoot River, below Wooley Valley Creek	MST022	12			-			9.8			-			13	61	U
Blackfoot River, below Dry Valley Creek	MST023	11			-			11			14			12	61	U
Blackfoot River, above Dry Valley Creek	MST024	11			-			11			-			-		
Blackfoot River, below Wooley Range Ridge Creek	MST025	-			-			11			-			-		
Blackfoot River, above Range Ridge Creek	MST026-avg	11			-			10			-			-		
	MST026-R1	11			-			10			-			-		
	MST026-R1-D	11			-			-			-			-		
	MST026-R2	11			-			11			-			-		
	MST026-R3	11			-			10			-			-		
Blackfoot River, below Angus Creek	MST027-avg	11			-			10			-			12	61	U
	MST027	11			-			-			-			-		
	MST027-D	11			-			-			-			-		
Blackfoot River, above Diamond Creek Rd.	MST028-avg	11			-			9.9			-			13	61	U
	MST028	11			-			-			-			-		
	MST028-D	11			-			-			-			-		
Blackfoot River, above Spring Creek	MST029-avg	10			-			10			-			-		
	MST029	10			-			-			-			-		
	MST029-D	10			-			-			-			-		
	MST029-R1	-			-			10			-			-		
	MST029-R2	-			-			10			-			-		
	MST029-R3	-			-			10			-			-		
Little Blackfoot River, below Long Valley Creek	MST043-avg	28			-			30			-			-		
	MST043-R1	28			-			-			-			-		
	MST043-R2	28			-			-			-			-		
	MST043-R3	27			-			-			-			-		
Little Blackfoot River, immediately below Henry Mine	MST044	-			-			29			-			-		
Little Blackfoot River, above Henry Creek	MST045	-			-			30			-			-		
Little Blackfoot River, below Lone Pink Creek	MST046	-			-			13			-			-		
Little Blackfoot River, above Lone Pine Creek	MST047	-			-			39			-			-		
Little Blackfoot River, below Reese Creek	MST04	-			-			9.8			-			-		
Little Blackfoot River, above Reese Creek	MST049-avg	10			-			10			-			11	61	U
	MST049-R1	-			-			10			-			-		
	MST049-R2	-			-			10			-			-		
	MST049-R3	-			-			10			-			-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Magnesium																
		Filtered														
Station		2000			2001			2002								
Name	ID	May	RL	Flag	May	RL	Flag	May	RL	Flag	July	RL	Flag	Sept.	RL	Flag
Long Valley Creek, below Ballard Mine, (ponded area)	MST050	-			-			8.0			19			-		
Lone Pine Creek, above Little Blackfoot River	MST053	-			-			13			-			-		
Lone Pine Creek, above Spring-Fed Creek	MST054-avg	13			-			11			-			-		
	MST054	13			-			-			-			-		
	MST054-D	13			-			-			-			-		
Lone Pine Creek, below Strip Mine Creek	MST055	-			-			11			-			-		
Lone Pine Creek, above Lone Pine Creek	MST057	-			-			11			-			16	61	U
Lone Pine Creek, above West Fork Lone Pine Creek	MST058	-			-			-			-			20	61	U
Strip Mine Creek, above Lone Pine Creek	MST062	-			-			11			-			-		
Strip Mine Creek, below Henry Mine	MST063	-			-			38			-			-		
West Fork Lone Pine Creek, above tributary	MST064	-			-			12			19			16	61	U
Ballard Creek, above Blackfoot River	MST066	-			-			14			-			-		
Ballard Creek headwaters	MST067	-			-			73			-			-		
Short Creek, below Ballard Mine	MST069-avg	-			-			85			100			85		
	MST069-R1	-			-			88			-			-		
	MST069-R2	-			-			85			-			-		
	MST069-R3	-			-			83			-			-		
Wooley Valley Creek, above Blackfoot River	MST088	12			-			-			-			-		
Wooley Valley Creek, below North Fork Wooley Valley Creek	MST089	-			-			8.5			-			-		
Wooley Valley Creek, above North Fork Wooley Valley Creek	MST090	-			-			12			-			-		
North Fork Wooley Valley Creek, above Wooley Valley Creek	MST092	-			-			6.6			-			-		
North Fork Wooley Valley Creek, above Ballard Mine	MST093	-			-			6.2			-			-		
Spring-fed trib. #1 of N. Fork Wooley Valley Cr., below Ballard Mine	MST094	-			-			6.5			-			-		
Spring-fed trib. #2 of N. Fork Wooley Valley Cr., below Ballard Mine	MST095	15			-			32			-			-		
Tributary of North Fork Wooley, below Ballard Mine	MST096	22			-			16			-			-		
Caldwell Creek, below Phosphoria Formation outcrop	MST101-avg	13			-			7.3			-			14	61	U
	MST101-R1	13			-			-			-			-		
	MST101-R2	13			-			-			-			-		
	MST101-R3	13			-			-			-			-		
Angus Creek, above Blackfoot River	MST126-avg	-			-			11			-			13	61	U
	MST126-R1	-			-			-			-			13	61	U
	MST126-R2	-			-			-			-			12	61	U
	MST126-R3	-			-			-			-			13	61	U
Angus Creek, below No Name Creek	MST127	10			-			11			-			13	61	U
Angus Creek, above Rasmussen Creek	MST128	-			-			10			-			13	61	U
Angus Creek, below Wooley Valley Mine	MST129	14			-			12			-			-		
Angus Creek, below Upper Angus Creek Reservoir	MST130-avg	37			-			32			-			-		
	MST130-R1	-			-			33			-			-		
	MST130-R2	-			-			32			-			-		
	MST130-R3	-			-			30			-			-		
Rassmussen Creek, above Angus Creek	MST131	-			-			9.3			12			11	61	U
Angus Creek, below Rasmussen Creek	MST132	-			-			12			-			13	61	U
Rasmussen Creek, below Enoch Valley Mine	MST133	5.6			-			4.6			-			-		
Rasmussen Creek, below West Pond Creek	MST134	-			-			4.6			-			-		
Rasmussen Creek, above West Pond Creek	MST135	-			-			2.3			-			-		
Rasmussen Creek headwaters, near Enoch Valley Mine Shop Pond	MST136	-			-			24			-			-		
East Fork Rasmussen Creek, above Rasmussen Creek	MST143	17			-			19			-			-		
East Fork Lone Pine Creek, below Wooley Valley Mine	MST226	4.8			-			3.7			-			-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Magnesium																
		Filtered														
Station		2000			2001			2002								
Name	ID	May	RL	Flag	May	RL	Flag	May	RL	Flag	July	RL	Flag	Sept.	RL	Flag
Blackfoot River, below Spring Creek	MST229-avg	10			-			9.8			-			-		
	MST229-R1	10			-			-			-			-		
	MST229-R2	10			-			-			-			-		
	MST229-R3	10			-			-			-			-		
Blackfoot River, above State Land Creek	MST230	11			-			11			-			-		
Blackfoot River, below Woodall Mountain Creek	MST231	-			-			13			-			18	61	U
Blackfoot River, above Blackfoot Reservoir	MST232-avg	14			-			13			-			19	61	U
	MST232-R1	-			-			-			-			18	61	U
	MST232-R2	-			-			-			-			19	61	U
	MST232-R3	-			-			-			-			19	61	U
Little Blackfoot River, above Blackfoot Reservoir	MST234	-			-			48			39			35	61	U
Meadow Creek, above Blackfoot Reservoir	MST235	-			-			14			-			18	61	U
Stewart Creek, above Diamond Creek	MST236-avg	13			-			-			-			11	61	U
	MST236-R1	13			-			-			-			-		
	MST236-R2	13			-			-			-			-		
	MST236-R3	13			-			-			-			-		
Timber Creek, above Diamond Creek	MST237-avg	13			-			13			-			11	61	U
	MST237-R1	13			-			13			-			11	61	U
	MST237-R2	13			-			13			-			11	61	U
	MST237-R3	13			-			13			-			11	61	U
Little Blackfoot River, upstream of Henry cutoff road	MST254	-			-			7.2			-			-		
East Fork Rasmussen Creek headwaters	MST269	-			-			-			-			85		
Wooley Valley Creek, above Loadout Creek at road	MST272	-			-			11			-			-		
Wooley Valley Creek, above ponding and below MST089	MST273	-			-			11			-			-		
West Fork Rasmussen Creek, above Rasmussen Creek	MST274	-			-			8.5			-			8.8	61	U
North Fork Lone Pine Creek, NE and above East Fork Lone Pine Creek	MST275	-			-			-			-			16	61	U
Trib. to W. Fork Lone Pine Cr., above W. Fork Lone Pine Cr.	MST276	-			-			9.5			-			13	61	U
above West Fork Lone Pine Creek	MST276	-			-			9.5			-			13	61	U

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Magnesium																
		Filtered														
Station		2002			2003											
Name	ID	Nov.	RL	Flag	Jan.	RL	Flag	March	RL	Flag	April	RL	Flag	May	RL	Flag
Ballard Mine Dredge Pond	MSP010-avg	-			-			-			41			38		
	MSP010-R1	-			-			-			41			39		
	MSP010-R2	-			-			-			41			38		
	MSP010-R3	-			-			-			41			38		
Enoch Valley Mine Keyhole Pond	MSP018	100			100			-			94			120		
Henry Mine South Pit Pond	MSP055	-			-			-			25			32		
Blackfoot River, below Ballard Creek	MST019	13			13			13			7.5			10		
Blackfoot River, below Dry Valley Creek	MST023	13			12			12			6.7			9.6		
Long Valley Creek, below Ballard Mine, (ponded area)	MST050	-			-			-			11			2.6		
Lone Pine Creek, above Lone Pine Creek	MST057	17			15			14			9.7			10		
Lone Pine Creek, above West Fork Lone Pine Creek	MST058	-			-			-			-			12		
West Fork Lone Pine Creek, above tributary	MST064	19			17			16			16			16		
Ballard Creek headwaters	MST067	-			-			-			68			66		
Short Creek, below Ballard Mine	MST069	90			-			-			76			83		
Wooley Valley Creek, below North Fork Wooley Valley Creek	MST089	-			-			-			6.2			7.2		
Spring-fed trib. #1 of N. Fork Wooley Valley Cr., below Ballard Mine	MST094	-			-			-			6.8			-		
Spring-fed trib. #2 of N. Fork Wooley Valley Cr., below Ballard Mine	MST095	-			-			-			42			31		
Rassmussen Creek, above Angus Creek	MST131	-			11			10			6.2			8.8		
Rasmussen Creek headwaters, near Enoch Valley Mine Shop Pond	MST136-avg	-			-			-			25			23		
	MST136-R1	-			-			-			25			-		
	MST136-R2	-			-			-			25			-		
	MST136-R3	-			-			-			25			-		
Little Blackfoot River, above Blackfoot Reservoir	MST234	39			37			37			36			34		
Trib. to W. Fork Lone Pine Cr., above W. Fork Lone Pine Cr. above West Fork Lone Pine Creek	MST276-avg	13			12			9.9			8.4			9.1		
	MST276-R1	13			12			10			-			-		
	MST276-R2	13			12			9.8			-			-		
	MST276-R3	12			12			9.8			-			-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Magnesium							
		Filtered					
Station		2003					
Name	ID	June	RL	Flag	July	RL	Flag
Ballard Mine Dredge Pond	MSP010	76			120		
Enoch Valley Mine Keyhole Pond	MSP018	130			140		
Henry Mine South Pit Pond	MSP055	72			95		
Blackfoot River, below Ballard Creek	MST019	12			14		
Blackfoot River, below Dry Valley Creek	MST023	12			14		
Long Valley Creek, below Ballard Mine, (ponded area)	MST050	4.0			8.0		
Lone Pine Creek, above Lone Pine Creek	MST057	16			17		
West Fork Lone Pine Creek, above tributary	MST064	17			18		
Short Creek, below Ballard Mine	MST069	83			97		
Rassmussen Creek, above Angus Creek	MST131-avg	10			11		
	MST131-R1	11			-		
	MST131-R2	10			-		
	MST131-R3	10			-		
Little Blackfoot River, above Blackfoot Reservoir	MST234-avg	36			38		
	MST234-R1	35			-		
	MST234-R2	36			-		
	MST234-R3	36			-		
Trib. to W. Fork Lone Pine Cr., above W. Fork Lone Pine Cr. above West Fork Lone Pine	MST276	14			13		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Potassium																
		Unfiltered						1999								
Station		1998						Unfiltered			Unfiltered			Unfiltered		
Name	ID	May	RL	Flag	Sept.	RL	Flag	May	RL	Flag	June	RL	Flag	July	RL	Flag
Henry Mine South Pit Overburden Dump Limestone Drain	MDS022	3.2			2.2			-			-			-		
Enoch Valley Shop/Office Well	MPW019	1.4			0.88			-			-			-		
Ballard Mine Upper Elk Pond	MSP011	1.6			-			-			-			-		
Blackfoot River, below Ballard Creek	MST019	1.4			1.2			1.5			-			-		
Blackfoot River, below State Land Creek	MST020	1.6			1.1			1.7			-			-		
Blackfoot River, below Wooley Valley Creek	MST022-avg	1.6			1.6			1.1			-			-		
	MST022-R0	1.8			-			-			-			-		
	MST022-R1	2.0			1.6			-			-			-		
	MST022-R2	1.5			1.5			-			-			-		
	MST022-R3	1.5			1.7			-			-			-		
	MST022-R4	1.4			-			-			-			-		
Blackfoot River, below Dry Valley Creek	MST023-avg	1.3			1.5			1.9			-			-		
	MST023-R1	-			1.5			-			-			-		
	MST023-R2	-			1.5			-			-			-		
	MST023-R3	-			1.5			-			-			-		
Blackfoot River, above Dry Valley Creek	MST024	4.4			1.1			1.9			-			-		
Blackfoot River, above Wooley Range Ridge Creek	MST026-avg	1.5			1.4			1.2			-			-		
	MST026-R1	-			-			1.1			-			-		
	MST026-R2	-			-			1.4			-			-		
	MST026-R3	-			-			1.2			-			-		
Blackfoot River, above Spring Creek	MST029-avg	1.0			1.3			1.8			-			-		
	MST029	-			1.3			-			-			-		
	MST029-D	-			1.2			-			-			-		
Little Blackfoot River, below Long Valley Creek	MST043	3.2			3.9			-			-			-		
Little Blackfoot River, immediately below Henry Mine	MST044-avg	2.9			3.9			-			-			-		
	MST044-R0	2.8			-			-			-			-		
	MST044-R1	2.9			4.1			-			-			-		
	MST044-R1-D	-			4.1			-			-			-		
	MST044-R2	2.9			3.8			-			-			-		
	MST044-R3	3.0			4.1			-			-			-		
	MST044-R3-D	-			3.7			-			-			-		
	MST044-R4	3.0			-			-			-			-		
Little Blackfoot River, below Lone Pine Creek	MST046-avg	2.3			3.0			-			-			-		
	MST046	2.3			-			-			-			-		
	MST046-D	2.2			-			-			-			-		
Little Blackfoot River, above Lone Pine Creek	MST047	2.5			3.2			-			-			-		
Little Blackfoot River, below Reese Creek	MST048-avg	1.7			1.4			-			-			-		
	MST048-R0	1.8			-			-			-			-		
	MST048-R1	2.0			1.4			-			-			-		
	MST048-R1-D	1.8			-			-			-			-		
	MST048-R2	1.6			1.5			-			-			-		
	MST048-R3	1.5			1.2			-			-			-		
	MST048-R3-D	1.4			-			-			-			-		
	MST048-R4	1.8			-			-			-			-		
Little Blackfoot River, above Reese Creek	MST049-avg	1.8			1.8			-			-			-		
	MST049-R0	1.8			-			-			-			-		
	MST049-R1	1.8			1.9			-			-			-		
	MST049-R2	1.8			1.9			-			-			-		
	MST049-R3	1.8			1.7			-			-			-		
	MST049-R4	1.9			-			-			-			-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Potassium																
		Unfiltered						1999								
Station		1998						Unfiltered			Unfiltered			Unfiltered		
Name	ID	May	RL	Flag	Sept.	RL	Flag	May	RL	Flag	June	RL	Flag	July	RL	Flag
Caldwell Creek, below Phosphoria Formation outcrop	MST101-avg	1.2			1.5			-			-			-		
	MST101-R0	1.2			-			-			-			-		
	MST101-R1	1.3			1.6			-			-			-		
	MST101-R1-D	-			1.6			-			-			-		
	MST101-R2	1.3			1.6			-			-			-		
	MST101-R3	1.1			1.2			-			-			-		
	MST101-R4	1.3			-			-			-			-		
Angus Creek, below Wooley Valley Mine	MST129-avg	1.5			1.8			-			-			-		
	MST129	-			1.8			-			-			-		
	MST129-D	-			1.7			-			-			-		
Rassmussen Creek, above Angus Creek	MST131	1.1			1.6			-			-			-		
Angus Creek, below Rasmussen Creek	MST132	1.2			2.0			-			-			-		
Blackfoot River, below Spring Creek	MST229-avg	-			-			1.8			-			-		
Blackfoot River, above Blackfoot Reservoir	MST232-avg	-			-			1.9			0.93	0.71<x<1.1	U	1.1		
	MST232	-			-			1.7			-			-		
	MST232-D	-			-			2.0			-			-		
	MST232-R1	-			-			-			0.82			1.3		
	MST232-R2	-			-			-			0.68	0.82	U	0.98		
	MST232-R3	-			-			-			1.3			-		
	MST232-R3-D	-			-			-			1.2			-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Potassium

		1999														
Station		Unfiltered			Filtered			Filtered			Unfiltered			Filtered		
Name	ID	Aug.	RL	Flag	Sept.	RL	Flag	Oct.	RL	Flag	Nov.	RL	Flag	Dec.	RL	Flag
Upper Blackfoot Reservoir	MRV001	-			1.8			-			-			-		
Upper Blackfoot Reservoir	MRV002-avg	-			2.0			-			-			-		
	MRV002-R1	-			3.9			-			-			-		
	MRV002-R2	-			1.0			-			-			-		
	MRV002-R3	-			0.96			-			-			-		
Upper Blackfoot Reservoir	MRV003	-			2.2			-			-			-		
Upper Blackfoot Reservoir	MRV004	-			1.6			-			-			-		
Upper Blackfoot Reservoir	MRV005	-			2.2			-			-			-		
Lower Blackfoot Reservoir	MRV006	-			1.1			-			-			-		
Lower Blackfoot Reservoir	MRV007-avg	-			1.3			-			-			-		
	MRV007-R1	-			1.2			-			-			-		
	MRV007-R2	-			1.2			-			-			-		
	MRV007-R3	-			1.5			-			-			-		
	MRV007-R3-D	-			-			-			-			-		
Lower Blackfoot Reservoir	MRV008	-			0.99			-			-			-		
Lower Blackfoot Reservoir	MRV009	-			1.3			-			-			-		
Lower Blackfoot Reservoir	MRV010	-			1.1			-			-			-		
Reservoir Delta at Blackfoot River	MRV011-avg	-			0.035	2.0	U	-			-			-		
	MRV011-R1	-			0.022	2.0	U	-			-			-		
	MRV011-R1-D	-			0.0019	2.0	U	-			-			-		
	MRV011-R1-D	-			-0.088	2.0	U	-			-			-		
	MRV011-R2	-			0.11	2.0	U	-			-			-		
	MRV011-R3	-			0.23	2.0	U	-			-			-		
	MRV011-R3-D	-			-0.19	2.0	U	-			-			-		
Blackfoot River, below Ballard Creek	MST019	-			0.23	2.0	U	-			-			-		
Blackfoot River, below State Land Creek	MST020	-			-0.072	2.0	U	-			-			-		
Blackfoot River, below Trail Creek	MST021	-			0.54	2.0	U	-			-			-		
Blackfoot River, below Dry Valley Creek	MST023	-			0.35	2.0	U	-			-			-		
Blackfoot River, above Dry Valley Creek	MST024	-			0.48	2.0	U	-			-			-		
Blackfoot River, above Wooley Range Ridge Creek	MST026-avg	-			0.75	2.0	U	-			-			-		
	MST026-R1	-			0.53	2.0	U	-			-			-		
	MST026-R2	-			0.87	2.0	U	-			-			-		
	MST026-R3	-			0.86	2.0	U	-			-			-		
Blackfoot River, below Angus Creek	MST027	-			1.5	2.0	U	-			-			-		
Blackfoot River, above Diamond Creek Rd.	MST028	-			0.33	2.0	U	-			-			-		
Blackfoot River, above Spring Creek	MST029	-			0.40	2.0	U	-			-			-		
Little Blackfoot River, below Long Valley Creek	MST043	-			2.3	2.0	U	-			-			-		
Little Blackfoot River, above Reese Creek	MST049	-			0.34	2.0	U	-			-			-		
Lone Pine Creek, above Spring-Fed Creek	MST054	-			0.55	2.0	U	-			-			-		
Wooley Valley Creek, above Blackfoot River	MST088	-			-0.083	2.0	U	-			-			-		
Caldwell Creek, below Phosphoria Formation outcrop	MST101-avg	-			-0.080	2.0	U	-			-			-		
	MST101-R1	-			-0.29	2.0	U	-			-			-		
	MST101-R2	-			-0.18	2.0	U	-			-			-		
	MST101-R3	-			0.050	2.0	U	-			-			-		
	MST101-R3-D	-			0.40	2.0	U	-			-			-		
Angus Creek, below No Name Creek	MST127	-			0.57	2.0	U	-			-			-		
Angus Creek, below Wooley Valley Mine	MST129	-			0.15	2.0	U	-			-			-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Potassium

		1999														
Station		**Unfiltered**			**Filtered**			**Filtered**			**Unfiltered**			**Filtered**		
Name	**ID**	**Aug.**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**Oct.**	**RL**	**Flag**	**Nov.**	**RL**	**Flag**	**Dec.**	**RL**	**Flag**
Angus Creek, below Upper Angus Creek Reservoir	MST130	-			0.94	2.0	U	-			-			-		
Rasmussen Creek, below Enoch Valley Mine	MST133-avg	-			-0.60	2.0	U	-			-			-		
	MST133	-			-0.66	2.0	U	-			-			-		
	MST133-D	-			-0.54	2.0	U	-			-			-		
Blackfoot River, below Spring Creek	MST229-avg	-			0.55	2.0	U	-			-			-		
	MST229-R1	-			0.91	2.0	U	-			-			-		
	MST229-R2	-			0.40	2.0	U	-			-			-		
	MST229-R3	-			0.34	2.0	U	-			-			-		
Blackfoot River, above State Land Creek	MST230-avg	-			-0.13	2.0	U	-			-			-		
	MST230	-			-0.19	2.0	U	-			-			-		
	MST230-D	-			-0.063	2.0	U	-			-			-		
Blackfoot River, above Blackfoot Reservoir	MST232-avg	1.3			0.0017	2.0	U	0.84	2.0	U	0.82	2.0	U	0.90	2.0	U
	MST232-R1	-			-			0.83	2.0	U	0.95	2.0	U	0.90	2.0	U
	MST232-R2	-			-			0.85	2.0	U	0.77	2.0	U	0.91	2.0	U
	MST232-R3	-			-			0.83	2.0	U	0.75	2.0	U	0.90	2.0	U
Meadow Creek, above Blackfoot Reservoir	MST235	-			-0.79	2.0	U	-			-			-		
Stewart Creek, above Diamond Creek	MST236-avg	-			0.31	2.0	U	-			-			-		
	MST236-R1	-			0.28	2.0	U	-			-			-		
	MST236-R2	-			0.34	2.0	U	-			-			-		
	MST236-R3	-			0.30	2.0	U	-			-			-		
Timber Creek, above Diamond Creek	MST237-avg	-			0.68	2.0	U	-			-			-		
	MST237-R1	-			0.86	2.0	U	-			-			-		
	MST237-R2	-			0.78	2.0	U	-			-			-		
	MST237-R3	-			0.40	2.0	U	-			-			-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Potassium													
		Filtered											
Station		2000			2001			2002					
Name	ID	May	RL	Flag	May	RL	Flag	May	RL	Flag	Sept.	RL	Flag
Henry Mine South Pit Overburden Dump Limestone Drain	MDS022-avg	-			0.88	9.5	U	2.7			2.5	4.5	U
	MDS022-R1	-			-			2.5			-		
	MDS022-R2	-			-			2.9			-		
	MDS022-R3	-			-			2.7			-		
Enoch Valley Mine West Dump Seep	MDS025	-			3.0	9.5	U	3.1			-		
Enoch Valley Mine South Dump Seep	MDS026	-			1.6	9.5	U	0.90			13		
Upper Blackfoot Reservoir	MRV001	1.8			-			-			-		
Upper Blackfoot Reservoir	MRV002-avg	1.8			-			-			-		
	MRV002-R1	1.9			-			-			-		
	MRV002-R2	1.8			-			-			-		
	MRV002-R3	1.8			-			-			-		
Upper Blackfoot Reservoir	MRV003	1.8			-			-			-		
Upper Blackfoot Reservoir	MRV004	2.0			-			-			-		
Upper Blackfoot Reservoir	MRV005	1.9			-			-			-		
Lower Blackfoot Reservoir	MRV006	2.0			-			-			-		
Lower Blackfoot Reservoir	MRV007-avg	2.0			-			-			-		
	MRV007-R1	2.1			-			-			-		
	MRV007-R2	1.9			-			-			-		
	MRV007-R3	1.8			-			-			-		
	MRV007-R3-D	1.9			-			-			-		
Lower Blackfoot Reservoir	MRV008	2.0			-			-			-		
Lower Blackfoot Reservoir	MRV009	2.2			-			-			-		
Lower Blackfoot Reservoir	MRV010	1.9			-			-			-		
Reservoir Delta at Blackfoot River	MRV011	-			-			0.80			1.7	4.5	U
\	MRV016	-			-			2.2			-		
Reservoir Delta at Meadow Creek	MRV017-avg	-			-			1.3			2.6	4.5	U
	MRV017-R1	-			-			-			2.6	4.5	U
	MRV017-R2	-			-			-			2.6	4.5	U
	MRV017-R3	-			-			-			2.5	4.5	U
Enoch Valley Mine, Hedin Spring	MSG001	-			-			0.60			0.70	4.5	U
Ballard Mine, Garden Hose Spring	MSG003	-			-			0.80			0.70	4.5	U
Ballard Mine, Holmgren Spring	MSG004	-			-			-			1.8	4.5	U
Ballard Mine, Cattle Spring	MSG005-avg	-			-			-			0.60	4.5	U
Ballard Mine Dredge Pond	MSP010-avg	-			9.8			4.7			120		
	MSP010-R1	-			-			4.8			-		
	MSP010-R2	-			-			4.5			-		
	MSP010-R3	-			-			4.7			-		
Ballard Mine Upper Elk Pond	MSP011-avg	-			3.6	9.5	U	3.2			-		
	MSP011	-			3.6	9.5	U	-			-		
	MSP011-D	-			3.5	9.5	U	-			-		
Ballard Mine Lower Elk Pond	MSP012	-			2.3	9.5	U	2.4			-		
Henry Mine Henry Pond	MSP014	-			6.6	9.5	U	6.9			20		
Henry Mine Smith Pond	MSP015	-			3.1	9.5	U	2.5			13		
Henry Mine Center Henry Pond	MSP016	-			1.8	9.5	U	2.5			22		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Potassium													
		Filtered											
Station		2000			2001			2002					
Name	ID	May	RL	Flag	May	RL	Flag	May	RL	Flag	Sept.	RL	Flag
Enoch Valley Mine South Pond	MSP017	-			3.4	9.5	U	3.7			2.2	4.5	U
Enoch Valley Mine Keyhole Pond	MSP018	-			2.8	9.5	U	2.6			2.3	4.5	U
Enoch Valley Mine Bat Cave Pond	MSP019	-			3.9	9.5	U	3.9			4.3	4.5	U
Enoch Valley Mine West Pond	MSP020	-			0.34	9.5	U	2.1			5.3		
Enoch Valley Mine Stock Pond	MSP021-avg	-			1.6	9.5	U	1.6			1.4	4.5	U
	MSP021-R1	-			-			1.5			-		
	MSP021-R2	-			-			1.6			-		
	MSP021-R3	-			-			1.7			-		
Enoch Valley Mine Tipple Pond	MSP022	-			2.4	9.5	U	2.8			10		
Enoch Valley Mine Haul Road Pond	MSP023	-			3.5	9.5	U	2.4			8.3		
Enoch Valley Mine Shop Pond	MSP031-avg	-			6.9	9.5	U	5.5			9.3		
	MSP031	-			6.9	9.5	U	-			-		
	MSP031-D	-			6.8	9.5	U	-			-		
Henry Mine South Pit Pond	MSP055	-			1.0	9.5	U	0.40			-		
Ballard Mine Pit #4 Stock Pond	MSP059	-			2.9	9.5	U	2.0			-		
Blackfoot River, below Ballard Creek	MST019	0.90			-			1.3			1.0	4.5	U
Blackfoot River, below State Land Creek	MST020	0.82			-			0.70			1.5	4.5	U
Blackfoot River, below Trail Creek	MST021	0.85			-			0.80			1.0	4.5	U
Blackfoot River, below Wooley Valley Creek	MST022	0.79			-			0.80			0.90	4.5	U
Blackfoot River, below Dry Valley Creek	MST023	0.64			-			0.90			0.70	4.5	U
Blackfoot River, above Dry Valley Creek	MST024	0.73			-			0.80			-		
Below Wooley Range Ridge Creek	MST025	-			-			0.60			-		
Blackfoot River, above Wooley Range Ridge Creek	MST026-avg	0.64			-			0.70			-		
	MST026-R1	0.68			-			0.60			-		
	MST026-R1-D	0.74			-			-			-		
	MST026-R2	0.55			-			0.60			-		
	MST026-R3	0.67			-			0.90			-		
Blackfoot River, below Angus Creek	MST027-avg	0.70			-			0.70			0.70	4.5	U
	MST027	0.69			-			-			-		
	MST027-D	0.70			-			-			-		
Blackfoot River, above Diamond Creek Rd.	MST028-avg	0.68			-			0.70			0.80	4.5	U
	MST028	0.68			-			-			-		
	MST028-R	0.68			-			-			-		
Blackfoot River, above Spring Creek	MST029-avg	0.75			-			0.70			-		
	MST029	0.73			-			-			-		
	MST029-D	0.77			-			-			-		
	MST029-R1	-			-			0.60			-		
	MST029-R2	-			-			0.70			-		
	MST029-R3	-			-			0.80			-		
Little Blackfoot River, below Long Valley Creek	MST043-avg	2.4			-			3.2			-		
	MST043-R1	2.4			-			-			-		
	MST043-R2	2.4			-			-			-		
	MST043-R3	2.4			-			-			-		
Little Blackfoot River, immediately below Henry Mine	MST044	-			-			3.3			-		
Little Blackfoot River, above Henry Creek	MST045	-			-			3.3			-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Potassium													
		Filtered											
Station		2000			2001			2002					
Name	ID	May	RL	Flag	May	RL	Flag	May	RL	Flag	Sept.	RL	Flag
Little Blackfoot River, below Lone Pine Creek	MST046	-			-			1.3			-		
Little Blackfoot River, above Lone Pine Creek	MST047	-			-			3.0			-		
Little Blackfoot River, below Reese Creek	MST048	-			-			1.4			-		
Little Blackfoot River, above Reese Creek	MST049-avg	1.1			-			1.7			2.2	4.5	U
	MST049-R1	-			-			1.7			-		
	MST049-R2	-			-			1.7			-		
	MST049-R3	-			-			1.7			-		
Long Valley Creek, below Ballard Mine, (ponded area)	MST050	-			-			5.3			-		
Lone Pine Creek, above Little Blackfoot River	MST053	-			-			1.2			-		
Lone Pine Creek, above Spring-Fed Creek	MST054-avg	0.62			-			0.50			-		
	MST054	0.62			-			-			-		
	MST054-D	0.62			-			-			-		
Lone Pine Creek, below Strip Mine Creek	MST055	-			-			0.80			-		
Lone Pine Creek, above Lone Pine Creek	MST057	-			-			1.0			0.80	4.5	U
Lone Pine Creek, above West Fork Lone Pine Creek	MST058	-			-			-			7.0		
Strip Mine Creek, above Lone Pine Creek	MST062	-			-			0.80			-		
Strip Mine Creek, below Henry Mine	MST063	-			-			1.8			-		
West Fork Lone Pine Creek, above tributary	MST064	-			-			0.60			0.80	4.5	U
Ballard Creek, above Blackfoot River	MST066	-			-			2.3			-		
Ballard Creek headwaters	MST067	-			-			2.2			-		
Short Creek, below Ballard Mine	MST069-avg	-			-			3.0			9.2		
	MST069-R1	-			-			3.0			-		
	MST069-R2	-			-			3.0			-		
	MST069-R3	-			-			2.9			-		
Wooley Valley Creek, above Blackfoot River	MST088	1.6			-			-			-		
Wooley Valley Creek, below North Fork Wooley Valley Creek	MST089	-			-			1.4			-		
Wooley Valley Creek, above North Fork Wooley Valley Creek	MST090	-			-			1.7			-		
North Fork Wooley Valley Creek, above Wooley Valley Creek	MST092	-			-			1.7			-		
North Fork Wooley Valley Creek, above Ballard Mine	MST093	-			-			0.80			-		
Spring-fed trib. #1 of N. Fork Wooley Valley Cr., below Ballard Mine	MST094	-			-			0.60			-		
Spring-fed trib. #2 of N. Fork Wooley Valley Cr., below Ballard Mine	MST095	1.8			-			0.50			-		
Tributary of North Fork Wooley, below Ballard Mine	MST096	0.37	0.50	U	-			1.6			-		
Caldwell Creek, below Phosphoria Formation outcrop	MST101-avg	0.89			-			0.40			1.6	4.5	U
	MST101-R1	0.89			-			-			-		
	MST101-R2	0.84			-			-			-		
	MST101-R3	0.95			-			-			-		
Angus Creek, above Blackfoot River	MST126-avg	-			-			0.80			3.3	4.5	U
	MST126-R1	-			-			-			3.3	4.5	U
	MST126-R2	-			-			-			3.4	4.5	U
	MST126-R3	-			-			-			3.3	4.5	U
Angus Creek, below No Name Creek	MST127	0.70			-			0.80			1.2	4.5	U
Angus Creek, above Rasmussen Creek	MST128	-			-			0.60			1.2	4.5	U
Angus Creek, below Wooley Valley Mine	MST129	0.75			-			0.80			-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Potassium													
		Filtered											
Station		2000			2001			2002					
Name	ID	May	RL	Flag	May	RL	Flag	May	RL	Flag	Sept.	RL	Flag
Angus Creek, below Upper Angus Creek Reservoir	MST130-avg	1.6			-			1.3			-		
	MST130-R1	-			-			1.4			-		
	MST130-R2	-			-			1.3			-		
	MST130-R3	-			-			1.3			-		
Rassmussen Creek, above Angus Creek	MST131	-			-			0.60			0.80	4.5	U
Angus Creek, below Rasmussen Creek	MST132	-			-			0.90			1.1	4.5	U
Rasmussen Creek, below Enoch Valley Mine	MST133	0.83			-			0.90			-		
Rasmussen Creek, below West Pond Creek	MST134	-			-			1.1			-		
Rasmussen Creek, above West Pond Creek	MST135	-			-			1.9			-		
Rasmussen Creek headwaters, near Enoch Valley Mine Shop Pond	MST136	-			-			2.0			-		
East Fork Rasmussen Creek, above Rasmussen Creek	MST143	0.80			-			1.3			-		
East Fork Lone Pine Creek, below Wooley Valley Mine	MST226	0.89			-			0.70			-		
Blackfoot River, below Spring Creek	MST229-avg	0.70			-			0.60			-		
	MST229-R1	0.69			-			-			-		
	MST229-R2	0.69			-			-			-		
	MST229-R3	0.71			-			-			-		
Blackfoot River, above State Land Creek	MST230	0.78			-			0.80			-		
Blackfoot River, below Woodall Mountain Creek	MST231	-			-			0.90			1.6	4.5	U
Blackfoot River, above Blackfoot Reservoir	MST232-avg	0.86			-			0.90			1.6	4.5	U
	MST232-R1	-			-			-			1.6	4.5	U
	MST232-R2	-			-			-			1.6	4.5	U
	MST232-R3	-			-			-			1.6	4.5	U
Little Blackfoot River, above Blackfoot Reservoir	MST234	-			-			2.9			2.3	4.5	U
Meadow Creek, above Blackfoot Reservoir	MST235	2.3			-			1.4			2.6	4.5	U
Stewart Creek, above Diamond Creek	MST236-avg	0.62			-			-			0.50	4.5	U
	MST236-R1	0.59			-			-			-		
	MST236-R2	0.65			-			-			-		
	MST236-R3	0.63			-			-			-		
Timber Creek, above Diamond Creek	MST237-avg	0.64			-			-			0.70	4.5	U
	MST237-R1	0.60			-			-			0.70	4.5	U
	MST237-R2	0.66			-			-			0.70	4.5	U
	MST237-R3	0.67			-			-			0.70	4.5	U
Little Blackfoot River, upstream of Henry cutoff road	MST254	-			-			2.0			-		
East Fork Rasmussen Creek headwaters	MST269	-			-			-			6.3		
Wooley Valley Creek, above Loadout Creek at road	MST272	-			-			1.7			-		
Wooley Valley Creek, above ponding and below MST089	MST273	-			-			2.3			-		
West Fork Rasmussen Creek, above Rasmussen Creek	MST274	-			-			0.50			1.1	4.5	U
N. Fork Lone Pine Creek, NE and above East Fork Lone Pine Creek	MST275	-			-			-			120		
Tributary to W. Fork Lone Pine Cr., above West Fork Lone Pine Creek	MST276	-			-			1.0			0.60	4.5	U

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Sodium																
		Unfiltered						1999								
Station		1998						Unfiltered			Unfiltered			Unfiltered		
Name	ID	May	RL	Flag	Sept.	RL	Flag	May	RL	Flag	June	RL	Flag	July	RL	Flag
Henry Mine South Pit Overburden Dump Limestone Drain	MDS022	11			12			-			-			-		
Enoch Valley Shop/Office Well	MPW019	6.5			6.2			-			-			-		
Ballard Mine Upper Elk Pond	MSP011	1.1			-			-			-			-		
Blackfoot River, below Ballard Creek	MST019	3.7			4.4			3.5			-			-		
Blackfoot River, below State Land Creek	MST020	3.7			4.1			3.5			-			-		
Blackfoot River, below Wooley Valley Creek	MST022-avg	3.8			4.2			3.1			-			-		
	MST022-R0	3.9			-			-			-			-		
	MST022-R1	3.8			4.3			-			-			-		
	MST022-R2	3.7			4.2			-			-			-		
	MST022-R3	3.9			4.2			-			-			-		
	MST022-R4	3.7			-			-			-			-		
Blackfoot River, below Dry Valley Creek	MST023-avg	3.3			3.9			2.8			-			-		
	MST023-R1	-			3.8			-			-			-		
	MST023-R2	-			3.9			-			-			-		
	MST023-R3	-			3.9			-			-			-		
Blackfoot River, above Dry Valley Creek	MST024	3.3			3.8			3.0			-			-		
Blackfoot River, above Wooley Range Ridge Creek	MST026-avg	3.4			3.8			2.9			-			-		
	MST026-R1	-			-			2.9			-			-		
	MST026-R2	-			-			2.9			-			-		
	MST026-R3	-			-			2.9			-			-		
Blackfoot River, above Spring Creek	MST029-avg	3.1			3.6			3.1			-			-		
	MST029	-			3.6			-			-			-		
	MST029-D	-			3.5			-			-			-		
Little Blackfoot River, below Long Valley Creek	MST043	20			28			-			-			-		
Little Blackfoot River, immediately below Henry Mine	MST044-avg	21			54			-			-			-		
	MST044-R0	21			-			-			-			-		
	MST044-R1	21			54			-			-			-		
	MST044-R1-D	-			55			-			-			-		
	MST044-R2	21			54			-			-			-		
	MST044-R3	20			54			-			-			-		
	MST044-R3-D	-			54			-			-			-		
	MST044-R4	21			-			-			-			-		
Little Blackfoot River, below Lone Pine Creek	MST046-avg	10			18			-			-			-		
	MST046	10			-			-			-			-		
	MST046-D	11			-			-			-			-		
Little Blackfoot River, above Lone Pine Creek	MST047	13			21			-			-			-		
Little Blackfoot River, below Reese Creek	MST048-avg	4.0			4.9			-			-			-		
	MST048-R0	4.2			-			-			-			-		
	MST048-R1	4.0			4.8			-			-			-		
	MST048-R1-D	4.0			-			-			-			-		
	MST048-R2	4.1			4.8			-			-			-		
	MST048-R3	4.0			4.9			-			-			-		
	MST048-R3-D	4.1			-			-			-			-		
	MST048-R4	4.0			-			-			-			-		
Little Blackfoot River, above Reese Creek	MST049-avg	4.0			6.2			-			-			-		
	MST049-R0	4.0			-			-			-			-		
	MST049-R1	4.0			6.1			-			-			-		
	MST049-R2	4.1			6.2			-			-			-		
	MST049-R3	3.9			6.3			-			-			-		
	MST049-R4	4.0			-			-			-			-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Sodium																
		Unfiltered						1999								
Station		1998						Unfiltered			Unfiltered			Unfiltered		
Name	ID	May	RL	Flag	Sept.	RL	Flag	May	RL	Flag	June	RL	Flag	July	RL	Flag
Caldwell Creek, below Phosphoria Formation outcrop	MST101-avg	6.0			6.6			-			-			-		
	MST101-R0	6.0			-			-			-			-		
	MST101-R1	6.0			6.7			-			-			-		
	MST101-R1-D	-			6.6			-			-			-		
	MST101-R2	6.0			6.6			-			-			-		
	MST101-R3	6.0			6.5			-			-			-		
	MST101-R4	6.0			-			-			-			-		
Angus Creek, below Wooley Valley Mine	MST129-avg	4.7			5.7			-			-			-		
	MST129	-			5.7			-			-			-		
	MST129-D	-			5.6			-			-			-		
Rassmussen Creek, above Angus Creek	MST131	4.0			5.3			-			-			-		
Angus Creek, below Rasmussen Creek	MST132	3.9			5.5			-			-			-		
Blackfoot River, below Spring Creek	MST229	-			-			2.8			-			-		
Blackfoot River, above Blackfoot Reservoir	MST232-avg	-			-			3.7			3.7			4.6		
	MST232	-			-			3.7			-			-		
	MST232-D	-			-			3.6			-			-		
	MST232-R1	-			-			-			3.6			4.6		
	MST232-R2	-			-			-			3.7			4.5		
	MST232-R3	-			-			-			3.8			-		
	MST232-R3-D	-			-			-			3.9			-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Sodium																
		1999														
Station		Unfiltered			Filtered			Filtered			Filtered			Filtered		
Name	ID	Aug.	RL	Flag	Sept.	RL	Flag	Oct.	RL	Flag	Nov.	RL	Flag	Dec.	RL	Flag
Upper Blackfoot Reservoir	MRV001	-			8.6			-			-			-		
Upper Blackfoot Reservoir	MRV002-avg	-			8.7			-			-			-		
	MRV002-R1	-			8.8			-			-			-		
	MRV002-R2	-			8.7			-			-			-		
	MRV002-R3	-			8.7			-			-			-		
Upper Blackfoot Reservoir	MRV003	-			9.6			-			-			-		
Upper Blackfoot Reservoir	MRV004	-			9.1			-			-			-		
Upper Blackfoot Reservoir	MRV005	-			9.3			-			-			-		
Lower Blackfoot Reservoir	MRV006	-			9.5			-			-			-		
Lower Blackfoot Reservoir	MRV007-avg	-			9.6			-			-			-		
	MRV007-R1	-			9.6			-			-			-		
	MRV007-R2	-			9.5			-			-			-		
	MRV007-R3	-			9.8			-			-			-		
Lower Blackfoot Reservoir	MRV008	-			10			-			-			-		
Lower Blackfoot Reservoir	MRV009	-			10			-			-			-		
Lower Blackfoot Reservoir	MRV010	-			9.4			-			-			-		
Reservoir Delta at Blackfoot River	MRV011-avg	-			5.2			-			-			-		
	MRV011-R1	-			4.8			-			-			-		
	MRV011-R1-D	-			4.9			-			-			-		
	MRV011-R1-D	-			5.4			-			-			-		
	MRV011-R2	-			5.4			-			-			-		
	MRV011-R3	-			5.2			-			-			-		
	MRV011-R3-D	-			5.3			-			-			-		
Blackfoot River, below Ballard Creek	MST019	-			4.8			-			-			-		
Blackfoot River, below State Land Creek	MST020	-			4.9			-			-			-		
Blackfoot River, below Trail Creek	MST021	-			5.1			-			-			-		
Blackfoot River, below Dry Valley Creek	MST023	-			4.4			-			-			-		
Blackfoot River, above Dry Valley Creek	MST024	-			4.4			-			-			-		
Blackfoot River, above Wooley Range Ridge Creek	MST026-avg	-			4.4			-			-			-		
	MST026-R1	-			4.4			-			-			-		
	MST026-R2	-			4.3			-			-			-		
	MST026-R3	-			4.4			-			-			-		
Blackfoot River, below Angus Creek	MST027	-			4.1			-			-			-		
Blackfoot River, above Diamond Creek Rd.	MST028	-			4.1			-			-			-		
Blackfoot River, above Spring Creek	MST029	-			3.7			-			-			-		
Little Blackfoot River, below Long Valley Creek	MST043	-			34			-			-			-		
Little Blackfoot River, above Reese Creek	MST049	-			6.3			-			-			-		
Lone Pine Creek, above Spring-Fed Creek	MST054	-			8.0			-			-			-		
Wooley Valley Creek, above Blackfoot River	MST088	-			5.3			-			-			-		
Caldwell Creek, below Phosphoria Formation outcrop	MST101-avg	-			7.2			-			-			-		
	MST101-R1	-			7.0			-			-			-		
	MST101-R2	-			7.2			-			-			-		
	MST101-R3	-			7.2			-			-			-		
	MST101-R3-D	-			7.3			-			-			-		
Angus Creek, below No Name Creek	MST127	-			5.4			-			-			-		
Angus Creek, below Wooley Valley Mine	MST129	-			5.4			-			-			-		
Angus Creek, below Upper Angus Creek Reservoir	MST130	-			8.1			-			-			-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Sodium

		1999														
Station		**Unfiltered**			**Filtered**			**Filtered**			**Filtered**			**Filtered**		
Name	**ID**	**Aug.**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**Oct.**	**RL**	**Flag**	**Nov.**	**RL**	**Flag**	**Dec.**	**RL**	**Flag**
Rasmussen Creek, below Enoch Valley Mine	MST133-avg	-			5.4			-			-			-		
	MST133	-			5.4			-			-			-		
	MST133-D	-			5.4			-			-			-		
Blackfoot River, below Spring Creek	MST229-avg	-			4.3			-			-			-		
	MST229-R1	-			4.3			-			-			-		
	MST229-R2	-			4.5			-			-			-		
	MST229-R3	-			4.2			-			-			-		
Blackfoot River, above State Land Creek	MST230-avg	-			4.7			-			-			-		
	MST230	-			4.6			-			-			-		
	MST230-D	-			4.7			-			-			-		
Blackfoot River, above Blackfoot Reservoir	MST232-avg	4.6			5.1			4.1			4.3			4.2		
	MST232	4.6			-			-			-			-		
	MST232-D	4.6			-			-			-			-		
	MST232-R1	-			-			4.0			4.3			4.3		
	MST232-R2	-			-			4.1			4.3			4.1		
	MST232-R3	-			-			4.1			4.2			4.1		
Meadow Creek, above Blackfoot Reservoir	MST235	-			0.018	0.50	U	-			-			-		
Stewart Creek, above Diamond Creek	MST236-avg	-			3.0			-			-			-		
	MST236-R1	-			2.9			-			-			-		
	MST236-R2	-			3.0			-			-			-		
	MST236-R3	-			3.0			-			-			-		
Timber Creek, above Diamond Creek	MST237-avg	-			4.1			-			-			-		
	MST237-R1	-			4.1			-			-			-		
	MST237-R2	-			4.0			-			-			-		
	MST237-R3	-			4.1			-			-			-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Sodium													
		Filtered											
Station		2000			2001			2002					
Name	ID	May	RL	Flag	May	RL	Flag	May	RL	Flag	Sept.	RL	Flag
Henry Mine South Pit Overburden Dump Limestone Drain	MDS022-avg	-			15	22	UJ	18			16	17	UJ
	MDS022-R1	-			-			24			-		
	MDS022-R2	-			-			15			-		
	MDS022-R3	-			-			15			-		
Enoch Valley Mine West Dump Seep	MDS025	-			12	22	UJ	13			-		
Enoch Valley Mine South Dump Seep	MDS026	-			16	22	UJ	8.7			17		J
Upper Blackfoot Reservoir	MRV001	7.6			-			-			-		
Upper Blackfoot Reservoir	MRV002-avg	9.2			-			-			-		
	MRV002-R1	9.5			-			-			-		
	MRV002-R2	8.9			-			-			-		
	MRV002-R3	9.3			-			-			-		
Upper Blackfoot Reservoir	MRV003	9.0			-			-			-		
Upper Blackfoot Reservoir	MRV004	9.3			-			-			-		
Upper Blackfoot Reservoir	MRV005	9.6			-			-			-		
Lower Blackfoot Reservoir	MRV006	11			-			-			-		
Lower Blackfoot Reservoir	MRV007-avg	11			-			-			-		
	MRV007-R1	11			-			-			-		
	MRV007-R2	11			-			-			-		
	MRV007-R3	11			-			-			-		
	MRV007-R3-D	10			-			-			-		
Lower Blackfoot Reservoir	MRV008	12			-			-			-		
Lower Blackfoot Reservoir	MRV009	12			-			-			-		
Lower Blackfoot Reservoir	MRV010	10			-			-			-		
Reservoir Delta at Blackfoot River	MRV011	-			-			4.2			4.5	17	UJ
\	MRV016	-			-			17			-		
Reservoir Delta at Meadow Creek	MRV017-avg	-			-			14			19		J
	MRV017-R1	-			-			-			19		J
	MRV017-R2	-			-			-			19		J
	MRV017-R3	-			-			-			19		J
Enoch Valley Mine, Hedin Spring	MSG001	-			-			5.5			5.5	17	UJ
Ballard Mine, Garden Hose Spring	MSG003	-			-			10			9.2	17	UJ
Ballard Mine, Holmgren Spring	MSG004	-			-			-			4.3	17	UJ
Ballard Mine, Cattle Spring	MSG005-avg	-			-			-			4.3	17	UJ
Ballard Mine Dredge Pond	MSP010-avg	-			12	22	UJ	7.2			28		J
	MSP010-R1	-			-			7.3			-		
	MSP010-R2	-			-			7.0			-		
	MSP010-R3	-			-			7.2			-		
Ballard Mine Upper Elk Pond	MSP011-avg	-			2.0	22	UJ	1.8			-		
	MSP011	-			2.3	22	UJ	-			-		
	MSP011-D	-			1.7	22	UJ	-			-		
Ballard Mine Lower Elk Pond	MSP012	-			1.2	22	UJ	1.6			-		
Henry Mine Henry Pond	MSP014	-			14	22	UJ	8.4			23		J
Henry Mine Smith Pond	MSP015	-			9.6	22	UJ	8.3			6.0	17	UJ

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Sodium													
		Filtered											
Station		2000			2001			2002					
Name	ID	May	RL	Flag	May	RL	Flag	May	RL	Flag	Sept.	RL	Flag
Henry Mine Center Henry Pond	MSP016-avg	-			9.6	22	UJ	7.9			17		J
	MSP016-R1	-			-			-			17		J
	MSP016-R2	-			-			-			17		J
	MSP016-R3	-			-			-			17		J
Enoch Valley Mine South Pond	MSP017	-			9.7	22	UJ	8.1			13	17	UJ
Enoch Valley Mine Keyhole Pond	MSP018	-			15	22	UJ	13			17		J
Enoch Valley Mine Bat Cave Pond	MSP019	-			4.7	22	UJ	4.9			6.7	17	UJ
Enoch Valley Mine West Pond	MSP020	-			3.4	22	UJ	4.1			8.2	17	UJ
Enoch Valley Mine Stock Pond	MSP021-avg	-			7.9	22	UJ	8.4			11	17	UJ
	MSP021-R1	-			-			8.7			-		
	MSP021-R2	-			-			8.4			-		
	MSP021-R3	-			-			8.2			-		
Enoch Valley Mine Tipple Pond	MSP022	-			9.4	22	UJ	9.5			18		J
Enoch Valley Mine Haul Road Pond	MSP023	-			5.3	22	UJ	5.3			17		J
Enoch Valley Mine Shop Pond	MSP031-avg	-			90		J	58			140		J
	MSP031	-			90		J	-			-		
	MSP031-D	-			90		J	-			-		
Henry Mine South Pit Pond	MSP055	-			5.6	22	UJ	58			-		
Ballard Mine Pit #4 Stock Pond	MSP059	-			1.6	22	UJ	1.2			-		
Blackfoot River, below Ballard Creek	MST019	4.8			-			5.3			4.0	17	UJ
Blackfoot River, below State Land Creek	MST020	4.1			-			4.4			4.3	17	UJ
Blackfoot River, below Trail Creek	MST021	4.4			-			4.0			4.4	17	UJ
Blackfoot River, below Wooley Valley Creek	MST022	4.6			-			3.8			4.5	17	UJ
Blackfoot River, below Dry Valley Creek	MST023	3.3			-			4.1			4.2	17	UJ
Blackfoot River, above Dry Valley Creek	MST024	4.2			-			4.0			-		
Below Wooley Range Ridge Creek	MST025	-			-			4.0			-		
Blackfoot River, above Wooley Range Ridge Creek	MST026-avg	3.8			-			4.0			-		
	MST026-R1	3.5			-			4.1			-		
	MST026-R1-D	3.8			-			-			-		
	MST026-R2	4.0			-			3.9			-		
	MST026-R3	3.6			-			3.9			-		
Blackfoot River, below Angus Creek	MST027-avg	3.9			-			3.9			4.2	17	UJ
	MST027	4.0			-			-			-		
	MST027-D	3.9			-			-			-		
Blackfoot River, above Diamond Creek Rd.	MST028-avg	3.8			-			3.5			4.1	17	UJ
	MST028	4.0			-			-			-		
	MST028-R	3.6			-			-			-		
Blackfoot River, above Spring Creek	MST029-avg	3.9			-			3.8			-		
	MST029	4.0			-			-			-		
	MST029-D	3.7			-			-			-		
	MST029-R1	-			-			3.8			-		
	MST029-R2	-			-			3.8			-		
	MST029-R3	-			-			3.8			-		
Little Blackfoot River, below Long Valley Creek	MST043-avg	32			-			49			-		
	MST043-R1	32			-			-			-		
	MST043-R2	32			-			-			-		
	MST043-R3	32			-			-			-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Sodium													
		Filtered											
Station		2000			2001			2002					
Name	ID	May	RL	Flag	May	RL	Flag	May	RL	Flag	Sept.	RL	Flag
Little Blackfoot River, above Henry Creek	MST045	-			-			51			-		
Little Blackfoot River, below Lone Pine Creek	MST046	-			-			9.7			-		
Little Blackfoot River, above Lone Pine Creek	MST047	-			-			62			-		
Little Blackfoot River, below Reese Creek	MST048	-			-			5.0			-		
Little Blackfoot River, above Reese Creek	MST049-avg	4.4			-			5.3			5.9	17	UJ
	MST049-R1	-			-			5.4			-		
	MST049-R2	-			-			5.3			-		
	MST049-R3	-			-			5.2			-		
	MST049-R4	-			-			-			-		
Long Valley Creek, below Ballard Mine, (ponded area)	MST050	-			-			9.4			-		
Lone Pine Creek, above Little Blackfoot River	MST053	-			-			8.9			-		
Lone Pine Creek, above Spring-Fed Creek	MST054-avg	8.3			-			8.5			-		
	MST054	8.3			-			-			-		
	MST054-R	8.2			-			-			-		
Lone Pine Creek, below Strip Mine Creek	MST055	-			-			8.3			-		
Lone Pine Creek, above Lone Pine Creek	MST057	-			-			7.1			9.2	17	U
Lone Pine Creek, above West Fork Lone Pine Creek	MST058	-			-			-			12	17	U
Strip Mine Creek, above Lone Pine Creek	MST062	-			-			8.3			-		
Strip Mine Creek, below Henry Mine	MST063	-			-			14			-		
West Fork Lone Pine Creek, above tributary	MST064	-			-			7.1			9.6	17	UJ
Ballard Creek, above Blackfoot River	MST066	-			-			17			-		
Ballard Creek headwaters	MST067	-			-			25			-		
Short Creek, below Ballard Mine	MST069-avg	-			-			25			25		J
	MST069-R1	-			-			26			-		
	MST069-R2	-			-			25			-		
	MST069-R3	-			-			24			-		
Wooley Valley Creek, above Blackfoot River	MST088	7.1			-			-			-		
Wooley Valley Creek, below North Fork Wooley Valley Creek	MST089	-			-			8.4			-		
Wooley Valley Creek, above North Fork Wooley Valley Creek	MST090	-			-			8.9			-		
North Fork Wooley Valley Creek, above Wooley Valley Creek	MST092	-			-			9.0			-		
North Fork Wooley Valley Creek, above Ballard Mine	MST093	-			-			7.6			-		
Spring-fed trib. #1 of N. Fork Wooley Valley Cr., below Ballard Mine	MST094	-			-			2.6			-		
Spring-fed trib. #2 of N. Fork Wooley Valley Cr., below Ballard Mine	MST095	7.0			-			7.4			-		
Tributary of North Fork Wooley, below Ballard Mine	MST096	5.8			-			5.6			-		
Caldwell Creek, below Phosphoria Formation outcrop	MST101-avg	6.6			-			4.0			7.4	17	UJ
	MST101-R1	7.0			-			-			-		
	MST101-R2	6.0			-			-			-		
	MST101-R3	6.8			-			-			-		
Angus Creek, above Blackfoot River	MST126-avg	-			-			5.3			6.3	17	UJ
	MST126-R1	-			-			-			6.4	17	UJ
	MST126-R2	-			-			-			6.3	17	UJ
	MST126-R3	-			-			-			6.3	17	UJ
Angus Creek, below No Name Creek	MST127	4.9			-			5.4			5.7	17	UJ
Angus Creek, above Rasmussen Creek	MST128	-			-			4.8			5.6	17	UJ

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Sodium													
		Filtered											
Station		2000			2001			2002					
Name	ID	May	RL	Flag	May	RL	Flag	May	RL	Flag	Sept.	RL	Flag
Angus Creek, below Wooley Valley Mine	MST129	5.5			-			5.5			-		
Angus Creek, below Upper Angus Creek Reservoir	MST130-avg	7.6			-			7.7			-		
	MST130-R1	-			-			7.9			-		
	MST130-R2	-			-			7.8			-		
	MST130-R3	-			-			7.3			-		
Rassmussen Creek, above Angus Creek	MST131	-			-			5.4			6.0	17	UJ
Angus Creek, below Rasmussen Creek	MST132	-			-			5.6			5.7	17	UJ
Rasmussen Creek, below Enoch Valley Mine	MST133	4.7			-			3.9			-		
Rasmussen Creek, below West Pond Creek	MST134	-			-			4.2			-		
Rasmussen Creek, above West Pond Creek	MST135	-			-			3.5			-		
Rasmussen Creek headwaters, near Enoch Valley Mine Shop Pond	MST136	-			-			8.0			-		
East Fork Rasmussen Creek, above Rasmussen Creek	MST143	9.1			-			12			-		
East Fork Lone Pine Creek, below Wooley Valley Mine	MST226	3.0			-			2.5			-		
Blackfoot River, below Spring Creek	MST229-avg	3.2			-			3.6			-		
	MST229-R1	2.8			-			-			-		
	MST229-R2	2.9			-			-			-		
	MST229-R3	4.0			-			-			-		
Blackfoot River, above State Land Creek	MST230	4.4			-			4.6			-		
Blackfoot River, below Woodall Mountain Creek	MST231	-			-			4.3			4.4	17	UJ
Blackfoot River, above Blackfoot Reservoir	MST232-avg	4.5			-			4.1			4.5	17	UJ
	MST232-R1	-			-			-			4.4	17	UJ
	MST232-R2	-			-			-			4.5	17	UJ
	MST232-R3	-			-			-			4.5	17	UJ
Little Blackfoot River, above Blackfoot Reservoir	MST234	-			-			15			13	17	UJ
Meadow Creek, above Blackfoot Reservoir	MST235	10			-			13			18	17	UJ
Stewart Creek, above Diamond Creek	MST236-avg	3.2			-			-			2.5	17	UJ
	MST236-R1	3.6			-			-			-		
	MST236-R2	3.1			-			-			-		
	MST236-R3	3.0			-			-			-		
Timber Creek, above Diamond Creek	MST237-avg	2.6			-			3.7			3.6	17	UJ
	MST237-R1	2.7			-			3.8			3.5	17	UJ
	MST237-R2	2.8			-			3.7			3.6	17	UJ
	MST237-R3	2.4			-			3.7			3.6	17	UJ
Little Blackfoot River, upstream of Henry cutoff road	MST254	-			-			3.8			-		
East Fork Rasmussen Creek headwaters	MST269	-			-			-			4.5	17	UJ
Wooley Valley Creek, above Loadout Creek at road	MST272	-			-			6.5			-		
Wooley Valley Creek, above ponding and below MST089	MST273	-			-			10			-		
West Fork Rasmussen Creek, above Rasmussen Creek	MST274	-			-			4.5			4.1	17	UJ
N. Fork Lone Pine Creek, NE and above East Fork Lone Pine Creek	MST275	-			-			-			24		
Tributary to W. Fork Lone Pine Cr., above West Fork Lone Pine Creek	MST276	-			-			6.1			7.5	17	UJ

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Sulfate													
		Filtered											
Station		1998						1999					
Name	ID	May	RL	Flag	Sept.	RL	Flag	May	RL	Flag	June	RL	Flag
Henry Mine South Pit Overburden Dump Limestone Drain	MDS022	66			79			-			-		
Enoch Valley Shop/Office Well	MPW019	8.9			8.0			-			-		
Ballard Mine Upper Elk Pond	MSP011	17			-			-			-		
Blackfoot River, below Ballard Creek	MST019	12			11			11			-		
Blackfoot River, below State Land Creek	MST020	12			11			10			-		
Blackfoot River, below Wooley Valley Creek	MST022	11			11			10			-		
Blackfoot River, below Dry Valley Creek	MST023	12			11			8.9			-		
Blackfoot River, above Dry Valley Creek	MST024	9.3			11			7.0			-		
Blackfoot River, above Wooley Range Ridge Creek	MST026-avg	9.9			11			8.2			-		
	MST026-R1	-			-			8.4			-		
	MST026-R2	-			-			8.4			-		
	MST026-R3	-			-			7.7			-		
Blackfoot River, above Spring Creek	MST029	9.4			10			6.6			-		
Little Blackfoot River, below Long Valley Creek	MST043	41			78			-			-		
Little Blackfoot River, immediately below Henry Mine	MST044-avg	47			150			-			-		
	MST044-R0	49			NA			-			-		
	MST044-R1	47			NA			-			-		
	MST044-R2	44			NA			-			-		
	MST044-R3	46			NA			-			-		
	MST044-R4	47			NA			-			-		
Little Blackfoot River, below Lone Pine Creek	MST046-avg	17			41			-			-		
	MST046	-			41			-			-		
	MST046-D	-			41			-			-		
Little Blackfoot River, above Lone Pine Creek	MST047	16			45			-			-		
Little Blackfoot River, below Reese Creek	MST048	4.1			5.5			-			-		
Little Blackfoot River, above Reese Creek	MST049	3.4			4.9			-			-		
Caldwell Creek, below Phosphoria Formation outcrop	MST101	14			11			-			-		
Angus Creek, below Wooley Valley Mine	MST129-avg	53			76			-			-		
	MST129	53			-			-			-		
	MST129-D	52			-			-			-		
Rassmussen Creek, above Angus Creek	MST131	23			13			-			-		
Angus Creek, below Rasmussen Creek	MST132	25			58			-			-		
Blackfoot River, below Spring Creek	MST229	-			-			8.7			-		
Blackfoot River, above Blackfoot Reservoir	MST232-avg	-			-			12			11		
	MST232	-			-			12			-		
	MST232-D	-			-			12			-		
	MST232-R1	-			-			-			11		
	MST232-R2	-			-			-			11		
	MST232-R3	-			-			-			12		
	MST232-R3-D	-			-			-			12		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Sulfate

		Filtered														
Station		1999														
Name	ID	July	RL	Flag	Aug.	RL	Flag	Sept.	RL	Flag	Oct.	RL	Flag	Nov.	RL	Flag
Upper Blackfoot Reservoir	MRV001-avg	-			-			17			-			-		
	MRV001	-			-			17			-			-		
	MRV001-D	-			-			17			-			-		
Upper Blackfoot Reservoir	MRV002-avg	-			-			18			-			-		
	MRV002-R1	-			-			18			-			-		
	MRV002-R2	-			-			18			-			-		
	MRV002-R3	-			-			18			-			-		
	MRV002-R3-D	-			-			18			-			-		
Upper Blackfoot Reservoir	MRV003	-			-			20			-			-		
Upper Blackfoot Reservoir	MRV004	-			-			18			-			-		
Upper Blackfoot Reservoir	MRV005	-			-			18			-			-		
Lower Blackfoot Reservoir	MRV006	-			-			17			-			-		
Lower Blackfoot Reservoir	MRV007-avg	-			-			17			-			-		
	MRV007-R1	-			-			17			-			-		
	MRV007-R2	-			-			17			-			-		
	MRV007-R3	-			-			18			-			-		
Lower Blackfoot Reservoir	MRV008-avg	-			-			18			-			-		
	MRV008	-			-			17			-			-		
	MRV008-D	-			-			18			-			-		
Lower Blackfoot Reservoir	MRV009	-			-			18			-			-		
Lower Blackfoot Reservoir	MRV0010	-			-			18			-			-		
Reservoir Delta at Blackfoot River	MRV011-avg	-			-			15			-			-		
	MRV011-R1	-			-			14			-			-		
	MRV011-R1-D	-			-			16			-			-		
	MRV011-R2	-			-			16			-			-		
	MRV011-R3	-			-			15			-			-		
Blackfoot River, below Ballard Creek	MST019	-			-			12			-			-		
Blackfoot River, below State Land Creek	MST020	-			-			12			-			-		
Blackfoot River, below Trail Creek	MST021	-			-			13			-			-		
Blackfoot River, below Dry Valley Creek	MST023	-			-			12			-			-		
Blackfoot River, above Dry Valley Creek	MST024	-			-			11			-			-		
Blackfoot River, above Wooley Range Ridge Creek	MST026-avg	-			-			11			-			-		
	MST026-R1	-			-			12			-			-		
	MST026-R1-D	-			-			11			-			-		
	MST026-R2	-			-			11			-			-		
	MST026-R3	-			-			11			-			-		
Blackfoot River, below Angus Creek	MST027	-			-			11			-			-		
Blackfoot River, above Diamond Creek Rd.	MST028	-			-			10			-			-		
Blackfoot River, above Spring Creek	MST029	-			-			8.0			-			-		
Little Blackfoot River, below Long Valley Creek	MST043	-			-			83			-			-		
Little Blackfoot River, above Reese Creek	MST049	-			-			8.0			-			-		
Lone Pine Creek, above Spring-Fed Creek	MST054	-			-			10			-			-		
Wooley Valley Creek, above Blackfoot River	MST088	-			-			12			-			-		
Caldwell Creek, below Phosphoria Formation outcrop	MST101-avg	-			-			11			-			-		
	MST101-R1	-			-			11			-			-		
	MST101-R2	-			-			11			-			-		
	MST101-R3	-			-			11			-			-		
Angus Creek, below No Name Creek	MST127	-			-			30			-			-		
Angus Creek, below Wooley Valley Mine	MST129	-			-			41			-			-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Sulfate																
		Filtered														
Station		1999														
Name	ID	July	RL	Flag	Aug.	RL	Flag	Sept.	RL	Flag	Oct.	RL	Flag	Nov.	RL	Flag
Angus Creek, below Upper Angus Creek Reservoir	MST130	-			-			200			-			-		
Rasmussen Creek, below Enoch Valley Mine	MST133	-			-			26			-			-		
Blackfoot River, below Spring Creek	MST229-avg	-			-			9.8			-			-		
	MST229-R1	-			-			9.6			-			-		
	MST229-R2	-			-			10			-			-		
	MST229-R3	-			-			9.8			-			-		
Blackfoot River, above State Land Creek	MST230	-			-			13			-			-		
Blackfoot River, above Blackfoot Reservoir	MST232-avg	12			13			15			11			17		
	MST232	-			13			-			-			-		
	MST232-D	-			13			-			-			-		
	MST232-R1	12			-			-			11			17		
	MST232-R1-D	-			-			-			12			-		
	MST232-R2	12			-			-			10			17		
	MST232-R3	-			-			-			11			17		
Meadow Creek, above Blackfoot Reservoir	MST235	-			-			26			-			-		
Stewart Creek, above Diamond Creek	MST236-avg	-			-			7.6			-			-		
	MST236-R1	-			-			7.7			-			-		
	MST236-R2	-			-			7.2			-			-		
	MST236-R3	-			-			7.9			-			-		
Timber Creek, above Diamond Creek	MST237-avg	-			-			13			-			-		
	MST237-R1	-			-			13			-			-		
	MST237-R2	-			-			13			-			-		
	MST237-R3	-			-			13			-			-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Sulfate																
		Filtered														
Station		1999			2000			2001			2002					
Name	ID	Dec.	RL	Flag	May	RL	Flag	May	RL	Flag	May	RL	Flag	Sept.	RL	Flag
Henry Mine South Pit Overburden Dump Limestone Drain	MDS022-avg	-			-			76		J	57		J	38		J
	MDS022-R1	-			-			-			65		J	-		
	MDS022-R2	-			-			-			55		J	-		
	MDS022-R3	-			-			-			50		J	-		
Enoch Valley Mine West Dump Seep	MDS025	-			-			700		J	620		J	-		
Enoch Valley Mine South Dump Seep	MDS026-avg	-			-			650		J	470		J	620		J
	MDS026	-			-			640		J	-			-		
	MDS026-D	-			-			650		J	-			-		
Upper Blackfoot Reservoir	MRV001	-			19			-			-			-		
Upper Blackfoot Reservoir	MRV002-avg	-			20			-			-			-		
	MRV002-R1	-			20			-			-			-		
	MRV002-R1-D	-			20			-			-			-		
	MRV002-R2	-			20			-			-			-		
	MRV002-R3	-			20			-			-			-		
Upper Blackfoot Reservoir	MRV003	-			20			-			-			-		
Upper Blackfoot Reservoir	MRV004	-			21			-			-			-		
Upper Blackfoot Reservoir	MRV005	-			21			-			-			-		
Lower Blackfoot Reservoir	MRV006	-			22			-			-			-		
Lower Blackfoot Reservoir	MRV007-avg	-			22			-			-			-		
	MRV007-R1	-			21			-			-			-		
	MRV007-R1-D	-			21			-			-			-		
	MRV007-R2	-			22			-			-			-		
	MRV007-R3	-			22			-			-			-		
Lower Blackfoot Reservoir	MRV008	-			22			-			-			-		
Lower Blackfoot Reservoir	MRV009	-			22			-			-			-		
Lower Blackfoot Reservoir	MRV0010	-			22			-			-			-		
Reservoir Delta at Blackfoot River	MRV011	-			-			-			12		J	16		J
Reservoir Delta at Little Blackfoot River	MRV016	-			-			-			49		J	-		
Reservoir Delta at Meadow Creek	MRV017-avg	-			-			-			29		J	43		J
	MRV017-R1	-			-			-			-			47		J
	MRV017-R2	-			-			-			-			47		J
	MRV017-R3	-			-			-			-			34		J
Enoch Valley Mine, Hedin Spring	MSG001	-			-			-			9.8		J	11		J
Ballard Mine, Garden Hose Spring	MSG003	-			-			-			120		J	120		J
Ballard Mine, Holmgren Spring	MSG004	-			-			-			-			45		J
Ballard Mine, Cattle Spring	MSG005	-			-			-			-			31		J
Ballard Mine Dredge Pond	MSP010-avg	-			-			630		J	150		J	1400		J
	MSP010-R1	-			-			-			150		J	-		
	MSP010-R2	-			-			-			150		J	-		
	MSP010-R3	-			-			-			150		J	-		
Ballard Mine Upper Elk Pond	MSP011	-			-			13		J	12		J	-		
Ballard Mine Lower Elk Pond	MSP012	-			-			42		J	29		J	-		
Henry Mine Henry Pond	MSP014	-			-			430		J	390		J	940		J
Henry Mine Smith Pond	MSP015	-			-			500		J	230		J	300		J
Henry Mine Center Henry Pond	MSP016-avg	-			-			230		J	180		J	260		J
	MSP016-R1	-			-			-			-			260		J
	MSP016-R2	-			-			-			-			260		J
	MSP016-R3	-			-			-			-			250		J

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Sulfate

		Filtered														
Station		**1999**			**2000**			**2001**			**2002**					
Name	**ID**	**Dec.**	**RL**	**Flag**	**May**	**RL**	**Flag**	**May**	**RL**	**Flag**	**May**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**
Enoch Valley Mine South Pond	MSP017	-			-			700		J	720		J	1100		J
Enoch Valley Mine Keyhole Pond	MSP018	-			-			1500		J	1300		J	1500		J
Enoch Valley Mine Bat Cave Pond	MSP019	-			-			220		J	190		J	230		J
Enoch Valley Mine West Pond	MSP020	-			-			280		J	250		J	500		J
Enoch Valley Mine Stock Pond	MSP021-avg	-			-			480		J	470		J	-		
	MSP021-R1	-			-			-			490		J	-		
	MSP021-R2	-			-			-			450		J	-		
	MSP021-R3	-			-			-			470		J	-		
Enoch Valley Mine Tipple Pond	MSP022	-			-			320		J	140		J	340		J
Enoch Valley Mine Haul Road Pond	MSP023	-			-			160		J	93		J	-		
Enoch Valley Mine Shop Pond	MSP031-avg	-			-			120		J	39		J	85		J
	MSP031	-			-			120		J	-			-		
	MSP031-D	-			-			120		J	-			-		
Henry Mine South Pit Pond	MSP055	-			-			700		J	230		J	-		
Ballard Mine Pit #4 Stock Pond	MSP059	-			-			13		J	2.0		J	-		
Blackfoot River, below Ballard Creek	MST019-avg	-			13			-			14		J	11		J
	MST019	-			13			-			-			-		
	MST019-D	-			13			-			-			-		
Blackfoot River, below State Land Creek	MST020	-			12			-			11		J	13		J
Blackfoot River, below Trail Creek	MST021	-			12			-			11		J	11		J
Blackfoot River, below Wooley Valley Creek	MST022	-			13			-			11		J	10		J
Blackfoot River, below Dry Valley Creek	MST023	-			11			-			11		J	11		J
Blackfoot River, above Dry Valley Creek	MST024	-			10			-			9.9		J	-		
Blackfoot River, below Wooley Range Ridge Creek	MST025	-			-			-			9.9		J	-		
Blackfoot River, above Wooley Range Ridge Creek	MST026-avg	-			10			-			9.9		J	-		
	MST026-R1	-			10			-			9.9		J	-		
	MST026-R2	-			10			-			9.8		J	-		
	MST026-R2-D	-			9.9			-			-			-		
	MST026-R3	-			9.9			-			9.9		J	-		
Blackfoot River, below Angus Creek	MST027-avg	-			10			-			10		J	10		J
	MST027	-			10			-			-			-		
	MST027-D	-			10			-			-			-		
Blackfoot River, above Diamond Creek Rd.	MST028	-			10			-			9.2		J	11		J
Blackfoot River, above Spring Creek	MST029-avg	-			10			-			8.8		J	-		
	MST029-R1	-			-			-			8.7		J	-		
	MST029-R2	-			-			-			8.9		J	-		
	MST029-R3	-			-			-			8.8		J	-		
Little Blackfoot River, below Long Valley Creek	MST043-avg	-			77			-			110		J	-		
	MST043-R1	-			77			-			-			-		
	MST043-R2	-			76			-			-			-		
	MST043-R3	-			77			-			-			-		
Little Blackfoot River, immediately below Henry Mine	MST044	-			-			-			110		J	-		
Little Blackfoot River, above Henry Creek	MST045	-			-			-			130		J	-		
Little Blackfoot River, below Lone Pine Creek	MST046	-			-			-			21		J	-		
Little Blackfoot River, above Lone Pine Creek	MST047	-			-			-			140		J	-		
Little Blackfoot River, below Reese Creek	MST048	-			-			-			8.3		J	-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

		Sulfate														
		Filtered														
Station		1999			2000			2001			2002					
Name	ID	Dec.	RL	Flag	May	RL	Flag	May	RL	Flag	May	RL	Flag	Sept.	RL	Flag
Little Blackfoot River, above Reese Creek	MST049-avg	-			3.7			-			8.9		J	8.2		J
	MST049	-			3.7			-			-			-		
	MST049-D	-			3.7			-			-			-		
	MST049-R1	-			-			-			8.9		J	-		
	MST049-R2	-			-			-			8.8		J	-		
	MST049-R3	-			-			-			8.9		J	-		
Long Valley Creek, below Ballard Mine, (ponded area)	MST050	-			-			-			110		J	-		
Lone Pine Creek, above Little Blackfoot River	MST053	-			-			-			18		J	-		
Lone Pine Creek, above Spring-Fed Creek	MST054	-			13			-			15		J	-		
Lone Pine Creek, below Strip Mine Creek	MST055	-			-			-			18		J	-		
Lone Pine Creek, above Lone Pine Creek	MST057	-			-			-			51		J	27		J
Lone Pine Creek, above West Fork Lone Pine Creek	MST058	-			-			-			-			13		J
Strip Mine Creek, above Lone Pine Creek	MST062	-			-			-			21		J	-		
Strip Mine Creek, below Henry Mine	MST063	-			-			-			130		J	-		
West Fork Lone Pine Creek, above tributary	MST064	-			-			-			37		J	27		J
Ballard Creek, above Blackfoot River	MST066	-			-			-			73		J	-		
Ballard Creek headwaters	MST067	-			-			-			780		J	-		
Short Creek, below Ballard Mine	MST069-avg	-			-			-			1000		J	990		J
	MST069-R1	-			-			-			1000		J	-		
	MST069-R2	-			-			-			1000		J	-		
	MST069-R3	-			-			-			1000		J	-		
Wooley Valley Creek, above Blackfoot River	MST088	-			18			-			-			-		
Wooley Valley Creek, below North Fork Wooley Valley Creek	MST089	-			-			-			20		J	-		
Wooley Valley Creek, above North Fork Wooley Valley Creek	MST090	-			-			-			14		J	-		
North Fork Wooley Valley Creek, above Wooley Valley Creek	MST092	-			-			-			74		J	-		
North Fork Wooley Valley Creek, above Ballard Mine	MST093	-			-			-			18		J	-		
Spring-fed trib. #1 of N. Fork Wooley Valley Cr., below Ballard Mine	MST094	-			-			-			7.7		J	-		
Spring-fed trib. #2 of N. Fork Wooley Valley Cr., below Ballard Mine	MST095	-			69			-			290		J	-		
Tributary of North Fork Wooley, below Ballard Mine	MST096	-			110			-			110		J	-		
Caldwell Creek, below Phosphoria Formation outcrop	MST101-avg	-			14			-			12		J	26		J
	MST101-R1	-			14			-			-			-		
	MST101-R2	-			14			-			-			-		
	MST101-R2-D	-			14			-			-			-		
	MST101-R3	-			14			-			-			-		
Angus Creek, above Blackfoot River	MST126-avg	-			-			-			42		J	21		J
	MST126-R1	-			-			-			-			21		J
	MST126-R2	-			-			-			-			21		J
	MST126-R3	-			-			-			-			21		J
Angus Creek, below No Name Creek	MST127-avg	-			35			-			48		J	39		J
	MST127	-			35			-			-		J	-		J
	MST127-D	-			35			-			-			-		
Angus Creek, above Rasmussen Creek	MST128	-			-			-			25		J	43		J
Angus Creek, below Wooley Valley Mine	MST129	-			54			-			48		J	-		
Angus Creek, below Upper Angus Creek Reservoir	MST130-avg	-			260			-			230		J	-		
	MST130-R1	-			-			-			220		J	-		
	MST130-R2	-			-			-			230		J	-		
	MST130-R3	-			-			-			220		J	-		
Rassmussen Creek, above Angus Creek	MST131	-			-			-			19		J	11		J
Angus Creek, below Rasmussen Creek	MST132	-			-			-			39		J	32		J
Rasmussen Creek, below Enoch Valley Mine	MST133	-			23			-			14		J	-		
Rasmussen Creek, below West Pond Creek	MST134	-			-			-			39		J	-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

Sulfate

		Filtered														
Station		**1999**			**2000**			**2001**			**2002**					
Name	**ID**	**Dec.**	**RL**	**Flag**	**May**	**RL**	**Flag**	**May**	**RL**	**Flag**	**May**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**
Rasmussen Creek, above West Pond Creek	MST135	-			-			-			2.7		J	-		
Rasmussen Creek headwaters near Enoch Valley Mine Shop Pond	MST136	-			-			-			150		J	-		
East Fork Rasmussen Creek, above Rasmussen Creek	MST143	-			140			-			160		J	-		
East Fork Lone Pine Creek, below Wooley Valley Mine	MST226	-			9.3			-			8.2		J	-		
Blackfoot River, below Spring Creek	MST229-avg	-			9.2			-			9.2		J	-		
	MST229-R1	-			9.3			-			-			-		
	MST229-R2	-			9.2			-			-			-		
	MST229-R3	-			9.2			-			-			-		
Blackfoot River, above State Land Creek	MST230-avg	-			13			-			11		J	-		
	MST230-R1	-			-			-			-			-		
	MST230-R2	-			-			-			-			-		
	MST230-R3	-			-			-			-			-		
Blackfoot River, below Woodall Mountain Creek	MST231	-			-			-			12		J	15		J
Blackfoot River, above Blackfoot Reservoir	MST232-avg	17			12			-			13		J	17		J
	MST232-R1	17			-			-			-			17		J
	MST232-R2	17			-			-			-			17		J
	MST232-R3	18			-			-			-			17		J
Little Blackfoot River, above Blackfoot Reservoir	MST234	-			-			-			51		J	28		J
Meadow Creek, above Blackfoot Reservoir	MST235	-			-			-			30		J	29		J
Stewart Creek, above Diamond Creek	MST236-avg	-			13			-			-			7.6		J
	MST236-R1	-			13			-			-			-		
	MST236-R2	-			13			-			-			-		
	MST236-R2-D	-			13			-			-			-		
	MST236-R3	-			12			-			-			-		
Timber Creek, above Diamond Creek	MST237-avg	-			7.3			-			9.0	9.3<x<9.5	UJ	14		J
	MST237-R1	-			7.3			-			14		J	14		J
	MST237-R1-D	-			7.3			-			-			-		
	MST237-R2	-			7.2			-			14		J	14		J
	MST237-R3	-			7.4			-			0	0.50	UJ	13		J
Little Blackfoot River, upstream of Henry cutoff road	MST254	-			-			-			8.5		J	-		
East Fork Rasmussen Creek headwaters	MST269	-			-			-			-			55		J
Wooley Valley Creek, above Loadout Creek at road	MST272	-			-			-			20		J	-		
Wooley Valley Creek, above ponding and below MST089	MST273	-			-			-			11		J	-		
West Fork Rasmussen Creek, above Rasmussen Creek	MST274	-			-			-			34		J	18		J
N. Fork Lone Pine Creek, NE and above East Fork Lone Pine Creek	MST275	-			-			-			-			27		J
Tributary to W. Fork Lone Pine Creek, above W. Fork Lone Pine Creek	MST276	-			-			-			59		J	39		J

Notes:

All data have been reported uncensored. Laboratory (D, D1) and field replicates (R1, R2, R3) are shown as unaveraged as well as averaged where appropriate. Results for filtered and unfiltered samples have been reported where applicable.

Data qualifier definitions are:

(U) - The material was analyzed for, but was not detected above the level of the associated value. The associated value is the sample reporting limit.

(J) - The result is an estimated quantity.

(R) - The data are unusable.

(UJ) - The material was analyzed for, but was not detected above the level of the associated value. The result is an estimate and may be inaccurate or imprecise.

RL - Reporting Limit.

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

		Aluminum			Antimony			Arsenic		
		Filtered			Filtered			Filtered		
Station		2001			2001			2001		
Name	ID	May	RL	Flag	May	RL	Flag	May	RL	Flag
Henry Mine South Pit Overburden Dump Limestone Drain	MDS022	0.00067	0.034	UJ	0.00012	0.0025	U	0.00042	0.00050	U
Enoch Valley Mine West Dump Seep	MDS025	0.00086	0.034	UJ	0.00012	0.0025	U	0.0081		
Enoch Valley Mine South Dump Seep	MDS026-avg	0.00037	0.034	UJ	0.00010	0.0025	U	0.00037	0.00050	U
	MDS026	0.00049	0.034	UJ	0.00010	0.0025	U	0.00036	0.00050	U
	MDS026-D	0.00025	0.034	UJ	0.00010	0.0025	U	0.00037	0.00050	U
Ballard Mine Dredge Pond	MSP010	0.0013	0.034	UJ	0.0014	0.0025	U	0.0033		
Ballard Mine Upper Elk Pond	MSP011	0.011	0.034	UJ	0.00086	0.0025	U	0.0061		
Ballard Mine Lower Elk Pond	MSP012	0.0054	0.034	UJ	0.0011	0.0025	U	0.0039		
Henry Mine Henry Pond	MSP014	0.0017	0.034	UJ	0.00034	0.0025	U	0.0016		
Henry Mine Smith Pond	MSP015	0.0010	0.034	UJ	0.00046	0.0025	U	0.0021		
Henry Mine Center Henry Pond	MSP016-avg	0.0072	0.034	UJ	0.00049	0.0025	U	0.0013		
	MSP016	0.0073	0.034	UJ	0.00048	0.0025	U	0.0013		
	MSP016-D	0.0071	0.034	UJ	0.00049	0.0025	U	0.0012		
Enoch Valley Mine South Pond	MSP017	0.0035	0.034	UJ	0.00052	0.0025	U	0.0010		
Enoch Valley Mine Keyhole Pond	MSP018	0.074		J	0.0015	0.0025	U	0.00082		
Enoch Valley Mine Bat Cave Pond	MSP019	0.0062	0.034	UJ	0.00086	0.0025	U	0.0033		
Enoch Valley Mine West Pond	MSP020	0.0070	0.034	UJ	0.00050	0.0025	U	0.0015		
Enoch Valley Mine Stock Pond	MSP021	0.0024	0.034	UJ	0.00057	0.0025	U	0.0016		
Enoch Valley Mine Tipple Pond	MSP022	0.0041	0.034	UJ	0.00028	0.0025	U	0.0018		
Enoch Valley Mine Haul Road Pond	MSP023	0.0057	0.034	UJ	0.00062	0.0025	U	0.0036		
Enoch Valley Mine Shop Pond	MSP031	0.016	0.034	UJ	0.0019	0.0025	U	0.0027		
Henry Mine South Pit Pond	MSP055	0.0023	0.034	UJ	0.00070	0.0025	U	0.00080		
Ballard Mine Pit #4 Stock Pond	MSP059	0.038		J	0.0010	0.0025	U	0.0030		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

		Barium			Beryllium			Cobalt		
					Filtered			Filtered		
Station		2001			2001			2002		
Name	ID	May	RL	Flag	May	RL	Flag	May	RL	Flag
Henry Mine South Pit Overburden Dump Limestone Drain	MDS022-avg	0.015	0.065	UJ	0.00020	0.0050	U	-0.00067	0.010	U
	MDS022-R1	-			-			0.0020	0.010	U
	MDS022-R2	-			-			0	0.010	U
	MDS022-R3	-			-			-0.0040	0.010	U
Enoch Valley Mine West Dump Seep	MDS025	0.031	0.065	UJ	0.00020	0.0050	U	0.030		
Enoch Valley Mine South Dump Seep	MDS026	0.023	0.065	UJ	-0.0034	0.0050	U	-0.0010	0.010	U
Reservoir Delta at Blackfoot River	MRV011	-			-			0.0030	0.010	U
Reservoir Delta at Little Blackfoot River	MRV016	-			-			0.0010	0.010	U
Reservoir Delta at Meadow Creek	MRV017	-			-			-0.00050	0.010	U
Enoch Valley Mine, Hedin Spring	MSG001	-			-			0.0010	0.010	U
Ballard Mine, Garden Hose Spring	MSG003	-			-			-0.0010	0.010	U
Ballard Mine Dredge Pond	MSP010-avg	0.034	0.065	UJ	0.00030	0.0050	U	0.00050	0.010	U
	MSP010-R1	-			-			0	0.010	U
	MSP010-R2	-			-			0.0020	0.010	U
	MSP010-R3	-			-			-0.00050	0.010	U
Ballard Mine Upper Elk Pond	MSP011-avg	0.0075	0.065	UJ	0.00015	0.0050	U	0.0020	0.010	U
	MSP011	0.0080	0.065	UJ	0.00010	0.0050	U	-		
	MSP011-D	0.0070	0.065	UJ	0.00020	0.0050	U	-		
Ballard Mine Lower Elk Pond	MSP012	0.0077	0.065	UJ	0.00010	0.0050	U	-0.0010	0.010	U
Henry Mine Henry Pond	MSP014	0.030	0.065	UJ	0.00040	0.0050	U	0.0020	0.010	U
Henry Mine Smith Pond	MSP015	0.030	0.065	UJ	0	0.0050	U	0.0030	0.010	U
Henry Mine Center Henry Pond	MSP016	0.036	0.065	UJ	0.00020	0.0050	U	0	0.010	U
Enoch Valley Mine South Pond	MSP017	0.020	0.065	UJ	-0.0035	0.0050	U	0.0030	0.010	U
Enoch Valley Mine Keyhole Pond	MSP018	0.0061	0.065	UJ	-0.0035	0.0050	U	0.020		
Enoch Valley Mine Bat Cave Pond	MSP019	0.011	0.065	UJ	-0.0034	0.0050	U	0.0010	0.010	U
Enoch Valley Mine West Pond	MSP020	0.015	0.065	UJ	-0.0033	0.0050	U	0.0030	0.010	U
Enoch Valley Mine Stock Pond	MSP021-avg	0.011	0.065	UJ	-0.0035	0.0050	U	0.00083	0.010	U
	MSP021-R1	-			-			0.0040	0.010	U
	MSP021-R2	-			-			-0.0010	0.010	U
	MSP021-R2	-			-			-0.00050	0.010	U
Enoch Valley Mine Tipple Pond	MSP022	0.068		J	-0.0035	0.0050	U	-0.0020	0.010	U
Enoch Valley Mine Haul Road Pond	MSP023	0.032	0.065	UJ	-0.0034	0.0050	U	0.0010	0.010	U
Enoch Valley Mine Shop Pond	MSP031-avg	0.028	0.065	UJ	-0.0035	0.0050	U	-0.0010	0.010	U
	MSP031	0.028	0.065	UJ	-0.0033	0.0050	U	-		
	MSP031-D	0.027	0.065	UJ	-0.0037	0.0050	U	-		
Henry Mine South Pit Pond	MSP055	0.018	0.065	UJ	-0.0036	0.0050	U	0.0020	0.010	U
Ballard Mine Pit #4 Stock Pond	MSP059	0.016	0.065	UJ	0.00040	0.0050	U	-0.00050	0.010	U
Blackfoot River, below Ballard Creek	MST019	-			-			-0.0020	0.010	U
Blackfoot River, below State Land Creek	MST020	-			-			-0.0020	0.010	U
Blackfoot River, below Trail Creek	MST021	-			-			-0.0020	0.010	U
Blackfoot River, below Wooley Valley Creek	MST022	-			-			0.0020	0.010	U
Blackfoot River, below Dry Valley Creek	MST023	-			-			-0.0020	0.010	U
Blackfoot River, above Dry Valley Creek	MST024	-			-			0.0050	0.010	U
Blackfoot River, below Wooley Range Ridge Creek	MST025	-			-			-0.0030	0.010	U
Blackfoot River, above Wooley Range Ridge Creek	MST026-avg	-			-			-0.0010	0.010	U
	MST026-R1	-			-			-0.0020	0.010	U
	MST026-R2	-			-			-0.0020	0.010	U
	MST026-R3	-			-			0.0010	0.010	U

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

		Barium			Beryllium			Cobalt		
					Filtered			Filtered		
Station		2001			2001			2002		
Name	ID	May	RL	Flag	May	RL	Flag	May	RL	Flag
Blackfoot River, below Angus Creek	MST027	-			-			-0.0020	0.010	U
Blackfoot River, above Diamond Creek Rd.	MST028	-			-			-0.0010	0.010	U
Blackfoot River, above Spring Creek	MST029-avg	-			-			0.00033	0.010	U
	MST029-R1	-			-			-0.0020	0.010	U
	MST029-R2	-			-			0.0010	0.010	U
	MST029-R3	-			-			0.0020	0.010	U
Little Blackfoot River, below Long Valley Creek	MST043	-			-			0.0020	0.010	U
Little Blackfoot River, immediately below Henry Mine	MST044	-			-			0.00050	0.010	U
Little Blackfoot River, above Henry Creek	MST045	-			-			0.00050	0.010	U
Little Blackfoot River, below Lone Pine Creek	MST046	-			-			0	0.010	U
Little Blackfoot River, above Lone Pine Creek	MST047	-			-			0.0010	0.010	U
Little Blackfoot River, below Reese Creek	MST048	-			-			0.0020	0.010	U
Little Blackfoot River, above Reese Creek	MST049-avg	-			-			-0.0017	0.010	U
	MST049-R1	-			-			-0.0010	0.010	U
	MST049-R2	-			-			-0.0030	0.010	U
	MST049-R3	-			-			-0.0010	0.010	U
Long Valley Creek, below Ballard Mine, (ponded area)	MST050	-			-			0.0030	0.010	U
Lone Pine Creek, above Little Blackfoot River	MST053	-			-			0.0010	0.010	U
Lone Pine Creek, above Spring-Fed Creek	MST054	-			-			0	0.010	U
Lone Pine Creek, below Strip Mine Creek	MST055	-			-			0	0.010	U
Lone Pine Creek, above Lone Pine Creek	MST057	-			-			0.0010	0.010	U
Strip Mine Creek, above Lone Pine Creek	MST062	-			-			0.0020	0.010	U
Strip Mine Creek, below Henry Mine	MST063	-			-			-0.0010	0.010	U
West Fork Lone Pine Creek, above tributary	MST064	-			-			0.0010	0.010	U
Ballard Creek, above Blackfoot River	MST066	-			-			0.0030	0.010	U
Ballard Creek headwaters	MST067	-			-			0.0020	0.010	U
Short Creek, below Ballard Mine	MST069-avg	-			-			0.0023	0.010	U
	MST069-R1	-			-			0.0020	0.010	U
	MST069-R2	-			-			0.0030	0.010	U
	MST069-R3	-			-			0.0020	0.010	U
Wooley Valley Creek, below North Fork Wooley Valley Creek	MST089	-			-			-0.0010	0.010	U
Wooley Valley Creek, above North Fork Wooley Valley Creek	MST090	-			-			0.0040	0.010	U
North Fork Wooley Valley Creek, above Wooley Valley Creek	MST092	-			-			0	0.010	U
North Fork Wooley Valley Creek, above Ballard Mine	MST093	-			-			0.0020	0.010	U
Spring-fed trib. #1 of N. Fork Wooley Valley Cr., below Ballard Mine	MST094	-			-			-0.0040	0.010	U
Spring-fed trib. #2 of N. Fork Wooley Valley Cr., below Ballard Mine	MST095	-			-			-0.0020	0.010	U
Tributary of North Fork Wooley , below Ballard Mine	MST096	-			-			-0.0010	0.010	U
Caldwell Creek, below Phosphoria Formation outcrop	MST101	-			-			-0.0020	0.010	U
Angus Creek, above Blackfoot River	MST126	-			-			0.0020	0.010	U
Angus Creek, below No Name Creek	MST127	-			-			0.0030	0.010	U
Angus Creek, above Rasmussen Creek	MST128	-			-			-0.0020	0.010	U
Angus Creek, below Wooley Valley Mine	MST129	-			-			-0.0010	0.010	U
Angus Creek, below Upper Angus Creek Reservoir	MST130-avg	-			-			0	0.010	U
	MST130-R1	-			-			-0.0010	0.010	U
	MST130-R2	-			-			-0.0010	0.010	U
	MST130-R3	-			-			0.0020	0.010	U
Rassmussen Creek, above Angus Creek	MST131	-			-			0.0010	0.010	U
Angus Creek, below Rasmussen Creek	MST132	-			-			0.0010	0.010	U

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

		Barium			Beryllium			Cobalt		
					Filtered			Filtered		
Station		2001			2001			2002		
Name	ID	May	RL	Flag	May	RL	Flag	May	RL	Flag
Rasmussen Creek, below Enoch Valley Mine	MST133	-			-			0.0020	0.010	U
Rasmussen Creek, below West Pond Creek	MST134	-			-			0.00050	0.010	U
Rasmussen Creek, above West Pond Creek	MST135	-			-			0.0010	0.010	U
Rasmussen Creek headwaters, near Enoch Valley Mine Shop Pond	MST136	-			-			0.0010	0.010	U
East Fork Rasmussen Creek, above Rasmussen Creek	MST143	-			-			0.0020	0.010	U
East Fork Lone Pine Creek, below Wooley Valley Mine	MST226	-			-			-0.0030	0.010	U
Blackfoot River, below Spring Creek	MST229	-			-			-0.0040	0.010	U
Blackfoot River, above State Land Creek	MST230	-			-			0	0.010	U
Blackfoot River, below Woodall Mountain Creek	MST231	-			-			-0.0020	0.010	U
Blackfoot River, above Blackfoot Reservoir	MST232	-			-			0	0.010	U
Little Blackfoot River, above Blackfoot Reservoir	MST234	-			-			-0.0070	0.010	U
Meadow Creek, above Blackfoot Reservoir	MST235	-			-			0.0020	0.010	U
Timber Creek, above Diamond Creek	MST237-avg	-			-			0.0020	0.010	U
	MST237-R1	-			-			0.0040	0.010	U
	MST237-R2	-			-			0.0010	0.010	U
	MST237-R3	-			-			0.0010	0.010	U
Little Blackfoot River, upstream of Henry cutoff road	MST254	-			-			-0.00050	0.010	U
Wooley Valley Creek, above Loadout Creek at road	MST272	-			-			0.0020	0.010	U
Wooley Valley Creek, above ponding and below MST089	MST273	-			-			-0.0010	0.010	U
West Fork Rasmussen Creek, above Rasmussen Creek	MST274	-			-			-0.0010	0.010	U
Trib. to W. Fork Lone Pine Creek, above W. Fork Lone Pine Creek	MST276	-			-			0.0030	0.010	U

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

		Copper						Lead		
		Filtered						Filtered		
Station		2001			2002			2001		
Name	ID	May	RL	Flag	May	RL	Flag	May	RL	Flag
Henry Mine South Pit Overburden Dump Limestone Drain	MDS022-avg	0.00096	0.0012	U	0.00040	0.0045	U	-0.000030	0.0027	U
	MDS022-R1	-			0.00030	0.0045	U	-		
	MDS022-R2	-			0.00042	0.0045	U	-		
	MDS022-R3	-			0.00048	0.0045	U	-		
Enoch Valley Mine West Dump Seep	MDS025	0.0015			0.00076	0.0045	U	-0.000070	0.0027	U
Enoch Valley Mine South Dump Seep	MDS026-avg	0.0018			0.00070	0.0045	U	-0.000021	0.0027	U
	MDS026	0.0017			-			-0.000030	0.0027	U
	MDS026-D	0.0018			-			-0.000012	0.0027	U
Reservoir Delta at Blackfoot River	MRV011	-			0.00050	0.0045	U	-		
Reservoir Delta at Little Blackfoot River	MRV016	-			0.00034	0.0045	U	-		
Reservoir Delta at Meadow Creek	MRV017	-			0.0011	0.0045	U	-		
Enoch Valley Mine, Hedin Spring	MSG001	-			0.00020	0.0045	U	-		
Ballard Mine, Garden Hose Spring	MSG003	-			0.00050	0.0045	U	-		
Ballard Mine Dredge Pond	MSP010-avg	0.0043			0.0026	0.0045	U	-0.000046	0.0027	U
	MSP010-R1	-			0.0028	0.0045	U	-		
	MSP010-R2	-			0.0027	0.0045	U	-		
	MSP010-R3	-			0.0024	0.0045	U	-		
Ballard Mine Upper Elk Pond	MSP011	0.0041			0.0026	0.0045	U	-0.000042	0.0027	U
Ballard Mine Lower Elk Pond	MSP012	0.0034			0.0030	0.0045	U	-0.000068	0.0027	U
Henry Mine Henry Pond	MSP014	0.0013			0.0039	0.0045	U	-0.000060	0.0027	U
Henry Mine Smith Pond	MSP015	0.0020			0.0013	0.0045	U	-0.000048	0.0027	U
Henry Mine Center Henry Pond	MSP016-avg	0.0011	0.0012	U	0.0012	0.0045	U	-0.000060	0.0027	U
	MSP016	0.0011	0.0012	U	-			-0.000061	0.0027	U
	MSP016-D	0.0011	0.0012	U	-			-0.000059	0.0027	U
Enoch Valley Mine South Pond	MSP017	0.0024			0.0020	0.0045	U	0.0000015	0.0027	U
Enoch Valley Mine Keyhole Pond	MSP018	0.0030			0.0030	0.0045	U	-0.000042	0.0027	U
Enoch Valley Mine Bat Cave Pond	MSP019	0.0021			0.00090	0.0045	U	0.000026	0.0027	U
Enoch Valley Mine West Pond	MSP020	0.0012	0.0012	U	0.0011	0.0045	U	-0.000053	0.0027	U
Enoch Valley Mine Stock Pond	MSP021-avg	0.0016			0.0014	0.0045	U	-0.000046	0.0027	U
	MSP021-R1	-			0.0013	0.0045	U	-		
	MSP021-R2	-			0.0013	0.0045	U	-		
	MSP021-R2	-			0.0015	0.0045	U	-		
Enoch Valley Mine Tipple Pond	MSP022	0.0013			0.0011	0.0045	U	-0.000060	0.0027	U
Enoch Valley Mine Haul Road Pond	MSP023	0.0020			0.0012	0.0045	U	-0.000042	0.0027	U
Enoch Valley Mine Shop Pond	MSP031	0.0021			0.0018	0.0045	U	0.000091	0.0027	U
Henry Mine South Pit Pond	MSP055	0.0017			0.00043	0.0045	U	-0.000077	0.0027	U
Ballard Mine Pit #4 Stock Pond	MSP059	0.0021			0.0016	0.0045	U	-0.000046	0.0027	U
Blackfoot River, below Ballard Creek	MST019	-			0.00060	0.0045	U	-		
Blackfoot River, below State Land Creek	MST020	-			0.00070	0.0045	U	-		
Blackfoot River, below Trail Creek	MST021	-			0.00046	0.0045	U	-		
Blackfoot River, below Wooley Valley Creek	MST022	-			0.00047	0.0045	U	-		
Blackfoot River, below Dry Valley Creek	MST023	-			0.00090	0.0045	U	-		
Blackfoot River, above Dry Valley Creek	MST024	-			0.00070	0.0045	U	-		
Blackfoot River, below Wooley Range Ridge Creek	MST025	-			0.00070	0.0045	U	-		
Blackfoot River, above Wooley Range Ridge Creek	MST026-avg	-			0.00080	0.0045	U	-		
	MST026-R1	-			0.00070	0.0045	U	-		
	MST026-R2	-			0.0010	0.0045	U	-		
	MST026-R3	-			0.00070	0.0045	U	-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

		Copper						Lead		
		Filtered						Filtered		
Station		2001			2002			2001		
Name	ID	May	RL	Flag	May	RL	Flag	May	RL	Flag
Blackfoot River, below Angus Creek	MST027	-			0.00060	0.0045	U	-		
Blackfoot River, above Diamond Creek Rd.	MST028	-			0.0012	0.0045	U	-		
Blackfoot River, above Spring Creek	MST029-avg	-			0.00060	0.0045	U	-		
	MST029-R1	-			0.00070	0.0045	U	-		
	MST029-R2	-			0.00050	0.0045	U	-		
	MST029-R3	-			0.00060	0.0045	U	-		
Little Blackfoot River, below Long Valley Creek	MST043	-			0.00048	0.0045	U	-		
Little Blackfoot River, immediately below Henry Mine	MST044	-			0.00090	0.0045	U	-		
Little Blackfoot River, above Henry Creek	MST045	-			0.00044	0.0045	U	-		
Little Blackfoot River, below Lone Pine Creek	MST046	-			0.00080	0.0045	U	-		
Little Blackfoot River, above Lone Pine Creek	MST047	-			0.0011	0.0045	U	-		
Little Blackfoot River, below Reese Creek	MST048	-			0.00060	0.0045	U	-		
Little Blackfoot River, above Reese Creek	MST049-avg	-			0.00073	0.0045	U	-		
	MST049-R1	-			0.00070	0.0045	U	-		
	MST049-R2	-			0.00080	0.0045	U	-		
	MST049-R3	-			0.00070	0.0045	U	-		
Long Valley Creek, below Ballard Mine, (ponded area)	MST050	-			0.0040	0.0045	U	-		
Lone Pine Creek, above Little Blackfoot River	MST053	-			0.00080	0.0045	U	-		
Lone Pine Creek, above Spring-Fed Creek	MST054	-			0.00060	0.0045	U	-		
Lone Pine Creek, below Strip Mine Creek	MST055	-			0.00060	0.0045	U	-		
Lone Pine Creek, above Lone Pine Creek	MST057	-			0.00060	0.0045	U	-		
Strip Mine Creek, above Lone Pine Creek	MST062	-			0.00070	0.0045	U	-		
Strip Mine Creek, below Henry Mine	MST063	-			0.00090	0.0045	U	-		
West Fork Lone Pine Creek, above tributary	MST064	-			0.00026	0.0045	U	-		
Ballard Creek, above Blackfoot River	MST066	-			0.0011	0.0045	U	-		
Ballard Creek headwaters	MST067	-			0.0030	0.0045	U	-		
Short Creek, below Ballard Mine	MST069-avg	-			0.0040	0.0017<x<0.0047	U	-		
	MST069-R1	-			0.0050			-		
	MST069-R2	-			0.0040	0.0045	U	-		
	MST069-R3	-			0.0030	0.0045	U	-		
Wooley Valley Creek, below North Fork Wooley Valley Creek	MST089	-			0.0016	0.0045	U	-		
Wooley Valley Creek, above North Fork Wooley Valley Creek	MST090	-			0.0010	0.0045	U	-		
North Fork Wooley Valley Creek, above Wooley Valley Creek	MST092	-			0.0030	0.0045	U	-		
North Fork Wooley Valley Creek, above Ballard Mine	MST093	-			0.0016	0.0045	U	-		
Spring-fed trib. #1 of N. Fork Wooley Valley Cr., below Ballard Mine	MST094	-			0.00043	0.0045	U	-		
Spring-fed trib. #2 of N. Fork Wooley Valley Cr., below Ballard Mine	MST095	-			0.0022	0.0045	U	-		
Tributary of North Fork Wooley , below Ballard Mine	MST096	-			0.0012	0.0045	U	-		
Caldwell Creek, below Phosphoria Formation outcrop	MST101	-			0.00042	0.0045	U	-		
Angus Creek, above Blackfoot River	MST126	-			0.0031	0.0045	U	-		
Angus Creek, below No Name Creek	MST127	-			0.00070	0.0045	U	-		
Angus Creek, above Rasmussen Creek	MST128	-			0.00060	0.0045	U	-		
Angus Creek, below Wooley Valley Mine	MST129	-			0.00060	0.0045	U	-		
Angus Creek, below Upper Angus Creek Reservoir	MST130-avg	-			0.00073	0.0045	U	-		
	MST130-R1	-			0.00080	0.0045	U	-		
	MST130-R2	-			0.00080	0.0045	U	-		
	MST130-R3	-			0.00060	0.0045	U	-		
Rassmussen Creek, above Angus Creek	MST131	-			0.00080	0.0045	U	-		
Angus Creek, below Rasmussen Creek	MST132	-			0.0010	0.0045	U	-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

		Copper						Lead		
		Filtered						Filtered		
Station		2001			2002			2001		
Name	ID	May	RL	Flag	May	RL	Flag	May	RL	Flag
Rasmussen Creek, below Enoch Valley Mine	MST133	-			0.0011	0.0045	U	-		
Rasmussen Creek, below West Pond Creek	MST134	-			0.0011	0.0045	U	-		
Rasmussen Creek, above West Pond Creek	MST135	-			0.0013	0.0045	U	-		
Rasmussen Creek headwaters, near Enoch Valley Mine Shop Pond	MST136	-			0.00080	0.0045	U	-		
East Fork Rasmussen Creek, above Rasmussen Creek	MST143	-			0.0017	0.0045	U	-		
East Fork Lone Pine Creek, below Wooley Valley Mine	MST226	-			0.00070	0.0045	U	-		
Blackfoot River, below Spring Creek	MST229	-			0.00070	0.0045	U	-		
Blackfoot River, above State Land Creek	MST230	-			0.00080	0.0045	U	-		
Blackfoot River, below Woodall Mountain Creek	MST231	-			0.00080	0.0045	U	-		
Blackfoot River, above Blackfoot Reservoir	MST232	-			0.00070	0.0045	U	-		
Little Blackfoot River, above Blackfoot Reservoir	MST234	-			0.00050	0.0045	U	-		
Meadow Creek, above Blackfoot Reservoir	MST235	-			0.00070	0.0045	U	-		
Timber Creek, above Diamond Creek	MST237-avg	-			0.00039	0.0045	U	-		
	MST237-R1	-			0.00050	0.0045	U	-		
	MST237-R2	-			0.00039	0.0045	U	-		
	MST237-R3	-			0.00028	0.0045	U	-		
Little Blackfoot River, upstream of Henry cutoff road	MST254	-			0.00050	0.0045	U	-		
Wooley Valley Creek, above Loadout Creek at road	MST272	-			0.0017	0.0045	U	-		
Wooley Valley Creek, above ponding and below MST089	MST273	-			0.0020	0.0045	U	-		
West Fork Rasmussen Creek, above Rasmussen Creek	MST274	-			0.00060	0.0045	U	-		
Trib. to W. Fork Lone Pine Creek, above W. Fork Lone Pine Creek	MST276	-			0.00070	0.0045	U	-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

		Manganese														
		Unfiltered														
Station		1998						1999						May 2001		
Name	ID	May	RL	Flag	Sept.	RL	Flag	May	RL	Flag	June	RL	Flag	Filtered	RL	Flag
Henry Mine South Pit Overburden Dump Limestone Drain	MDS022	1.2			1.5			-			-			0.027		
Enoch Valley Mine West Dump Seep	MDS025	-			-			-			-			5.0		
Enoch Valley Mine South Dump Seep	MDS026	-			-			-			-			0.77		
Enoch Valley Shop/Office Well	MPW019	0.040			0.032			-			-			-		
Ballard Mine Dredge Pond	MSP010	-			-			-			-			0.024		
Ballard Mine Upper Elk Pond	MSP011-avg	0.0053			-			-			-			0.0036		
	MSP011	-			-			-			-			0.0036		
	MSP011-D	-			-			-			-			0.0036		
Ballard Mine Lower Elk Pond	MSP012	-			-			-			-			0.0021		
Henry Mine Henry Pond	MSP014	-			-			-			-			0.017		
Henry Mine Smith Pond	MSP015	-			-			-			-			0.18		
Henry Mine Center Henry Pond	MSP016	-			-			-			-			0.0077		
Enoch Valley Mine South Pond	MSP017	-			-			-			-			0.42		
Enoch Valley Mine Keyhole Pond	MSP018	-			-			-			-			3.4		
Enoch Valley Mine Bat Cave Pond	MSP019	-			-			-			-			-0.00090	0.0020	U
Enoch Valley Mine West Pond	MSP020	-			-			-			-			0.0085		
Enoch Valley Mine Stock Pond	MSP021	-			-			-			-			0.00080	0.0020	U
Enoch Valley Mine Tipple Pond	MSP022	-			-			-			-			-0.0019	0.0020	U
Enoch Valley Mine Haul Road Pond	MSP023	-			-			-			-			-0.0033	0.0020	U
Enoch Valley Mine Shop Pond	MSP031-avg	-			-			-			-			0.036		
	MSP031	-			-			-			-			0.036		
	MSP031-D	-			-			-			-			0.036		
Henry Mine South Pit Pond	MSP055	-			-			-			-			-0.0033	0.0020	U
Ballard Mine Pit #4 Stock Pond	MSP059	-			-			-			-			0.0045		
Blackfoot River, below Ballard Creek	MST019	0.041			0.022			0.060			-			-		
Blackfoot River, below State Land Creek	MST020	0.057			0.020			0.087			-			-		
Blackfoot River, below Wooley Valley Creek	MST022-avg	0.056			0.0099			0.066			-			-		
	MST022-R0	0.061			-			-			-			-		
	MST022-R1	0.059			0.010			-			-			-		
	MST022-R2	0.058			0.010			-			-			-		
	MST022-R3	0.060			0.0093			-			-			-		
	MST022-R4	0.042			-			-			-			-		
Blackfoot River, below Dry Valley Creek	MST023-avg	0.036			0.0029			0.084			-			-		
	MST023-R1	-			0.0032			-			-			-		
	MST023-R2	-			0.0028			-			-			-		
	MST023-R3	-			0.0026			-			-			-		
Blackfoot River, above Dry Valley Creek	MST024	0.042			0.0095			0.086			-			-		
Blackfoot River, above Wooley Range Ridge Creek	MST026-avg	0.012			0.0031			0.046			-			-		
	MST026-R1	-			-			0.059			-			-		
	MST026-R2	-			-			0.026			-			-		
	MST026-R3	-			-			0.052			-			-		
Blackfoot River, above Spring Creek	MST029-avg	0.0033			0.017			0.043			-			-		
	MST029	-			0.017			-			-			-		
	MST029-D	-			0.016			-			-			-		
Little Blackfoot River, below Long Valley Creek	MST043	0.012			-0.00010	0.00070	U	-			-			-		
Little Blackfoot River, immediately below Henry Mine	MST044-avg	0.026			0.0064			-			-			-		
	MST044-R0	0.026			-			-			-			-		
	MST044-R1	0.026			0.0062			-			-			-		
	MST044-R1-D	-			0.0064			-			-			-		
	MST044-R2	0.026			0.0065			-			-			-		
	MST044-R3	0.027			0.0064			-			-			-		
	MST044-R3-D	-			0.0062			-			-			-		
	MST044-R4	0.026			-			-			-			-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

		Manganese														
		Unfiltered														
Station		1998						1999						May 2001		
Name	ID	May	RL	Flag	Sept.	RL	Flag	May	RL	Flag	June	RL	Flag	Filtered	RL	Flag
Little Blackfoot River, below Lone Pine Creek	MST046-avg	0.034			0.017			-			-			-		
	MST046	0.034			-			-			-			-		
	MST046-D	0.033			-			-			-			-		
Little Blackfoot River, above Lone Pine Creek	MST047	0.0068			-0.0061	0.00070	U	-			-			-		
Little Blackfoot River, below Reese Creek	MST048-avg	0.035			0.032			-			-			-		
	MST048-R0	0.049			-			-			-			-		
	MST048-R1	0.048			0.035			-			-			-		
	MST048-R1-D	0.047			-			-			-			-		
	MST048-R2	0.049			0.034			-			-			-		
	MST048-R3	0.029			0.025			-			-			-		
	MST048-R3-D	0.029			-			-			-			-		
	MST048-R4	0.0017			-			-			-			-		
Little Blackfoot River, above Reese Creek	MST049-avg	0.053			0.075			-			-			-		
	MST049-R0	0.057			-			-			-			-		
	MST049-R1	0.035			0.086			-			-			-		
	MST049-R2	0.059			0.050			-			-			-		
	MST049-R3	0.058			0.091			-			-			-		
	MST049-R4	0.057			-			-			-			-		
Caldwell Creek, below Phosphoria Formation outcrop	MST101-avg	0.0810			0.059			-			-			-		
	MST101-R0	0.068			-			-			-			-		
	MST101-R1	0.054			0.045			-			-			-		
	MST101-R1-D	-			0.046			-			-			-		
	MST101-R2	0.17			0.11			-			-			-		
	MST101-R3	0.079			0.025			-			-			-		
	MST101-R4	0.037			-			-			-			-		
Angus Creek, below Wooley Valley Mine	MST129-avg	0.20			0.20			-			-			-		
	MST129	-			0.20			-			-			-		
	MST129-D	-			0.20			-			-			-		
Rassmussen Creek, above Angus Creek	MST131	0.033			0.047			-			-			-		
Angus Creek, below Rasmussen Creek	MST132	0.061			0.093			-			-			-		
Blackfoot River, below Spring Creek	MST229	-			-			0.097			-			-		
Blackfoot River, above Blackfoot Reservoir	MST232-avg	-			-			0.076			0.040			-		
	MST232	-			-			0.073			-			-		
	MST232-D	-			-			0.078			-			-		
	MST232-R1	-			-			-			0.039			-		
	MST232-R2	-			-			-			0.039			-		
	MST232-R3	-			-			-			0.041			-		
	MST232-R3-D	-			-			-			0.042			-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

		Mercury			Molybdenum						NO2/NO3		
		Filtered			Filtered						Filtered		
Station		2001			2000			2001			2001		
Name	ID	May	RL	Flag	May	RL	Flag	May	RL	Flag	May	RL	Flag
Henry Mine South Pit Overburden Dump Limestone Drain	MDS022	0.0000020	0.00050	U	-			0.0013	0.0025	UJ	-0.014	2.1	U
Enoch Valley Mine West Dump Seep	MDS025	0.000012	0.00050	U	-			0.0033		J	-0.055	2.1	U
Enoch Valley Mine South Dump Seep	MDS026-avg	0.000012	0.00050	U	-			0.00078	0.0025	UJ	0.18	2.1	UJ
	MDS026	0.000013	0.00050	U	-			0.00086	0.0025	UJ	0.17	2.1	U
	MDS026-D	0.000010	0.00050	U	-			0.00070	0.0025	UJ	0.19	2.1	U
Upper Blackfoot Reservoir	MRV001	-			0.0035	0.050	U	-			-		
Upper Blackfoot Reservoir	MRV002-avg	-			0.0029	0.050	U	-			-		
	MRV002-R1	-			0.0025	0.050	U	-			-		
	MRV002-R2	-			0.0040	0.050	U	-			-		
	MRV002-R3	-			0.0022	0.050	U	-			-		
Upper Blackfoot Reservoir	MRV003	-			-0.0023	0.050	U	-			-		
Upper Blackfoot Reservoir	MRV004	-			0.0058	0.050	U	-			-		
Upper Blackfoot Reservoir	MRV005	-			0.0059	0.050	U	-			-		
Lower Blackfoot Reservoir	MRV006	-			-0.0048	0.050	U	-			-		
Lower Blackfoot Reservoir	MRV007-avg	-			0.0047	0.050	U	-			-		
	MRV007-R1	-			0.0059	0.050	U	-			-		
	MRV007-R2	-			0.0017	0.050	U	-			-		
	MRV007-R3	-			0.0111	0.050	U	-			-		
	MRV007-R3-D	-			0.0017	0.050	U	-			-		
Lower Blackfoot Reservoir	MRV008	-			-0.0013	0.050	U	-			-		
Lower Blackfoot Reservoir	MRV009	-			0.0027	0.050	U	-			-		
Lower Blackfoot Reservoir	MRV010	-			-0.0041	0.050	U	-			-		
Ballard Mine Dredge Pond	MSP010	0.000012	0.00050	U	-			0.046		J	-0.0071	2.1	U
Ballard Mine Upper Elk Pond	MSP011	0.0000090	0.00050	U	-			0.019		J	0.30	2.1	UJ
Ballard Mine Lower Elk Pond	MSP012	0.0000080	0.00050	U	-			0.025		J	0.12	2.1	UJ
Henry Mine Henry Pond	MSP014	0	0.00050	U	-			0.0040		J	-0.0029	2.1	U
Henry Mine Smith Pond	MSP015	0.0000020	0.00050	U	-			0.0072		J	0.030	2.1	U
Henry Mine Center Henry Pond	MSP016-avg	0.00000050	0.00050	U	-			0.0020	0.0025	UJ	0.052	2.1	U
	MSP016	0.0000010	0.00050	U	-			0.0020	0.0025	UJ	0.053	2.1	U
	MSP016-D	0	0.00050	U	-			0.0019	0.0025	UJ	0.051	2.1	U
Enoch Valley Mine South Pond	MSP017	0.000010	0.00050	U	-			0.0040		J	0.14	2.1	UJ
Enoch Valley Mine Keyhole Pond	MSP018	0.0000090	0.00050	U	-			0.022		J	0.073	2.1	U
Enoch Valley Mine Bat Cave Pond	MSP019	0.000020	0.00050	U	-			0.0086		J	0.050	2.1	U
Enoch Valley Mine West Pond	MSP020	0.0000030	0.00050	U	-			0.0047		J	0.0014	2.1	U
Enoch Valley Mine Stock Pond	MSP021	0.0000040	0.00050	U	-			0.015		J	0.0020	2.1	U
Enoch Valley Mine Tipple Pond	MSP022	0.0000060	0.00050	U	-			0.0086		J	0.013	2.1	U
Enoch Valley Mine Haul Road Pond	MSP023	0.0000050	0.00050	U	-			0.024		J	-0.00017	2.1	U
Enoch Valley Mine Shop Pond	MSP031	0.0000070	0.00050	U	-			0.0093		J	0.0044	2.1	U
Henry Mine South Pit Pond	MSP055	0.0000030	0.00050	U	-			0.036		J	0.0094	2.1	U
Ballard Mine Pit #4 Stock Pond	MSP059	0.00026	0.00050	U	-			0.0090		J	0.077	2.1	U
Blackfoot River, below Ballard Creek	MST019	-			-0.0020	0.050	U	-			-		
Blackfoot River, below State Land Creek	MST020	-			0.0010	0.050	U	-			-		
Blackfoot River, below Trail Creek	MST021	-			-0.0013	0.050	U	-			-		
Blackfoot River, below Wooley Valley Creek	MST022	-			0.0053	0.050	U	-			-		
Blackfoot River, below Dry Valley Creek	MST023	-			0.0030	0.050	U	-			-		
Blackfoot River, above Dry Valley Creek	MST024	-			-0.0081	0.050	U	-			-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

		Mercury			Molybdenum						NO2/NO3		
		Filtered			Filtered						Filtered		
Station		2001			2000			2001			2001		
Name	ID	May	RL	Flag	May	RL	Flag	May	RL	Flag	May	RL	Flag
Blackfoot River, above Wooley Range Ridge Creek	MST026-avg	-			-0.0038	0.050	U	-			-		
	MST026-R1	-			-0.011	0.050	U	-			-		
	MST026-R1-D	-			-0.0018	0.050	U	-			-		
	MST026-R2	-			-0.0088	0.050	U	-			-		
	MST026-R3	-			0.0040	0.050	U	-			-		
Blackfoot River, below Angus Creek	MST027-avg	-			-0.0040	0.050	U	-			-		
	MST027	-			0.00080	0.050	U	-			-		
	MST027-D	-			-0.0087	0.050	U	-			-		
Blackfoot River, above Diamond Creek Rd.	MST028-avg	-			0.0057	0.050	U	-			-		
	MST028	-			0.0043	0.050	U	-			-		
	MST028-D	-			0.0070	0.050	U	-			-		
Blackfoot River, above Spring Creek	MST029	-			-0.0071	0.050	U	-			-		
Little Blackfoot River, below Long Valley Creek	MST043-avg	-			-0.0021	0.050	U	-			-		
	MST043-R1	-			0.0064	0.050	U	-			-		
	MST043-R2	-			-0.0045	0.050	U	-			-		
	MST043-R3	-			-0.0082	0.050	U	-			-		
Little Blackfoot River, above Reese Creek	MST049	-			-0.0026	0.050	U	-			-		
Lone Pine Creek, above Spring-Fed Creek	MST054-avg	-			-0.00010	0.050	U	-			-		
	MST054	-			-0.00060	0.050	U	-			-		
	MST054-D	-			0.00050	0.050	U	-			-		
Wooley Valley Creek, above Blackfoot River	MST088	-			0.0058	0.050	U	-			-		
Spring-fed trib. #2 of N. Fork Wooley Valley Cr., below Ballard Mine	MST095	-			0.016	0.050	U	-			-		
Tributary of North Fork Wooley , below Ballard Mine	MST096	-			0.014	0.050	U	-			-		
Caldwell Creek, below Phosphoria Formation outcrop	MST101-avg	-			-0.0028	0.050	U	-			-		
	MST101-R1	-			-0.0028	0.050	U	-			-		
	MST101-R2	-			-0.0012	0.050	U	-			-		
	MST101-R3	-			-0.0044	0.050	U	-			-		
Angus Creek, below No Name Creek	MST127	-			-0.0081	0.050	U	-			-		
Angus Creek, below Wooley Valley Mine	MST129	-			-0.011	0.050	U	-			-		
Angus Creek, below Upper Angus Creek Reservoir	MST130	-			-0.012	0.050	U	-			-		
Rasmussen Creek, below Enoch Valley Mine	MST133	-			-0.015	0.050	U	-			-		
East Fork Rasmussen Creek, above Rasmussen Creek	MST143	-			-0.00010	0.050	U	-			-		
East Fork Lone Pine Creek, below Wooley Valley Mine	MST226	-			-0.0057	0.050	U	-			-		
Blackfoot River, below Spring Creek	MST229-avg	-			-0.0089	0.050	U	-			-		
	MST229-R1	-			-0.011	0.050	U	-			-		
	MST229-R2	-			-0.0043	0.050	U	-			-		
	MST229-R3	-			-0.012	0.050	U	-			-		
Blackfoot River, above State Land Creek	MST230	-			-0.0064	0.050	U	-			-		
Blackfoot River, above Blackfoot Reservoir	MST232	-			-0.0043	0.050	U	-			-		
Meadow Creek, above Blackfoot Reservoir	MST235	-			-0.0052	0.050	U	-			-		
Stewart Creek, above Diamond Creek	MST236-avg	-			0.0051	0.050	U	-			-		
	MST236-R1	-			0.013	0.050	U	-			-		
	MST236-R2	-			-0.00080	0.050	U	-			-		
	MST236-R3	-			0.0035	0.050	U	-			-		
Timber Creek, above Diamond Creek	MST237-avg	-			0.0028	0.050	U	-			-		
	MST237-R1	-			0.0047	0.050	U	-			-		
	MST237-R2	-			0.00080	0.050	U	-			-		
	MST237-R3	-			0.0029	0.050	U	-			-		

Table 18: Uncensored Surface Water and Groundwater Historical Analytical Data (mg/L) - continued

		Silver			Thallium			Uranium		
		Filtered			Filtered			Filtered		
Station		2001			2001			2001		
Name	ID	May	RL	Flag	May	RL	Flag	May	RL	Flag
Henry Mine South Pit Overburden Dump Limestone Drain	MDS022	-0.000025	0.0021	U	0.000031	0.0025	U	0.0080		
Enoch Valley Mine West Dump Seep	MDS025	-0.000012	0.0021	U	0.00029	0.0025	U	0.0023	0.0080	U
Enoch Valley Mine South Dump Seep	MDS026-avg	-0.000028	0.0021	U	0.000081	0.0025	U	0.071		
	MDS026	-0.000028	0.0021	U	0.000074	0.0025	U	0.073		
	MDS026-D	-0.000027	0.0021	U	0.000088	0.0025	U	0.069		
Ballard Mine Dredge Pond	MSP010	-0.0000081	0.0021	U	0.00017	0.0025	U	0.059		
Ballard Mine Upper Elk Pond	MSP011	0.000069	0.0021	U	0.00023	0.0025	U	0.0011	0.0080	U
Ballard Mine Lower Elk Pond	MSP012	0.000065	0.0021	U	0.00023	0.0025	U	0.0017	0.0080	U
Henry Mine Henry Pond	MSP014	-0.000024	0.0021	U	0.000021	0.0025	U	0.0029	0.0080	U
Henry Mine Smith Pond	MSP015	-0.000024	0.0021	U	0.000036	0.0025	U	0.0035	0.0080	U
Henry Mine Center Henry Pond	MSP016-avg	-0.000025	0.0021	U	0.000034	0.0025	U	0.0028	0.0080	U
	MSP016	-0.000024	0.0021	U	0.000031	0.0025	U	0.0029	0.0080	U
	MSP016-D	-0.000025	0.0021	U	0.000037	0.0025	U	0.0027	0.0080	U
Enoch Valley Mine South Pond	MSP017	-0.000018	0.0021	U	0.00011	0.0025	U	0.011		
Enoch Valley Mine Keyhole Pond	MSP018	0.0000024	0.0021	U	0.0010	0.0025	U	0.010		
Enoch Valley Mine Bat Cave Pond	MSP019	-0.000004	0.0021	U	0.00014	0.0025	U	0.0041	0.0080	U
Enoch Valley Mine West Pond	MSP020	-0.000019	0.0021	U	0.000020	0.0025	U	0.0018	0.0080	U
Enoch Valley Mine Stock Pond	MSP021	-0.000021	0.0021	U	0.00015	0.0025	U	0.0084		
Enoch Valley Mine Tipple Pond	MSP022	-0.000016	0.0021	U	0.000051	0.0025	U	0.0067	0.0080	U
Enoch Valley Mine Haul Road Pond	MSP023	-0.000015	0.0021	U	0.000062	0.0025	U	0.011		
Enoch Valley Mine Shop Pond	MSP031	-0.000016	0.0021	U	0.00011	0.0025	U	0.0021	0.0080	U
Henry Mine South Pit Pond	MSP055	-0.0000083	0.0021	U	0.00044	0.0025	U	0.0030	0.0080	U
Ballard Mine Pit #4 Stock Pond	MSP059	0.0000039	0.0021	U	0.000062	0.0025	U	0.00028	0.0080	U

Table 19: Uncensored Sediment Analytical Historical Data (mg/kg, dw)

		Selenium															Cadmium													
Station		1998			1999			2000			2002						1998			1999			2000			2002					
Name	ID	Sept.	RL	Flag	Sept.	RL	Flag	May	RL	Flag	May	RL	Flag	Sept.	RL	Flag	Sept.	RL	Flag	Sept.	RL	Flag	May	RL	Flag	May	RL	Flag	Sept.	RL	Flag
Henry Mine South Pit Overburden Dump Limestone Drain (formerly FD002) (1997 #29)	MDS022-avg	-			-			-			0.70	1.4	UJ	1.1		J	-			-			-			2.9		J	2.7		
	MDS022-R1	-			-			-			0.70	1.4	UJ	-			-			-			-			3.0		J	-		
	MDS022-R2	-			-			-			0.70	1.4	UJ	-			-			-			-			2.9		J	-		
	MDS022-R3	-			-			-			0.70	1.4	UJ	-			-			-			-			2.9		J	-		
Enoch Valley Mine West Dump Seep	MDS025	-			-			-			80		J	-			-			-			-			54		J	-		
Enoch Valley Mine South Dump Seep	MDS026	-			-			-			80		J	120		J	-			-			-			71		J	74		
Upper Blackfoot Reservoir	MRV001-avg	-			2.8			-			-			-			-			4.0			-			-			-		
	MRV001	-			-			-			-			-			-			3.9			-			-			-		
	MRV001-D	-			-			-			-			-			-			4.0			-			-			-		
Upper Blackfoot Reservoir	MRV002-avg	-			2.3			-			-			-			-			1.2			-			-			-		
	MRV002-R1	-			1.4			-			-			-			-			0.92			-			-			-		
	MRV002-R2	-			2.1			-			-			-			-			1.4			-			-			-		
	MRV002-R3	-			3.3			-			-			-			-			1.2			-			-			-		
Upper Blackfoot Reservoir	MRV003	-			1.5			-			-			-			-			0.71			-			-			-		
Upper Blackfoot Reservoir	MRV004	-			1.8			-			-			-			-			3.4			-			-			-		
Upper Blackfoot Reservoir	MRV005-avg	-			0.66			-			-			-			-			1.7			-			-			-		
	MRV005	-			0.65			-			-			-			-			-			-			-			-		
	MRV005-D	-			0.66			-			-			-			-			-			-			-			-		
Lower Blackfoot Reservoir	MRV006	-			0.27			-			-			-			-			2.8			-			-			-		
Lower Blackfoot Reservoir	MRV007-avg	-			0.40			-			-			-			-			1.9			-			-			-		
	MRV007-R1	-			0.52			-			-			-			-			2.0			-			-			-		
	MRV007-R2	-			0.25			-			-			-			-			1.8			-			-			-		
	MRV007-R3	-			0.44			-			-			-			-			1.9			-			-			-		
Lower Blackfoot Reservoir	MRV008	-			0.58			-			-			-			-			1.3			-			-			-		
Lower Blackfoot Reservoir	MRV009	-			1.9			-			-			-			-			0.87			-			-			-		
Lower Blackfoot Reservoir	MRV010	-			1.2			-			-			-			-			2.9			-			-			-		
Reservoir Delta at Blackfoot River	MRV011-avg	-			0.56			1.9			1.0	1.4	UJ	0.40	0.55	UR	-			2.3			2.7			1.7		J	1.3		
	MRV011-P1	-			0.34			-			-			-			-			2.4			-			-			-		
	MRV011-P2	-			0.68			-			-			-			-			2.1			-			-			-		
	MRV011-P3	-			0.66			-			-			-			-			2.3			-			-			-		
	MRV011-P1-1-R1	-			-			2.5			-			-			-			-			3.1			-			-		
	MRV011-P1-1-R2	-			-			2.8			-			-			-			-			3.4			-			-		
	MRV011-P1-1-R3	-			-			2.3			-			-			-			-			3.4			-			-		
	MRV011-P1-2	-			-			2.4			-			-			-			-			2.4			-			-		
	MRV011-P1-3	-			-			2.6			-			-			-			-			3.3			-			-		
	MRV011-P1-4	-			-			2.4			-			-			-			-			2.6			-			-		
	MRV011-P1-5	-			-			0.90			-			-			-			-			1.9			-			-		
	MRV011-P1-6	-			-			0.99			-			-			-			-			2.2			-			-		
	MRV011-P1-7	-			-			0.88			-			-			-			-			2.5			-			-		
	MRV011-P2-1	-			-			2.2			-			-			-			-			2.9			-			-		
	MRV011-P2-2	-			-			1.8			-			-			-			-			2.3			-			-		
	MRV011-P2-2-D	-			-			-			-			-			-			-			2.1			-			-		
	MRV011-P2-3	-			-			2.2			-			-			-			-			3.1			-			-		
	MRV011-P2-3-D	-			-			2.2			-			-			-			-			-			-			-		
	MRV011-P2-4	-			-			2.2			-			-			-			-			2.7			-			-		
	MRV011-P2-5	-			-			0.97			-			-			-			-			1.9			-			-		
	MRV011-P3-1	-			-			3.0			-			-			-			-			3.8			-			-		
	MRV011-P3-2	-			-			2.4			-			-			-			-			2.9			-			-		
	MRV011-P3-3	-			-			2.1			-			-			-			-			2.6			-			-		
	MRV011-P3-4-R1	-			-			2.1			-			-			-			-			3.5			-			-		
	MRV011-P3-4-R2	-			-			2.2			-			-			-			-			2.7			-			-		
	MRV011-P3-4-R3	-			-			2.4			-			-			-			-			3.0			-			-		
	MRV011-P3-5	-			-			1.0			-			-			-			-			2.0			-			-		
Reservoir Delta at Little Blackfoot River	MRV016	-			-			-			1.0	1.4	UJ	-			-			-			-			1.2		J	-		
Reservoir Delta at Meadow Creek	MRV017-avg	-			-			-			0.20	1.4	UJ	0.30	0.55	UR	-			-			-			0.48		J	0.70		
	MRV017-R1	-			-			-			-			0.30	0.55	UR	-			-			-			-			0.80		
	MRV017-R2	-			-			-			-			0.20	0.55	UR	-			-			-			-			0.60		
	MRV017-R3	-			-			-			-			0.40	0.55	UR	-			-			-			-			0.70		
Enoch Valley Mine, Hedin Spring	MSG001	-			-			-			-			0.40	0.55	UR	-			-			-			-			0.90		
Ballard Mine, Garden Hose Spring	MSG003	-			-			-			110		J	260		J	-			-			-			10		J	11		
Ballard Mine, Holmgren Spring	MSG004	-			-			-			-			29		J	-			-			-			-			9.0		
Ballard Mine, Cattle Spring	MSG005	-			-			-			-			17		J	-			-			-			-			1.8		

Table 19: Uncensored Sediment Analytical Historical Data (mg/kg, dw) continued

		Selenium															Cadmium													
Station		**1998**			**1999**			**2000**			**2002**						**1998**			**1999**			**2000**			**2002**					
Name	**ID**	**Sept.**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**May**	**RL**	**Flag**	**May**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**May**	**RL**	**Flag**	**May**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**
Ballard Mine Dredge Pond	MSP010-avg	-			-			-			78		J	150		J	-			-			-			22		J	21		
	MSP010-R1	-			-			-			84		J	-			-			-			-			22		J	-		
	MSP010-R2	-			-			-			75		J	-			-			-			-			21		J	-		
	MSP010-R3	-			-			-			74		J	-			-			-			-			22		J	-		
Ballard Mine Upper Elk Pond	MSP011	47			-			-			7.2		J	-			74			-			-			43		J	-		
Ballard Mine Lower Elk Pond	MSP012	-			-			-			44		J	-			-			-			-			120		J	-		
Henry Mine Henry Pond	MSP014	-			-			-			20		J	3.3		J	-			-			-			18		J	10		
Henry Mine Smith Pond	MSP015	-			-			-			24		J	51		J	-			-			-			3.1		J	4.5		
Henry Mine Center Henry Pond	MSP016-avg	-			-			-			20		J	29		J	-			-			-			48		J	45		
	MSP016-R1	-			-			-			-			31		J	-			-			-			-			42		
	MSP016-R2	-			-			-			-			31		J	-			-			-			-			46		
	MSP016-R3	-			-			-			-			25		J	-			-			-			-			46		
Enoch Valley Mine South Pond	MSP017	-			-			-			48		J	33		J	-			-			-			12		J	6.6		
Enoch Valley Mine Keyhole Pond	MSP018	-			-			-			91		J	120		J	-			-			-			310		J	260		
Enoch Valley Mine Bat Cave Pond	MSP019	-			-			-			7.9		J	23		J	-			-			-			34		J	20		
Enoch Valley Mine West Pond	MSP020	-			-			-			18		J	57		J	-			-			-			34		J	40		
Enoch Valley Mine Stock Pond	MSP021-avg	-			-			-			12		J	55		J	-			-			-			23		J	27		
	MSP021-R1	-			-			-			11		J	-			-			-			-			24		J	-		
	MSP021-R2	-			-			-			12		J	-			-			-			-			23		J	-		
	MSP021-R3	-			-			-			13		J	-			-			-			-			22		J	-		
Enoch Valley Mine Tipple Pond	MSP022	-			-			-			3.6		J	40		J	-			-			-			12		J	50		
Enoch Valley Mine Haul Road Pond	MSP023	-			-			-			2.9		J	28		J	-			-			-			15		J	26		
Enoch Valley Mine Shop Pond	MSP031	-			-			-			0.80	1.4	UJ	5.1		J	-			-			-			2.2		J	13		
Henry Mine South Pit Pond	MSP055	-			-			-			14		J	-			-			-			-			61		J	-		
Ballard Mine Pit #4 Stock Pond	MSP059	-			-			-			9.5		J	-			-			-			-			84		J	-		
Blackfoot River, below Ballard Creek	MST019-avg	1.0			1.1			-			0.77	1.4	UJ	0.50	0.55	UR	2.9			2.5			-			0.99		J	1.4		
	MST019-T1	-			-			-			1.0	1.4	UJ	-			-			-			-			0.83		J	-		
	MST019-T2	-			-			-			0.60	1.4	UJ	-			-			-			-			1.1		J	-		
	MST019-T3	-			-			-			0.70	1.4	UJ	-			-			-			-			1.1		J	-		
Blackfoot River, below State Land Creek	MST020-avg	1.6			0.60			-			0.67	1.4	UJ	0.90		J[a]	2.8			2.4			-			1.5		J	1.1		
	MST020-T1	-			-			-			0.60	1.4	UJ	1.1		J	-			-			-			1.4		J	1.3		
	MST020-T2	-			-			-			0.70	1.4	UJ	0.30	0.55	UR	-			-			-			1.8		J	1.1		
	MST020-T3	-			-			-			0.70	1.4	UJ	0.70		J	-			-			-			1.2		J	0.90		

Table 19: Uncensored Sediment Analytical Historical Data (mg/kg, dw) continued

		Selenium															Cadmium													
Station		**1998**			**1999**			**2000**			**2002**						**1998**			**1999**			**2000**			**2002**					
Name	**ID**	**Sept.**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**May**	**RL**	**Flag**	**May**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**May**	**RL**	**Flag**	**May**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**
Blackfoot River, below Trail Creek	MST021	-			2.4			-			1.4		J	0.50	0.55	UR	-			2.5			-			0.80		J	1.3		
Blackfoot River, below Wooley Valley Creek	MST022-avg	0.56			-			-			1.0	1.4	UJ	0.50	0.55	UR	2.8			-			-			0.98		J	1.3		
	MST022	-			-			-			-			-			-			-			-			-			-		
	MST022-R1	0.39			-			-			-			-			2.7			-			-			-			-		
	MST022-R2	0.63			-			-			-			-			2.7			-			-			-			-		
	MST022-R3	0.65			-			-			-			-			3.1			-			-			-			-		
	MST022-T1	-			-			-			1.0	1.4	UJ	0.50	0.55	UR	-			-			-			0.90		J	1.0		
	MST022-T2	-			-			-			1.1	1.4	UJ	0.50	0.55	UR	-			-			-			1.1		J	1.0		
	MST022-T3	-			-			-			1.0	1.4	UJ	0.50	0.55	UR	-			-			-			0.99		J	2.0		
Blackfoot River, below Dry Valley Creek, (1997 #20)	MST023-avg	1.4			1.6			-			1.2	0.50<x<1.4	UJ	1.1		J[a]	2.6			0.75			-			0.92		J	0.40	0.40<x<1.1	U
	MST023-R1	1.3			-			-			-			-			2.7			-			-			-			-		
	MST023-R2	1.4			-			-			-			-			2.9			-			-			-			-		
	MST023-R3	1.6			-			-			-			-			2.2			-			-			-			-		
	MST023-T1	-			-			-			1.5		J	1.1		J	-			-			-			0.96		J	1.2		
	MST023-T2	-			-			-			1.1	1.4	UJ	0.40	0.55	UR	-			-			-			0.92		J	0.000050	1.0	U
	MST023-T3	-			-			-			1.1	1.4	UJ	0.40	0.55	UR	-			-			-			0.89		J	0.000060	1.0	U
Blackfoot River, above Dry Valley Creek, (1997 #19)	MST024-avg	1.7			1.2			-			0.90	1.4	UJ	-			3.2			2.2			-			1.1		J	-		
	MST024	1.5			-			-			-			-			-			-			-			-			-		
	MST024-D	1.8			-			-			-			-			-			-			-			-			-		
Blackfoot River, below Wooley Range Ridge	MST025	-			-			-			0.70	1.4	UJ	-			-			-			-			1.0		J	-		
Blackfoot River, above Wooley Range Ridge Creek	MST026-avg	1.2			1.3			-			0.80	1.4	UJ	-			4.1			1.4			-			0.90		J	-		
	MST026-R1	-			1.2			-			0.70	1.4	UJ	-			-			1.3			-			0.83		J	-		
	MST026-R2	-			1.3			-			0.80	1.4	UJ	-			-			1.5			-			0.91		J	-		
	MST026-R3	-			1.3			-			0.90	1.4	UJ	-			-			1.3			-			0.97		J	-		
Blackfoot River, below Angus Creek	MST027-avg	-			0.11			-			0.77	1.4	UJ	0.77		J	-			2.3			-			0.84		J	0.86		
	MST027	-			-			-			-			-			-			-			-			-			-		
	MST027-D	-			-			-			-			-			-			-			-			-			-		
	MST027-T1	-			-			-			0.70	1.4	UJ	0.80		J	-			-			-			0.88		J	0.78		
	MST027-T2	-			-			-			0.70	1.4	UJ	0.60		J	-			-			-			0.80		J	0.91		
	MST027-T3	-			-			-			0.90	1.4	UJ	0.90		J	-			-			-			0.84		J	0.89		
Blackfoot River, above Diamond Creek Rd.	MST028-avg	-			0.81			-			0.60	1.4	UJ	0.47	0.55	UR	-			1.0			-			0.89		J	0.58		
	MST028-T1	-			-			-			0.70	1.4	UJ	0.50	0.55	UR	-			-			-			0.92		J	0.55		
	MST028-T2	-			-			-			0.50	1.4	UJ	0.40	0.55	UR	-			-			-			0.87		J	0.60		
	MST028-T3	-			-			-			0.60	1.4	UJ	0.50	0.55	UR	-			-			-			0.88		J	0.60		

Table 19: Uncensored Sediment Analytical Historical Data (mg/kg, dw) continued

		Selenium															Cadmium														
Station		**1998**			**1999**			**2000**			**2002**						**1998**			**1999**			**2000**			**2002**					
Name	**ID**	**Sept.**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**May**	**RL**	**Flag**	**May**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**May**	**RL**	**Flag**	**May**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**
Blackfoot River, above Spring Creek	MST029-avg	0.97			0.45			-			0.27	1.4	UJ	-			2.4			1.0			-			0.73		J	-		
	MST029	-			-			-			-			-			2.5			1.0			-			-			-		
	MST029-D	-			-			-			-			-			2.2			-			-			-			-		
	MST029-R1	-			-			-			0.30	1.4	UJ	-			-			-			-			0.93		J	-		
	MST029-R2	-			-			-			0.30	1.4	UJ	-			-			-			-			0.59		J	-		
	MST029-R3	-			-			-			0.20	1.4	UJ	-			-			-			-			0.67		J	-		
Little Blackfoot River, below Long Valley	MST043	1.5			1.6			-			2.0		J	-			2.6			2.4			-			1.0		J	-		
Little Blackfoot River, immediately below Henry Mine, (1997 #24)	MST044-avg	1.9			-			-			1.9		J	-			6.7			-			-			2.0		J	-		
	MST044-R1	2.1			-			-			-			-			6.9			-			-			-			-		
	MST044-R2	1.3			-			-			-			-			5.5			-			-			-			-		
	MST044-R3	2.3			-			-			-			-			7.7			-			-			-			-		
	MST044-T1	-			-			-			1.9		J	-			-			-			-			2.7		J	-		
	MST044-T2	-			-			-			1.8		J	-			-			-			-			2.0		J	-		
	MST044-T3	-			-			-			1.9		J	-			-			-			-			1.3		J	-		
Little Blackfoot River, above Henry Creek, (1997 #23)	MST045-avg	-			-			-			1.6		J	-			-			-			-			1.1		J	-		
	MST045-T1	-			-			-			1.6		J	-			-			-			-			1.0		J	-		
	MST045-T2	-			-			-			1.4		J	-			-			-			-			1.3		J	-		
	MST045-T3	-			-			-			1.7		J	-			-			-			-			0.93		J	-		
Little Blackfoot River, below Lone Pine Creek	MST046-avg	0.52			-			-			0.70	1.4	UJ	-			3.8			-			-			1.4		J	-		
	MST046-T1	-			-			-			0.40	1.4	UJ	-			-			-			-			1.1		J	-		
	MST046-T2	-			-			-			0.90	1.4	UJ	-			-			-			-			1.6		J	-		
	MST046-T3	-			-			-			0.80	1.4	UJ	-			-			-			-			1.5		J	-		
Little Blackfoot River, above Lone Pine Creek	MST047-avg	0.50			-			-			0.33	1.4	UJ	-			3.6			-			-			1.7		J	-		
	MST047-T1	-			-			-			0.30	1.4	UJ	-			-			-			-			1.5		J	-		
	MST047-T2	-			-			-			0.30	1.4	UJ	-			-			-			-			1.8		J	-		
	MST047-T3	-			-			-			0.40	1.4	UJ	-			-			-			-			1.8		J	-		
Little Blackfoot River, below Reese Creek	MST048-avg	0.80			-			-			0.67	1.4	UJ	-			3.2			-			-			1.2		J	-		
	MST048-R1	0.75			-			-			-			-			3.2			-			-			-			-		
	MST048-R1-D	0.47			-			-			-			-			-			-			-			-			-		
	MST048-R2	1.1			-			-			-			-			3.5			-			-			-			-		
	MST048-R3	0.68			-			-			-			-			3.0			-			-			-			-		
	MST048-T1	-			-			-			0.80	1.4	UJ	-			-			-			-			1.2		J	-		
	MST048-T2	-			-			-			0.50	1.4	UJ	-			-			-			-			1.2		J	-		
	MST048-T3	-			-			-			0.70	1.4	UJ	-			-			-			-			1.1		J	-		

Table 19: Uncensored Sediment Analytical Historical Data (mg/kg, dw) continued

		Selenium															Cadmium													
Station		1998			1999			2000			2002						1998			1999			2000			2002					
Name	ID	Sept.	RL	Flag	Sept.	RL	Flag	May	RL	Flag	May	RL	Flag	Sept.	RL	Flag	Sept.	RL	Flag	Sept.	RL	Flag	May	RL	Flag	May	RL	Flag	Sept.	RL	Flag
Little Blackfoot River, above Reese Creek	MST049-avg	0.88			1.3			-			0.83	1.4	UJ	0.90		J	3.7			3.6			-			1.5		J	1.2		
	MST049-R1	0.58			-			-			1.1	1.4	UJ	-			3.6			-			-			1.4		J	-		
	MST049-R2	1.3			-			-			0.70	1.4	UJ	-			3.8			-			-			1.5		J	-		
	MST049-R3	0.77			-			-			0.70	1.4	UJ	-			3.8			-			-			1.5		J	-		
Long Valley Creek, below Ballard Mine, (ponded area)	MST050-avg	-			-			-			0.43	1.4	UJ	-			-			-			-			1.8		J	-		
	MST050-T1	-			-			-			0.40	1.4	UJ	-			-			-			-			1.7		J	-		
	MST050-T2	-			-			-			0.50	1.4	UJ	-			-			-			-			2.1		J	-		
	MST050-T3	-			-			-			0.40	1.4	UJ	-			-			-			-			1.7		J	-		
Lone Pine Creek, above Little Blackfoot River	MST053-avg	-			-			-			0.70	1.4	UJ	-			-			-			-			1.5		J	-		
	MST053-T1	-			-			-			0.70	1.4	UJ	-			-			-			-			1.5		J	-		
	MST053-T2	-			-			-			0.60	1.4	UJ	-			-			-			-			1.5		J	-		
	MST053-T3	-			-			-			0.80	1.4	UJ	-			-			-			-			1.5		J	-		
Lone Pine Creek, above Spring-Fed Creek	MST054	-			1.1			-			0.50	1.4	UJ	-			-			4.0			-			0.90		J	-		
Lone Pine Creek, below Strip Mine Creek	MST055-avg	-			-			-			0.87	1.4	UJ	-			-			-			-			1.1		J	-		
	MST055-T1	-			-			-			0.80	1.4	UJ	-			-			-			-			1.1		J	-		
	MST055-T2	-			-			-			0.80	1.4	UJ	-			-			-			-			1.0		J	-		
	MST055-T3	-			-			-			1.0	1.4	UJ	-			-			-			-			1.3		J	-		
Lone Pine Creek, above Lone Pine Creek	MST057-avg	-			-			-			4.1		J	1.5		J	-			-			-			4.4		J	4.1		
	MST057-T1	-			-			-			4.2		J	1.3		J	-			-			-			4.3		J	4.1		
	MST057-T2	-			-			-			4.5		J	1.8		J	-			-			-			4.8		J	4.7		
	MST057-T3	-			-			-			3.5		J	1.4		J	-			-			-			4.1		J	3.4		
Lone Pine Creek, above West Fork Lone Pine Creek	MST058-avg	-			-			-			3.2		J	0.50		J	-			-			-			4.0		J	1.2		
	MST058-T1	-			-			-			3.9		J	-			-			-			-			4.7		J	-		
	MST058-T2	-			-			-			3.5		J	-			-			-			-			3.6		J	-		
	MST058-T3	-			-			-			2.2		J	-			-			-			-			3.6		J	-		
Strip Mine Creek, above Lone Pine Creek	MST062-avg	-			-			-			0.47	1.4	UJ	-			-			-			-			1.8		J	-		
	MST062-T1	-			-			-			0.40	1.4	UJ	-			-			-			-			1.8		J	-		
	MST062-T2	-			-			-			0.70	1.4	UJ	-			-			-			-			2.1		J	-		
	MST062-T3	-			-			-			0.30	1.4	UJ	-			-			-			-			1.5		J	-		
Strip Mine Creek, below Henry Mine	MST063	-			-			-			2.1		J	-			-			-			-			4.4		J	-		
West Fork Lone Pine Creek, above tributary	MST064	-			-			-			2.7		J	0.80		J	-			-			-			7.6		J	5.0		

Table 19: Uncensored Sediment Analytical Historical Data (mg/kg, dw) continued

		Selenium															Cadmium													
Station		**1998**			**1999**			**2000**			**2002**						**1998**			**1999**			**2000**			**2002**					
Name	**ID**	**Sept.**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**May**	**RL**	**Flag**	**May**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**May**	**RL**	**Flag**	**May**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**
Ballard Creek, above Blackfoot River	MST066-avg	-			-			-			2.4		J	-			-			-			-			2.3		J	-		
	MST066-T1	-			-			-			2.5		J	-			-			-			-			2.4		J	-		
	MST066-T2	-			-			-			2.7		J	-			-			-			-			2.2		J	-		
	MST066-T3	-			-			-			2.0		J	-			-			-			-			2.3		J	-		
Ballard Creek headwaters	MST067	-			-			-			57		J	-			-			-			-			15		J	-		
Short Creek, below Ballard Mine	MST069-avg	-			-			-			620		J	690		J	-			-			-			21		J	-		
	MST069-R1	-			-			-			580		J	-			-			-			-			18		J	-		
	MST069-R2	-			-			-			660		J	-			-			-			-			22		J	-		
	MST069-R3	-			-			-			630		J	-			-			-			-			22		J	-		
Wooley Valley Creek, below North Fork Wooley Valley Creek	MST089	-			-			-			2.5		J	-			-			-			-			8.3		J	-		
Wooley Valley Creek, above North Fork Wooley Valley Creek	MST090	-			-			-			0.40	1.4	UJ	-			-			-			-			1.2		J	-		
North Fork Wooley Valley Creek, above Wooley Valley Creek	MST092-avg	-			-			-			16		J	-			-			-			-			6.4		J	-		
	MST092-T1	-			-			-			19		J	-			-			-			-			7.0		J	-		
	MST092-T2	-			-			-			15		J	-			-			-			-			5.9		J	-		
	MST092-T3	-			-			-			15		J	-			-			-			-			6.4		J	-		
North Fork Wooley Valley Creek, above Ballard Mine	MST093-avg	-			-			-			0.40	1.4	UJ	-			-			-			-			2.6		J	-		
	MST093-T1	-			-			-			0.40	1.4	UJ	-			-			-			-			2.8		J	-		
	MST093-T2	-			-			-			0.40	1.4	UJ	-			-			-			-			2.4		J	-		
	MST093-T3	-			-			-			0.40	1.4	UJ	-			-			-			-			2.5		J	-		
Spring-fed tributary #1 of North Fork Wooley Valley Creek, below Ballard Mine	MST094	-			-			-			1.3	1.4	UJ	-			-			-			-			2.7		J	-		
Spring-fed tributary #2of North Fork Wooley Valley Creek, below Ballard Mine	MST095	-			-			-			64		J	-			-			-			-			12		J	-		
Tributary of North Fork Wooley , below Ballard Mine	MST096	-			-			-			4.9		J	-			-			-			-			1.1		J	-		
Caldwell Creek, below Phosphoria Formation outcrop	MST101-avg	1.1			1.0			-			0.60	1.4	UJ	0.50	0.55	UR	4.3			4.4			-			1.0		J	1.2		
	MST101-R1	1.2			1.0			-			-			-			4.3			4.5			-			-			-		
	MST101-R1-D	-			-			-			-			-			4.4			-			-			-			-		
	MST101-R2	1.3			1.0			-			-			-			4.0			4.3			-			-			-		
	MST101-R3	0.76			1.1			-			-			-			4.5			4.3			-			-			-		
Angus Creek, above Blackfoot River	MST126-avg	-			-			-			4.4		J	0.43	0.55	UR	-			-			-			5.8		J	3.3		
	MST126-R1	-			-			-			-			0.50	0.55	UR	-			-			-			-			3.2		
	MST126-R2	-			-			-			-			0.40	0.55	UR	-			-			-			-			3.4		
	MST126-R3	-			-			-			-			0.40	0.55	UR	-			-			-			-			3.2		
Angus Creek, below No Name Creek	MST127-avg	-			1.4			-			1.2	1.4	UJ	0.65		J[a]	-			6.9			-			3.1		J	3.4		
	MST127	-			-			-			-			-			-			-			-			-			-		
	MST127-T1	-			-			-			1.3	1.4	UJ	0.70		J	-			-			-			3.1		J	3.2		
	MST127-T2	-			-			-			1.0	1.4	UJ	0.50	0.55	UR	-			-			-			3.1		J	3.3		
	MST127-T3	-			-			-			1.3	1.4	UJ	0.60		J	-			-			-			3.0		J	3.6		

Table 19: Uncensored Sediment Analytical Historical Data (mg/kg, dw) continued

		Selenium															Cadmium													
Station		1998			1999			2000			2002						1998			1999			2000			2002					
Name	ID	Sept.	RL	Flag	Sept.	RL	Flag	May	RL	Flag	May	RL	Flag	Sept.	RL	Flag	Sept.	RL	Flag	Sept.	RL	Flag	May	RL	Flag	May	RL	Flag	Sept.	RL	Flag
Angus Creek, above Rasmussen Creek	MST128-avg	-			-			-			0.40	1.4	UJ	0.40	0.55	UR	-			-			-			2.0		J	2.3		
	MST128-T1	-			-			-			0.40	1.4	UJ	0.40	0.55	UR	-			-			-			1.9		J	2.2		
	MST128-T2	-			-			-			0.40	1.4	UJ	0.40	0.55	UR	-			-			-			1.8		J	2.9		
	MST128-T3	-			-			-			0.40	1.4	UJ	0.40	0.55	UR	-			-			-			2.3		J	1.8		
Angus Creek, R-B&M-10, below Wooley Valley Mine	MST129-avg	0.54			-			-			0.43	1.4	UJ	-			3.9			-			-			1.4		J	-		
	MST129-T1	-			-			-			0.40	1.4	UJ	-			-			-			-			1.3		J	-		
	MST129-T2	-			-			-			0.50	1.4	UJ	-			-			-			-			1.8		J	-		
	MST129-T3	-			-			-			0.40	1.4	UJ	-			-			-			-			1.3		J	-		
Angus Creek, R-B&M-10, below Upper Angus Creek Reservoir	MST130-avg	-			-			-			12		J	-			-			-			-			8.6		J	-		
	MST130-R1	-			-			-			11		J	-			-			-			-			8.9		J	-		
	MST130-R2	-			-			-			11		J	-			-			-			-			8.3		J	-		
	MST130-R3	-			-			-			13		J	-			-			-			-			8.7		J	-		
Rassmussen Creek, above Angus Creek	MST131-avg	3.0			-			-			0.93	1.4	UJ	0.70		J[a]	5.5			-			-			3.1		J	2.8		
	MST131	-			-			-			-			-			5.5			-			-			-			-		
	MST131-D	-			-			-			-			-			5.5			-			-			-			-		
	MST131-T1	-			-			-			1.2	1.4	UJ	0.40	0.55	UR	-			-			-			3.2		J	2.7		
	MST131-T2	-			-			-			0.80	1.4	UJ	0.50	0.55	UR	-			-			-			3.3		J	2.6		
	MST131-T3	-			-			-			0.80	1.4	UJ	0.70		J	-			-			-			3.0		J	3.0		
Angus Creek, below Rasmussen Creek	MST132-avg	1.3			-			-			0.50	1.4	UJ	0.57		J	5.0			-			-			2.8		J	2.9		
	MST132-T1	-			-			-			0.70	1.4	UJ	0.50		J	-			-			-			2.4		J	3.0		
	MST132-T2	-			-			-			0.40	1.4	UJ	0.60		J	-			-			-			3.7		J	2.8		
	MST132-T3	-			-			-			0.40	1.4	UJ	0.60		J	-			-			-			2.4		J	3.0		
Rasmussen Creek, below Enoch Valley Mine	MST133-avg	-			2.2			-			0.97	1.4	UJ	-			-			5.9			-			2.1		J	-		
	MST133-T1	-			-			-			1.2	1.4	UJ	-			-			-			-			2.1		J	-		
	MST133-T2	-			-			-			0.90	1.4	UJ	-			-			-			-			2.2		J	-		
	MST133-T3	-			-			-			0.80	1.4	UJ	-			-			-			-			1.9		J	-		
Rasmussen Creek, below West Pond Creek	MST134	-			-			-			0.80	1.4	UJ	-			-			-			-			1.8		J	-		
Rasmussen Creek, above West Pond Creek	MST135	-			-			-			0.80	1.4	UJ	-			-			-			-			4.3		J	-		
Rasmussen Creek headwaters, near Enoch Valley Mine Shop Pond	MST136	-			-			-			1.7		J	-			-			-			-			4.6		J	-		
East Fork Rasmussen Creek, above Rasmussen Creek	MST143-avg	-			-			-			0.87	1.4	UJ	-			-			-			-			2.7		J	-		
	MST143-T1	-			-			-			0.40	1.4	UJ	-			-			-			-			2.4		J	-		
	MST143-T2	-			-			-			1.7	1.4	UJ	-			-			-			-			2.7		J	-		
	MST143-T3	-			-			-			0.50	1.4	UJ	-			-			-			-			3.0		J	-		
East Fork Lone Pine Creek, below Wooley Valley Mine	MST226	-			-			-			0.50	1.4	UJ	-			-			-			-			2.6		J	-		

Table 19: Uncensored Sediment Analytical Historical Data (mg/kg, dw) continued

		Selenium															Cadmium													
Station		**1998**			**1999**			**2000**			**2002**						**1998**			**1999**			**2000**			**2002**					
Name	**ID**	**Sept.**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**May**	**RL**	**Flag**	**May**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**May**	**RL**	**Flag**	**May**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**
Blackfoot River, below Spring Creek	MST229-avg	-			3.2			-			0.50	1.4	UJ	-			-			2.0			-			0.74		J	-		
	MST229-R1	-			3.1			-			-			-			-			1.8			-			-			-		
	MST229-R2	-			3.5			-			-			-			-			2.1			-			-			-		
	MST229-R3	-			3.1			-			-			-			-			2.1			-			-			-		
Blackfoot River, above State Land Creek	MST230	-			0.71			-			0.50	1.4	UJ	-			-			2.6			-			1.0		J	-		
Blackfoot River, below Woodall Mountain	MST231	-			-			-			0.80	1.4	UJ	0.40	0.55	UR	-			-			-			1.1		J	0.72		
Blackfoot River, above Blackfoot Reservoir	MST232-avg	-			1.4			-			0.60	1.4	UJ	0.67		J	-			4.1			-			1.9		J	2.2		
	MST232-R1	-			-			-			-			0.70		J	-			-			-			-			2.3		
	MST232-R2	-			-			-			-			0.70		J	-			-			-			-			2.5		
	MST232-R3	-			-			-			-			0.60		J	-			-			-			-			1.9		
Little Blackfoot River, above Blackfoot Reservoir	MST234-avg	-			-			-			1.1	0.77<x<1.3	UJ	1.1		J[a]	-			-			-			1.0		J	1.2		
	MST234-R1	-			-			-			-			-			-			-			-			-			-		
	MST234-R2	-			-			-			-			-			-			-			-			-			-		
	MST234-R3	-			-			-			-	0		-			-			-			-			-			-		
	MST234-T1	-			-			-			2.3	0	J	0.90		J	-			-			-			1.1		J	1.1		
	MST234-T2	-			-			-			0.90	1.4	UJ	0.50	0.55	UR	-			-			-			0.88		J	1.3		
	MST234-T3	-			-			-			-0.00016	0.10	UJ	1.2		J	-			-			-			1.1		J	1.3		
Meadow Creek, above Blackfoot Reservoir	MST235-avg	-			0.13			-			0.70	1.4	UJ	0.40	0.55	UR	-			0.49			-			0.60		J	0.80		
	MST235	-			-			-			-			-			-			0.33			-			-			-		
	MST235-D	-			-			-			-			-			-			0.64			-			-			-		
Stewart Creek, above Diamond Creek	MST236-avg	-			1.1			-			-			0.60		J	-			4.2			-			-			3.2		
	MST236-R1	-			1.2			-			-			-			-			4.5			-			-			-		
	MST236-R2	-			1.1			-			-			-			-			4.8			-			-			-		
	MST236-R3	-			1.1			-			-			-			-			3.2			-			-			-		
Timber Creek, above Diamond Creek	MST237-avg	-			1.3			-			1.0	1.4	UJ	0.57		J	-			4.4			-			0.87		J	0.58	0.58<x<1.2	U
	MST237-R1	-			1.1			-			1.3	1.4	UJ	0.60		J	-			4.3			-			0.80		J	0.91		
	MST237-R2	-			1.3			-			1.1	1.4	UJ	0.60		J	-			4.6			-			0.90		J	0.83		
	MST237-R3	-			1.6			-			0.70	1.4	UJ	0.50		J	-			4.2			-			0.90		J	0.000070	2.0	U
Little Blackfoot River, upstream of Henry	MST254	-			-			-			0.40	1.4	UJ	-			-			-			-			1.5		J	-		

Table 19: Uncensored Sediment Analytical Historical Data (mg/kg, dw) continued

		Selenium															Cadmium													
Station		**1998**			**1999**			**2000**			**2002**						**1998**			**1999**			**2000**			**2002**					
Name	**ID**	**Sept.**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**May**	**RL**	**Flag**	**May**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**May**	**RL**	**Flag**	**May**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**
East Fork Rasmussen Creek headwaters	MST269	-			-			-			-			4.9		J	-			-			-			-			16		
Wooley Valley Creek, above Loadout Creek at road	MST272	-			-			-			0.80	1.4	UJ	-			-			-			-			3.3		J	-		
Wooley Valley Creek, above ponding and below MST089	MST273-avg	-			-			-			1.3	0.50<x<1.4	UJ	-			-			-			-			2.6		J	-		
	MST273-T1	-			-			-			1.2	1.4	UJ	-			-			-			-			2.7		J	-		
	MST273-T2	-			-			-			1.2	1.4	UJ	-			-			-			-			2.6		J	-		
	MST273-T3	-			-			-			1.5		J	-			-			-			-			2.5		J	-		
West Fork Rasmussen Creek, above Rasmussen Creek	MST274	-			-			-			1.6		J	1.9		J	-			-			-			9.0		J	6.0		
North Fork Lone Pine Creek, Northeast and above East Fork Lone Pine Creek	MST275	-			-			-			-			0.20	0.55	UR	-			-			-			-			0.90		
Tributary to West Fork Lone Pine Creek, above West Fork Lone Pine Creek	MST276-avg	-			-			-			3.2		J	1.4		J	-			-			-			4.0		J	3.3		
	MST276-T1	-			-			-			3.9		J	-			-			-			-			-			-		
	MST276-T2	-			-			-			3.5		J	-			-			-			-			-			-		
	MST276-T3	-			-			-			2.2		J	-			-			-			-			-			-		

Table 19: Uncensored Sediment Analytical Historical Data (mg/kg, dw) continued

		Chromium						Nickel												Vanadium											
Station		2002						1998			2000			2002						1998			2000			2002					
Name	ID	May	RL	Flag	Sept.	RL	Flag	Sept.	RL	Flag	May	RL	Flag	May	RL	Flag	Sept.	RL	Flag	Sept.	RL	Flag	May	RL	Flag	May	RL	Flag	Sept.	RL	Flag
Henry Mine South Pit Overburden Dump Limestone Drain (formerly FD002) (1997 #29)	MDS022-avg	18			20		J	-			-			62		J	44		J	-			-			22			24		
	MDS022-R1	19			-			-			-			63		J	-			-			-			22			-		
	MDS022-R2	18			-			-			-			60		J	-			-			-			21			-		
	MDS022-R3	18			-			-			-			62		J	-			-			-			21			-		
Enoch Valley Mine West Dump Seep	MDS025	490			-			-			-			180		J	-			-			-			220			-		
Enoch Valley Mine South Dump Seep	MDS026	250			240		J	-			-			140		J	120		J	-			-			80			73		
Upper Blackfoot Reservoir	MRV001-avg	-			-			-			-			-			-			-			-			-			-		
	MRV001	-			-			-			-			-			-			-			-			-			-		
	MRV001-D	-			-			-			-			-			-			-			-			-			-		
Upper Blackfoot Reservoir	MRV002-avg	-			-			-			-			-			-			-			-			-			-		
	MRV002-R1	-			-			-			-			-			-			-			-			-			-		
	MRV002-R2	-			-			-			-			-			-			-			-			-			-		
	MRV002-R3	-			-			-			-			-			-			-			-			-			-		
Upper Blackfoot Reservoir	MRV003	-			-			-			-			-			-			-			-			-			-		
Upper Blackfoot Reservoir	MRV004	-			-			-			-			-			-			-			-			-			-		
Upper Blackfoot Reservoir	MRV005	-			-			-			-			-			-			-			-			-			-		
	MRV005	-			-			-			-			-			-			-			-			-			-		
	MRV005	-			-			-			-			-			-			-			-			-			-		
Lower Blackfoot Reservoir	MRV006	-			-			-			-			-			-			-			-			-			-		
Lower Blackfoot Reservoir	MRV007-avg	-			-			-			-			-			-			-			-			-			-		
	MRV007-R1	-			-			-			-			-			-			-			-			-			-		
	MRV007-R2	-			-			-			-			-			-			-			-			-			-		
	MRV007-R3	-			-			-			-			-			-			-			-			-			-		
Lower Blackfoot Reservoir	MRV008	-			-			-			-			-			-			-			-			-			-		
Lower Blackfoot Reservoir	MRV009	-			-			-			-			-			-			-			-			-			-		
Lower Blackfoot Reservoir	MRV010	-			-			-			-			-			-			-			-			-			-		
Reservoir Delta at Blackfoot River	MRV011-avg	19			16		J	-			21			18		J	9.7		J	-			35			21			15		
	MRV011-P1	-			-			-			-			-			-			-			-			-			-		
	MRV011-P2	-			-			-			-			-			-			-			-			-			-		
	MRV011-P3	-			-			-			-			-			-			-			-			-			-		
	MRV011-P1-1-R1	-			-			-			23			-			-			-			39			-			-		
	MRV011-P1-1-R2	-			-			-			25			-			-			-			39			-			-		
	MRV011-P1-1-R3	-			-			-			23			-			-			-			38			-			-		
	MRV011-P1-2	-			-			-			21			-			-			-			34			-			-		
	MRV011-P1-3	-			-			-			25			-			-			-			40			-			-		
	MRV011-P1-4	-			-			-			21			-			-			-			35			-			-		
	MRV011-P1-5	-			-			-			16			-			-			-			28			-			-		
	MRV011-P1-6	-			-			-			19			-			-			-			31			-			-		
	MRV011-P1-7	-			-			-			21			-			-			-			35			-			-		
	MRV011-P2-1	-			-			-			25			-			-			-			39			-			-		
	MRV011-P2-2	-			-			-			19			-			-			-			31			-			-		
	MRV011-P2-2-D	-			-			-			19			-			-			-			32			-			-		
	MRV011-P2-3	-			-			-			24			-			-			-			39			-			-		
	MRV011-P2-3D	-			-			-			-			-			-			-			36			-			-		
	MRV011-P2-4	-			-			-			22			-			-			-			-			-			-		
	MRV011-P2-5	-			-			-			17			-			-			-			31			-			-		
	MRV011-P3-1	-			-			-			27			-			-			-			44			-			-		
	MRV011-P3-2	-			-			-			24			-			-			-			37			-			-		
	MRV011-P3-3	-			-			-			22			-			-			-			34			-			-		
	MRV011-P3-4-R1	-			-			-			21			-			-			-			38			-			-		
	MRV011-P3-4-R2	-			-			-			22			-			-			-			35			-			-		
	MRV011-P3-4-R3	-			-			-			23			-			-			-			39			-			-		
	MRV011-P3-5	-			-			-			17			-			-			-			28			-			-		
Reservoir Delta at Little Blackfoot River	MRV016	20			-			-			-			16		J	-			-			-			10			-		
Reservoir Delta at Meadow Creek	MRV017-avg	11			17		J	-			-			6.6		J	11		J	-			-			11			18		
	MRV017-R1	-			17		J	-			-			-			11		J	-			-			-			18		
	MRV017-R2	-			16		J	-			-			-			11		J	-			-			-			18		
	MRV017-R3	-			17		J	-			-			-			11		J	-			-			-			19		
Enoch Valley Mine, Hedin Spring	MSG001	-			18		J	-			-			-			18		J	-			-			-			24		
Ballard Mine, Garden Hose Spring	MSG003	150			160		J	-			-			88		J	72		J	-			-			-			92		
Ballard Mine, Holmgren Spring	MSG004	-			87		J	-			-			-			86		J	-			-			-			64		
Ballard Mine, Cattle Spring	MSG005	-			28		J	-			-			-			20		J	-			-			-			22		

Table 19: Uncensored Sediment Analytical Historical Data (mg/kg, dw) continued

		Chromium						Nickel												Vanadium											
Station		2002						1998			2000			2002						1998			2000			2002					
Name	ID	May	RL	Flag	Sept.	RL	Flag	Sept.	RL	Flag	May	RL	Flag	May	RL	Flag	Sept.	RL	Flag	Sept.	RL	Flag	May	RL	Flag	May	RL	Flag	Sept.	RL	Flag
Ballard Mine Dredge Pond	MSP010-avg	330			-			-			-			220		J	220		J	-			-			160			180		
	MSP010-R1	315			-			-			-			220		J	-			-			-			150			-		
	MSP010-R2	334			-			-			-			210		J	-			-			-			160			-		
	MSP010-R3	330			-			-			-			220		J	-			-			-			160			-		
Ballard Mine Upper Elk Pond	MSP011	410			-			290			-			99		J	-			890			-			280			-		
Ballard Mine Lower Elk Pond	MSP012	580			-			-			-			240		J	-			-			-			510			-		
Henry Mine Henry Pond	MSP014	120			69		J	-			-			93		J	47		J	-			-			130			86		
Henry Mine Smith Pond	MSP015	22			25		J	-			-			59		J	62		J	-			-			30			36		
Henry Mine Center Henry Pond	MSP016-avg	330			190		J	-			-			160		J	72		J	-			-			640			270		
	MSP016-R1	-			170		J	-			-			-			67		J	-			-			-			240		
	MSP016-R2	-			220		J	-			-			-			79		J	-			-			-			310		
	MSP016-R3	-			180		J	-			-			-			70		J	-			-			-			260		
Enoch Valley Mine South Pond	MSP017	180			39		J	-			-			180		J	59		J	-			-			96			41		
Enoch Valley Mine Keyhole Pond	MSP018	79			87		J	-			-			1100		J	1600		J	-			-			160			180		
Enoch Valley Mine Bat Cave Pond	MSP019	210			160		J	-			-			180		J	120		J	-			-			230			110		
Enoch Valley Mine West Pond	MSP020	2.3			240		J	-			-			170		J	180		J	-			-			1.1			140		
Enoch Valley Mine Stock Pond	MSP021-avg	130			180		J	-			-			150		J	230		J	-			-			94			110		
	MSP021-R1	129			-			-			-			150		J	-			-			-			95			-		
	MSP021-R2	122			-			-			-			150		J	-			-			-			92			-		
	MSP021-R3	124			-			-			-			140		J	-			-			-			94			-		
Enoch Valley Mine Tipple Pond	MSP022	93			350		J	-			-			73		J	240		J	-			-			150			530		
Enoch Valley Mine Haul Road Pond	MSP023	140			230		J	-			-			63		J	160		J	-			-			160			280		
Enoch Valley Mine Shop Pond	MSP031	27			76		J	-			-			23		J	70		J	-			-			40			140		
Henry Mine South Pit Pond	MSP055	610			-			-			-			530		J	-			-			-			540			-		
Ballard Mine Pit #4 Stock Pond	MSP059	700			-			-			-			260		J	-			-			-			1100			-		
Blackfoot River, below Ballard Creek	MST019-avg	19			22		J	23			-			9.6		J	7.5		J	29			-			15			14		
	MST019-T1	-			-			-			-			-			-			-			-			-			-		
	MST019-T2	-			-			-			-			-			-			-			-			-			-		
	MST019-T3	-			-			-			-			-			-			-			-			-			-		
Blackfoot River, below State Land Creek	MST020-avg	17			17		J	48			-			12		J	12		J	30			-			20			16		
	MST020-T1	-			-			-			-			-			-			-			-			-			-		
	MST020-T2	-			-			-			-			-			-			-			-			-			-		
	MST020-T3	-			-			-			-			-			-			-			-			-			-		

Table 19: Uncensored Sediment Analytical Historical Data (mg/kg, dw) continued

		Chromium						Nickel												Vanadium											
Station		2002						1998			2000			2002						1998			2000			2002					
Name	ID	May	RL	Flag	Sept.	RL	Flag	Sept.	RL	Flag	May	RL	Flag	May	RL	Flag	Sept.	RL	Flag	Sept.	RL	Flag	May	RL	Flag	May	RL	Flag	Sept.	RL	Flag
Blackfoot River, below Trail Creek	MST021-avg	23			14		J	-			-			26		J	9.4		J	-			-			14			17		
Blackfoot River, below Wooley Valley Creek	MST022-avg	13			15		J	18			-			11		J	11		J	27			-			12			14		
	MST022	-			-			-			-			-			-			-			-			-			-		
	MST022-R1	-			-			15			-			-			10		J	24			-			-			14		
	MST022-R2	-			-			22			-			-			10		J	26			-			-			13		
	MST022-R3	-			-			17			-			-			12		J	30			-			-			15		
	MST022-T1	-			-			-			-			-			-			-			-			-			-		
	MST022-T2	-			-			-			-			-			-			-			-			-			-		
	MST022-T3	-			-			-			-			-			-			-			-			-			-		
Blackfoot River, below Dry Valley Creek, (1997 #20)	MST023-avg	13			11		J	34			-			11		J	11		J	26			-			12			12		
	MST023-R1	-			-			36			-			-			12		J	25			-			-			13		
	MST023-R2	-			-			45			-			-			9.0		J	28			-			-			9.7		
	MST023-R3	-			-			22			-			-			12			24			-			-			12		
	MST023-T1	-			-			-			-			-			-			-			-			-			-		
	MST023-T2	-			-			-			-			-			-			-			-			-			-		
	MST023-T3	-			-			-			-			-			-			-			-			-			-		
Blackfoot River, above Dry Valley Creek, (1997 #19)	MST024-avg	12			-			38			-			9.2		J	-			30			-			-			-		
	MST024	-			-			-			-			-			-			-			-			-			-		
	MST024-D	-			-			-			-			-			-			-			-			-			-		
Blackfoot River, below Wooley Range	MST025	10			-			-			-			7.8		J	-			-			-			9.9			-		
Blackfoot River, above Wooley Range Ridge Creek	MST026-avg	9.3			-			51			-			6.9		J	-			39			-			9.3			-		
	MST026-R1	9.0			-			-			-			6.4		J	-			-			-			8.5			-		
	MST026-R2	10			-			-			-			6.9		J	-			-			-			9.3			-		
	MST026-R3	9.0			-			-			-			7.4		J	-			-			-			10					
Blackfoot River, below Angus Creek	MST027-avg	12			12		J	-			-			8.0		J	10		J	-			-			12			12		
	MST027	-			-			-			-			-			-			-			-			-			-		
	MST027-D	-			-			-			-			-			-			-			-			-			-		
	MST027-T1	-			12		J	-			-			-			9.8		J	-			-			-			11		
	MST027-T2	-			10		J	-			-			-			7.2		J	-			-			-			9.8		
	MST027-T3	-			15		J	-			-			-			14		J	-			-			-			15		
Blackfoot River, above Diamond Creek Rd.	MST028-avg	12			9.7		J	-			-			9.0		J	6.8		J	-			-			13			11		
	MST028-R1	-			10		J	-			-			-			6.9		J	-			-			-			11		
	MST028-R2	-			10		J	-			-			-			6.9		J	-			-			-			11		
	MST028-R3	-			9.0		J	-			-			-			6.7		J	-			-			-			10		

Table 19: Uncensored Sediment Analytical Historical Data (mg/kg, dw) continued

		Chromium						Nickel												Vanadium											
Station		2002						1998			2000			2002						1998			2000			2002					
Name	ID	May	RL	Flag	Sept.	RL	Flag	Sept.	RL	Flag	May	RL	Flag	May	RL	Flag	Sept.	RL	Flag	Sept.	RL	Flag	May	RL	Flag	May	RL	Flag	Sept.	RL	Flag
Blackfoot River, above Spring Creek	MST029-avg	11			-			38			-			7.5		J	-			29			-			12			-		
	MST029	-			-			40			-			-			-			30			-			-			-		
	MST029-D	-			-			35			-			-			-			27			-			-			-		
	MST029-R1	12			-			-			-			7.4		J	-			-			-			14			-		
	MST029-R2	10			-			-			-			7.4		J	-			-			-			11			-		
	MST029-R3	10			-			-			-			7.8		J	-			-			-			12			-		
Little Blackfoot River, below Long Valley	MST043-avg	20			-			43			-			18		J	-			33			-			20			-		
Little Blackfoot River, immediately below Henry Mine, (1997 #24)	MST044-avg	35			-			43			-			17		J	-			77			-			31			-		
	MST044-R1	-			-			25			-			-			-			71			-			-			-		
	MST044-R2	-			-			30			-			-			-			59			-			-			-		
	MST044-R3	-			-			74			-			-			-			100			-			-			-		
	MST044-T1	-			-			-			-			-			-			-			-			-			-		
	MST044-T2	-			-			-			-			-			-			-			-			-			-		
	MST044-T3	-			-			-			-			-			-			-			-			-			-		
Little Blackfoot River, above Henry Creek, (1997 #23)	MST045-avg	19			-			-			-			12		J	-			-			-			15			-		
	MST045-T1	-			-			-			-			-			-			-			-			-			-		
	MST045-T2	-			-			-			-			-			-			-			-			-			-		
	MST045-T3	-			-			-			-			-			-			-			-			-			-		
Little Blackfoot River, below Lone Pine Creek	MST046-avg	25			-			19			-			17		J	-			40			-			29			-		
	MST046-T1	-			-			-			-			-			-			-			-			-			-		
	MST046-T2	-			-			-			-			-			-			-			-			-			-		
	MST046-T3	-			-			-			-			-			-			-			-			-			-		
Little Blackfoot River, above Lone Pine Creek	MST047-avg	24			-			22			-			20		J	-			43			-			31			-		
	MST047-T1	-			-			-			-			-			-			-			-			-			-		
	MST047-T2	-			-			-			-			-			-			-			-			-			-		
	MST047-T3	-			-			-			-			-			-			-			-			-			-		
Little Blackfoot River, below Reese Creek	MST048-avg	21			-			58			-			14		J	-			32			-			22			-		
	MST048-R1	-			-			55			-			-			-			34			-			-			-		
	MST048-R1-D	-			-			50			-			-			-			35			-			-			-		
	MST048-R2	-			-			70			-			-			-			28			-			-			-		
	MST048-R3	-			-			-			-			-			-			-			-			-			-		
	MST048-T1	-			-			-			-			-			-			-			-			-			-		
	MST048-T2	-			-			-			-			-			-			-			-			-			-		
	MST048-T3	-			-			-			-			-			-			-			-			-			-		

Table 19: Uncensored Sediment Analytical Historical Data (mg/kg, dw) continued

		Chromium						Nickel												Vanadium											
Station		2002						1998			2000			2002						1998			2000			2002					
Name	ID	May	RL	Flag	Sept.	RL	Flag	Sept.	RL	Flag	May	RL	Flag	May	RL	Flag	Sept.	RL	Flag	Sept.	RL	Flag	May	RL	Flag	May	RL	Flag	Sept.	RL	Flag
Little Blackfoot River, above Reese Creek	MST049-avg	26			19		J	50			-			18		J	12		J	47			-			29			21		
	MST049-R1	28			-			73			-			18		J	-			44			-			32			-		
	MST049-R2	26			-			53			-			19		J	-			53			-			29			-		
	MST049-R3	25			-			24			-			18		J	-			43			-			27			-		
Long Valley Creek, below Ballard Mine, (ponded area)	MST050-avg	18			-			-			-			15		J	-			-			-			22			-		
	MST050-T1	-			-			-			-			-			-			-			-			-			-		
	MST050-T2	-			-			-			-			-			-			-			-			-			-		
	MST050-T3	-			-			-			-			-			-			-			-			-			-		
Lone Pine Creek, above Little Blackfoot River	MST053-avg	25			-			-			-			18		J	-			-			-			25			-		
	MST053-T1	-			-			-			-			-			-			-			-			-			-		
	MST053-T2	-			-			-			-			-			-			-			-			-			-		
	MST053-T3	-			-			-			-			-			-			-			-			-			-		
Lone Pine Creek, above Spring-Fed Creek	MST054	13			-			-			-			11		J	-			-			-			12			-		
Lone Pine Creek, below Strip Mine Creek	MST055-avg	16			-			-			-			10		J	-			-			-			14			-		
	MST055-T1	-			-			-			-			-			-			-			-			-			-		
	MST055-T2	-			-			-			-			-			-			-			-			-			-		
	MST055-T3	-			-			-			-			-			-			-			-			-			-		
Lone Pine Creek, above Lone Pine Creek	MST057-avg	27			26		J	-			-			17		J	15		J	-			-			26			25		
	MST057-T1	-						-			-			-			15		J	-			-			-			31		
	MST057-T2	-						-			-			-			16		J	-			-			-			23		
	MST057-T3	-						-			-			-			14		J	-			-			-			20		
Lone Pine Creek, above West Fork Lone Pine Creek	MST058-avg	-			20		J	-			-			-			13		J	-			-			-			16		
	MST058-T1	-						-			-			-			-			-			-			-			-		
	MST058-T2	-						-			-			-			-			-			-			-			-		
	MST058-T3	-						-			-			-			-			-			-			-			-		
Strip Mine Creek, above Lone Pine Creek	MST062-avg	29			-			-			-			17		J	-			-			-			18			-		
	MST062-T1	-			-			-			-			-			-			-			-						-		
	MST062-T2	-			-			-			-			-			-			-			-						-		
	MST062-T3	-			-			-			-			-			-			-			-						-		
Strip Mine Creek, below Henry Mine	MST063	38			-			-			-			47		J	-			-			-			45			-		
West Fork Lone Pine Creek, above tributary	MST064	66			42		J	-			-			11		J	22		J	-			-			73			40		

Table 19: Uncensored Sediment Analytical Historical Data (mg/kg, dw) continued

		Chromium						Nickel												Vanadium											
Station		2002						1998			2000			2002						1998			2000			2002					
Name	ID	May	RL	Flag	Sept.	RL	Flag	Sept.	RL	Flag	May	RL	Flag	May	RL	Flag	Sept.	RL	Flag	Sept.	RL	Flag	May	RL	Flag	May	RL	Flag	Sept.	RL	Flag
Ballard Creek, above Blackfoot River	MST066-avg	25			-			-			-			18		J	-			-			-			45			-		
	MST066-T1	-			-			-			-			-			-			-			-			-			-		
	MST066-T2	-			-			-			-			-			-			-			-			-			-		
	MST066-T3	-			-			-			-			-			-			-			-			-			-		
Ballard Creek headwaters	MST067	76			-			-			-			67		J	-			-			-			120			-		
Short Creek, below Ballard Mine	MST069-avg	25			24		J	-			-			120		J	99		J	-			-			21			20		
	MST069-R1	23			-			-			-			100		J	-			-			-			20			-		
	MST069-R2	25			-			-			-			130		J	-			-			-			21			-		
	MST069-R3	26			-			-			-			130		J	-			-			-			21			-		
Wooley Valley Creek, below North Fork Wooley Valley Creek	MST089	76			-			-			-			23		J	-			-			-			110			-		
Wooley Valley Creek, above North Fork Wooley Valley Creek	MST090	16			-			-			-			9.1		J	-			-			-			18			-		
North Fork Wooley Valley Creek, above Wooley Valley Creek	MST092-avg	51			-			-			-			35		J	-			-			-			53			-		
	MST092-T1	-			-			-			-			-			-			-			-			-			-		
	MST092-T2	-			-			-			-			-			-			-			-			-			-		
	MST092-T3	-			-			-			-			-			-			-			-			-			-		
North Fork Wooley Valley Creek, above Ballard Mine	MST093-avg	21			-			-			-			19		J	-			-			-			32			-		
	MST093-T1	-			-			-			-			-			-			-			-			-			-		
	MST093-T2	-			-			-			-			-			-			-			-			-			-		
	MST093-T3	-			-			-			-			-			-			-			-			-			-		
Spring-fed tributary #1 of North Fork Wooley Valley Creek, below Ballard Mine	MST094	37			-			-			-			24		J	-			-			-			33			-		
Spring-fed tributary #2of North Fork Wooley Valley Creek, below Ballard Mine	MST095	65			-			-			-			61		J	-			-			-			61			-		
Tributary of North Fork Wooley , below Ballard Mine	MST096	27			-			-			-			14		J	-			-			-			20			-		
Caldwell Creek, below Phosphoria Formation outcrop	MST101-avg	18			24		J	51			-			21		J	25		J	40			-			21			21		
	MST101-R1	-			-			46			-			-			-			42			-			-			-		
	MST101-R1-D	-			-			51			-			-			-			43			-			-			-		
	MST101-R2	-			-			43			-			-			-			40			-			-			-		
	MST101-R3	-			-			60			-			-			-			38			-			-			-		
Angus Creek, above Blackfoot River	MST126-avg	45			28		J	-			-			28		J	26		J	-			-			54			33		
	MST126-R1	-			29		J	-			-			-			27		J	-			-			-			35		
	MST126-R2	-			27		J	-			-			-			25		J	-			-			-			32		
	MST126-R3	-			28		J	-			-			-			26		J	-			-			-			33		
Angus Creek, below No Name Creek	MST127-avg	35			33		J	-			-			31		J	27		J	-			-			36			36		
	MST127	-			-			-			-			-			-			-			-			-			-		
	MST127-T1	-'			-			-			-			-			28		J	-			-			-			34		
	MST127-T2	-			-			-			-			-			26		J	-			-			-			31		
	MST127-T3	-			-			-			-			-			28		J	-			-			-			43		

Table 19: Uncensored Sediment Analytical Historical Data (mg/kg, dw) continued

		Chromium						Nickel												Vanadium											
Station		2002						1998			2000			2002						1998			2000			2002					
Name	ID	May	RL	Flag	Sept.	RL	Flag	Sept.	RL	Flag	May	RL	Flag	May	RL	Flag	Sept.	RL	Flag	Sept.	RL	Flag	May	RL	Flag	May	RL	Flag	Sept.	RL	Flag
Angus Creek, above Rasmussen Creek	MST128-avg	26			28		J	-			-			26		J	27		J	-			-			32			35		
	MST128-T1	-			-			-			-			-			28		J	-			-			-			33		
	MST128-T2	-			-			-			-			-			26		J	-			-			-			41		
	MST128-T3	-			-			-			-			-			27		J	-			-			-			31		
Angus Creek, R-B&M-10, below Wooley Valley Mine	MST129-avg	23			-			36			-			34		J	-			69			-			29			-		
	MST129-T1	-			-			-			-			-			-			-			-			-			-		
	MST129-T2	-			-			-			-			-			-			-			-			-			-		
	MST129-T3	-			-			-			-			-			-			-			-			-			-		
Angus Creek,R-B&M-10, below Upper Angus Creek Reservoir	MST130-avg	78			-			-			-			72		J	-			-			-			83			-		
	MST130-R1	76			-			-			-			73		J	-			-			-			79			-		
	MST130-R2	77			-			-			-			70		J	-			-			-			83			-		
	MST130-R3	80			-			-			-			72		J	-			-			-			86			-		
Rassmussen Creek, above Angus Creek	MST131-avg	32			28		J	38			-			39		J	29		J	61			-			37			32		
	MST131	-			-			39			-			-			-			62			-			-			-		
	MST131-D	-			-			37			-			-			-			59			-			-			-		
	MST131-T1	-			-			-			-			-			27		J	-			-			-			32		
	MST131-T2	-			-			-			-			-			29		J	-			-			-			32		
	MST131-T3	-			-			-			-			-			32		J	-			-			-			33		
Angus Creek, below Rasmussen Creek	MST132-avg	31			29		J	36			-			29		J	31		J	52			-			38			36		
	MST132-T1	-			-			-			-			-			30		J	-			-			-			40		
	MST132-T2	-			-			-			-			-			31		J	-			-			-			34		
	MST132-T3	-			-			-			-			-			31		J	-			-			-			35		
Rasmussen Creek, below Enoch Valley Mine	MST133-avg	30			-			-						32		J	-			-			-			39			-		
	MST133-T1	-			-			-			-			-			-			-			-			-			-		
	MST133-T2	-			-			-			-			-			-			-			-			-			-		
	MST133-T3	-			-			-			-			-			-			-			-			-			-		
Rasmussen Creek, below West Pond Creek	MST134	24			-			-			-			28		J	-			-			-			33			-		
Rasmussen Creek, above West Pond Creek	MST135	27			-			-			-			23		J	-			-			-			41			-		
Rasmussen Creek headwaters, near Enoch Valley Mine Shop Pond	MST136	38			-			-			-			33		J	-			-			-			53			-		
East Fork Rasmussen Creek, above Rasmussen Creek	MST143-avg	35			-			-			-			22		J	-			-			-			42			-		
	MST143-T1	-			-			-			-			-			-			-			-			-			-		
	MST143-T2	-			-			-			-			-			-			-			-			-			-		
	MST143-T3	-			-			-			-			-			-			-			-			-			-		
East Fork Lone Pine Creek, below Wooley Valley Mine	MST226	26			-			-			-			35		J	-			-			-			47			-		

Table 19: Uncensored Sediment Analytical Historical Data (mg/kg, dw) continued

		Chromium						Nickel												Vanadium											
Station		2002						1998			2000			2002						1998			2000			2002					
Name	ID	May	RL	Flag	Sept.	RL	Flag	Sept.	RL	Flag	May	RL	Flag	May	RL	Flag	Sept.	RL	Flag	Sept.	RL	Flag	May	RL	Flag	May	RL	Flag	Sept.	RL	Flag
Blackfoot River, below Spring Creek	MST229-avg	12			-			-			-			10		J	-			-			-			-			-		
	MST229-R1	-			-			-			-			-			-			-			-			-			-		
	MST229-R2	-			-			-			-			-			-			-			-			-			-		
	MST229-R3	-			-			-			-			-			-			-			-			-			-		
Blackfoot River, above State Land Creek	MST230-avg	13			-			-			-			9.4		J	-			-			-			13			-		
Blackfoot River, below Woodall Mountain	MST231-avg	13			6.0		J	-			-			10		J	7.2		J	-			-			13			5.6		
Blackfoot River, above Blackfoot Reservoir	MST232-avg	34			21		J	-			-			16		J	11		J	-			-			23			20		
	MST232-R1	-			22		J	-			-			-			12		J	-			-			-			20		
	MST232-R2	-			23		J	-			-			-			11		J	-			-			-			20		
	MST232-R3	-			18		J	-			-			-			9.7		J	-			-			-			19		
Little Blackfoot River, above Blackfoot Reservoir	MST234-avg	20			18		J	-			-			17		J	17		J	-			-			12			11		
	MST234-R1	-			-			-			-			-			19		J	-			-			-			9.4		
	MST234-R2	-			-			-			-			-			13		J	-			-			-			10		
	MST234-R3	-			-			-			-			-			20		J	-			-			-			13		
	MST234-T1	-			-			-			-			-			-			-			-			-			-		
	MST234-T2	-			-			-			-			-			-			-			-			-			-		
	MST234-T3	-			-			-			-			-			-			-			-			-			-		
Meadow Creek, above Blackfoot Reservoir	MST235-avg	18			18		J	-			-			9.6		J	12		J	-			-			18			17		
	MST235	-			-			-			-			-			-			-			-			-			-		
	MST235-D	-			-			-			-			-			-			-			-			-			-		
Stewart Creek, above Diamond Creek	MST236-avg	-			32		J	-			-			-			27		J	-			-			-			-		
	MST236-R1	-			-			-			-			-			-			-			-			-			-		
	MST236-R2	-			-			-			-			-			-			-			-			-			-		
	MST236-R3	-			-			-			-			-			-			-			-			-			-		
Timber Creek, above Diamond Creek	MST237-avg	19			20		J	-			-			20		J	22		J	-			-			22			23		
	MST237-R1	20			19		J	-			-			19		J	22		J	-			-			23			21		
	MST237-R2	20			20		J	-			-			21		J	23		J	-			-			22			23		
	MST237-R3	18			21		J	-			-			19		J	21		J	-			-			20			25		
Little Blackfoot River, upstream of Henry	MST254	22			-			-			-			15		J	-			-			-			22			-		

Table 19: Uncensored Sediment Analytical Historical Data (mg/kg, dw) continued

		Chromium						Nickel												Vanadium											
Station		2002						1998			2000			2002						1998			2000			2002					
Name	ID	May	RL	Flag	Sept.	RL	Flag	Sept.	RL	Flag	May	RL	Flag	May	RL	Flag	Sept.	RL	Flag	Sept.	RL	Flag	May	RL	Flag	May	RL	Flag	Sept.	RL	Flag
East Fork Rasmussen Creek headwaters	MST269	-			130		J	-			-			-			110		J	-			-			-			110		
Wooley Valley Creek, above Loadout Creek at road	MST272	-			-			-			-			29		J	-			-			-			57			-		
Wooley Valley Creek, above ponding and below MST089	MST273-avg	25			-			-			-			20		J	-			-			-			29			-		
	MST273-T1	-			-			-			-			-			-			-			-			-			-		
	MST273-T2	-			-			-			-			-			-			-			-			-			-		
	MST273-T3	-			-			-			-			-			-			-			-			-			-		
West Fork Rasmussen Creek, above Rasmussen Creek	MST274	55			39		J	-			-			83		J	77		J	-			-			75			50		
North Fork Lone Pine Creek, Northeast and above East Fork Lone Pine Creek	MST275	-			23		J	-			-			-			20		J	-			-			-			30		
Tributary to West Fork Lone Pine Creek, above West Fork Lone Pine Creek	MST276-avg	31			42		J	-			-			21		J	14		J	-			-			46			40		
	MST276-T1	-			-			-			-			-			-			-			-			-			-		
	MST276-T2	-			-			-			-			-			-			-			-			-			-		
	MST276-T3	-			-			-			-			-			-			-			-			-			-		

Table 19: Uncensored Sediment Analytical Historical Data (mg/kg, dw) continued

		Zinc												Calcium									Cobalt		
Station		1998			2000			2002						1998			1999			2000			2002		
Name	ID	Sept.	RL	Flag	May	RL	Flag	May	RL	Flag	Sept.	RL	Flag	Sept.	RL	Flag	Sept.	RL	Flag	May	RL	Flag	May	RL	Flag
Henry Mine South Pit Overburden Dump Limestone Drain (formerly FD002) (1997 #29)	MDS022-avg	-			-			160			140			-			-			-			13		
	MDS022-R1	-			-			160			-			-			-			-			13		
	MDS022-R2	-			-			160			-			-			-			-			12		
	MDS022-R3	-			-			160			-			-			-			-			13		
Enoch Valley Mine West Dump Seep	MDS025	-			-			940			-			-			-			-			6.0		
Enoch Valley Mine South Dump Seep	MDS026	-			-			400			330			-			-			-			5.0		
Upper Blackfoot Reservoir	MRV001-avg	-			-			-			-			-			88000			-			-		
	MRV001	-			-			-			-			-			91000			-			-		
	MRV001-D	-			-			-			-			-			85000			-			-		
Upper Blackfoot Reservoir	MRV002-avg	-			-			-			-			-			310000			-			-		
	MRV002-R1	-			-			-			-			-			310000			-			-		
	MRV002-R2	-			-			-			-			-			310000			-			-		
	MRV002-R3	-			-			-			-			-			310000			-			-		
Upper Blackfoot Reservoir	MRV003	-			-			-			-			-			360000			-			-		
Upper Blackfoot Reservoir	MRV004	-			-			-			-			-			66000			-			-		
Upper Blackfoot Reservoir	MRV005-avg	-			-			-			-			-			-			-			-		
	MRV005	-			-			-			-			-			55000			-			-		
	MRV005-D	-			-			-			-			-			-			-			-		
Lower Blackfoot Reservoir	MRV006	-			-			-			-			-			84000			-			-		
Lower Blackfoot Reservoir	MRV007-avg	-			-			-			-			-			34000			-			-		
	MRV007-R1	-			-			-			-			-			34000			-			-		
	MRV007-R2	-			-			-			-			-			34000			-			-		
	MRV007-R3	-			-			-			-			-			34000			-			-		
Lower Blackfoot Reservoir	MRV008	-			-			-			-			-			45000			-			-		
Lower Blackfoot Reservoir	MRV009	-			-			-			-			-			270000			-			-		
Lower Blackfoot Reservoir	MRV010	-			-			-			-			-			59000			-			-		
Reservoir Delta at Blackfoot River	MRV011-avg	-			68			81			39	67	U	-			51000			61000			5.0		
	MRV011-P1	-			-			-			-			-			49000			-			-		
	MRV011-P2	-			-			-			-			-			51000			-			-		
	MRV011-P3	-			-			-			-			-			53000			-			-		
	MRV011-P1-1-R1	-			80			-			-			-			-			78000			-		
	MRV011-P1-1-R2	-			74			-			-			-			-			77000			-		
	MRV011-P1-1-R3	-			73			-			-			-			-			78000			-		
	MRV011-P1-2	-			70			-			-			-			-			74000			-		
	MRV011-P1-3	-			74			-			-			-			-			66000			-		
	MRV011-P1-4	-			69			-			-			-			-			51000			-		
	MRV011-P1-5	-			38			-			-			-			-			41000			-		
	MRV011-P1-6	-			52			-			-			-			-			46000			-		
	MRV011-P1-7	-			60			-			-			-			-			50000			-		
	MRV011-P2-1	-			74			-			-			-			-			77000			-		
	MRV011-P2-2	-			53			-			-			-			-			66000			-		
	MRV011-P2-2-D	-			55			-			-			-			-			69000			-		
	MRV011-P2-3	-			71			-			-			-			-			65000			-		
	MRV011-P2-3-D	-			-			-			-			-			-			-			-		
	MRV011-P2-4	-			80			-			-			-			-			48000			-		
	MRV011-P2-5	-			48			-			-			-			-			44000			-		
	MRV011-P3-1	-			99			-			-			-			-			74000			-		
	MRV011-P3-2	-			79			-			-			-			-			76000			-		
	MRV011-P3-3	-			70			-			-			-			-			67000			-		
	MRV011-P3-4-R1	-			89			-			-			-			-			56000			-		
	MRV011-P3-4-R2	-			76			-			-			-			-			57000			-		
	MRV011-P3-4-R3	-			79			-			-			-			-			59000			-		
	MRV011-P3-5	-			46			-			-			-			-			43000			-		
Reservoir Delta at Little Blackfoot River	MRV016	-			-			100			-			-			-			-			0	5.0	U
Reservoir Delta at Meadow Creek	MRV017-avg	-			-			21			41	67	U	-			-			-			5.0		
	MRV017-R1	-			-			-			42	67	U	-			-			-			-		
	MRV017-R2	-			-			-			40	67	U	-			-			-			-		
	MRV017-R3	-			-			-			41	67	U	-			-			-			-		
Enoch Valley Mine, Hedin Spring	MSG001	-			-			-			55	67	U	-			-			-			-		
Ballard Mine, Garden Hose Spring	MSG003	-			-			360			300			-			-			-			7.0		
Ballard Mine, Holmgren Spring	MSG004	-			-			-			370			-			-			-			-		
Ballard Mine, Cattle Spring	MSG005	-			-			-			94			-			-			-			-		

Table 19: Uncensored Sediment Analytical Historical Data (mg/kg, dw) continued

		Zinc												Calcium									Cobalt		
Station		**1998**			**2000**			**2002**						**1998**			**1999**			**2000**			**2002**		
Name	**ID**	**Sept.**	**RL**	**Flag**	**May**	**RL**	**Flag**	**May**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**May**	**RL**	**Flag**	**May**	**RL**	**Flag**
Ballard Mine Dredge Pond	MSP010-avg	-			-			820			860			-			-			-			6.3		
	MSP010-R1	-			-			820			-			-			-			-			8.0		
	MSP010-R2	-			-			800			-			-			-			-			5.0		
	MSP010-R3	-			-			830			-			-			-			-			6.0		
Ballard Mine Upper Elk Pond	MSP011-avg	1600			-			520			-			-			-			-			-		
Ballard Mine Lower Elk Pond	MSP012	-			-			1500			-			-			-			-			4.0		
Henry Mine Henry Pond	MSP014	-			-			490			230			-			-			-			4.0		
Henry Mine Smith Pond	MSP015	-			-			210			300			-			-			-			18		
Henry Mine Center Henry Pond	MSP016-avg	-			-			1200			460			-			-			-			4.0		
	MSP016-R1	-			-			-			440			-			-			-			-		
	MSP016-R2	-			-			-			470			-			-			-			-		
	MSP016-R3	-			-			-			460			-			-			-			-		
Enoch Valley Mine South Pond	MSP017	-			-			610			270			-			-			-			13		
Enoch Valley Mine Keyhole Pond	MSP018	-			-			10000			11000			-			-			-			50		
Enoch Valley Mine Bat Cave Pond	MSP019	-			-			1100			700			-			-			-			5.0		
Enoch Valley Mine West Pond	MSP020	-			-			910			1500			-			-			-			8.0		
Enoch Valley Mine Stock Pond	MSP021-avg	-			-			940			1300			-			-			-			4.0		
	MSP021-R1	-			-			960			-			-			-			-			4.0		
	MSP021-R2	-			-			960			-			-			-			-			4.0		
	MSP021-R3	-			-			900			-			-			-			-			4.0		
Enoch Valley Mine Tipple Pond	MSP022	-			-			480			1500			-			-			-			7.0		
Enoch Valley Mine Haul Road Pond	MSP023	-			-			300			900			-			-			-			5.0		
Enoch Valley Mine Shop Pond	MSP031	-			-			110			420			-			-			-			11		
Henry Mine South Pit Pond	MSP055	-			-			2800			-			-			-			-			7.0		
Ballard Mine Pit #4 Stock Pond	MSP059	-			-			1700			-			-			-			-			0.0080	5.0	U
Blackfoot River, below Ballard Creek	MST019-avg	30			-			38			27	67	U	-			-			-			-		
	MST019-T1	-			-			-			-			-			-			-			-		
	MST019-T2	-			-			-			-			-			-			-			-		
	MST019-T3	-			-			-			-			-			-			-			-		
Blackfoot River, below State Land Creek	MST020-avg	38			-			45			43	67	U	-			-			-			-		
	MST020-T1	-			-			-			-			-			-			-			-		
	MST020-T2	-			-			-			-			-			-			-			-		
	MST020-T3	-			-			-			-			-			-			-			-		

Table 19: Uncensored Sediment Analytical Historical Data (mg/kg, dw) continued

		Zinc												Calcium									Cobalt		
Station		1998			2000			2002						1998			1999			2000			2002		
Name	ID	Sept.	RL	Flag	May	RL	Flag	May	RL	Flag	Sept.	RL	Flag	Sept.	RL	Flag	Sept.	RL	Flag	May	RL	Flag	May	RL	Flag
Blackfoot River, below Trail Creek	MST021-avg	-			-			95			31	67	U	-			30000			-			4.0		
Blackfoot River, below Wooley Valley Creek	MST022-avg	38			-			49			40	67	U	59000			-			-			3.0		
	MST022	-			-			-			-			-			-			-			-		
	MST022-R1	33			-			-			40	67	U	55000			-			-			-		
	MST022-R2	37			-			-			40	67	U	55000			-			-			-		
	MST022-R3	44			-			-			40	67	U	67000			-			-			-		
	MST022-T1	-			-			-			-			-			-			-			-		
	MST022-T2	-			-			-			-			-			-			-			-		
	MST022-T3	-			-			-			-			-			-			-			-		
Blackfoot River, below Dry Valley Creek, (1997 #20)	MST023-avg	29			-			42			46	67	U	54000			100000			-			3.0		
	MST023-R1	28			-			-			49	67	U	23000			-			-			-		
	MST023-R2	33			-			-			40	67	U	71000			-			-			-		
	MST023-R3	26			-			-			50	67	U	69000			-			-			-		
	MST023-T1	-			-			-			-			-			-			-			-		
	MST023-T2	-			-			-			-			-			-			-			-		
	MST023-T3	-			-			-			-			-			-			-			-		
Blackfoot River, above Dry Valley Creek, (1997 #19)	MST024-avg	25			-			31			-			66000			58000			-			3.0		
	MST024	-			-			-			-			-			-			-			-		
	MST024-D	-			-			-			-			-			-			-			-		
Blackfoot River, below Wooley Range Ridge	MST025	-			-			29			-			-			-			-			2.0		
Blackfoot River, above Wooley Range Ridge Creek	MST026-avg	30			-			24			-			120000			67000			-			3.0		
	MST026-R1	-			-			22			-			-			65000			-			3.0		
	MST026-R2	-			-			24			-			-			69000			-			3.0		
	MST026-R3	-			-			25			-			-			67000			-			3.0		
Blackfoot River, below Angus Creek	MST027-avg	-			-			32			38	67	U	-			19000			-			3.0		
	MST027	-						-			-			-			-						-		
	MST027-D	-			-			-			-			-			-			-			-		
	MST027-T1	-			-			-			36	67	U	-			-			-			-		
	MST027-T2	-			-			-			25	67	U	-			-			-			-		
	MST027-T3	-			-			-			52	67	U	-			-			-			-		
Blackfoot River, above Diamond Creek Rd.	MST028-avg	-			-			37			26	67	U	-			-			-			-		
	MST028-R1	-			-			-			25	67	U	-			-			-			-		
	MST028-R2	-			-			-			26	67	U	-			-			-			-		
	MST028-R3	-			-			-			26	67	U	-			-			-			-		

Table 19: Uncensored Sediment Analytical Historical Data (mg/kg, dw) continued

		Zinc												Calcium									Cobalt		
Station		1998			2000			2002						1998			1999			2000			2002		
Name	ID	Sept.	RL	Flag	May	RL	Flag	May	RL	Flag	Sept.	RL	Flag	Sept.	RL	Flag	Sept.	RL	Flag	May	RL	Flag	May	RL	Flag
Blackfoot River, above Spring Creek	MST029-avg	32			-			30			-			33000			30000			-			3.3		
	MST029	32			-			-			-			34000			-			-			-		
	MST029-D	32			-			-			-			32000			-			-			-		
	MST029-R1	-			-			30			-			-			-			-			3.0		
	MST029-R2	-			-			30			-			-			-			-			3.0		
	MST029-R3	-			-			29			-			-			-			-			4.0		
Little Blackfoot River, below Long Valley Creek	MST043-avg	83			-			110			-			700000			100000			-			6.0		
Little Blackfoot River, immediately below Henry Mine, (1997 #24)	MST044-avg	100			-			72			-			120000			-			-			5.0		
	MST044-R1	90			-			-			-			130000			-			-			-		
	MST044-R2	100			-			-			-			130000			-			-			-		
	MST044-R3	120			-			-			-			88000			-			-			-		
	MST044-T1	-			-			-			-			-			-			-			-		
	MST044-T2	-			-			-			-			-			-			-			-		
	MST044-T3	-			-			-			-			-			-			-			-		
Little Blackfoot River, above Henry Creek, (1997 #23)	MST045-avg	-			-			57			-			-			-			-			-		
	MST045-T1	-			-			-			-			-			-			-			-		
	MST045-T2	-			-			-			-			-			-			-			-		
	MST045-T3	-			-			-			-			-			-			-			-		
Little Blackfoot River, below Lone Pine Creek	MST046-avg	62			-			71			-			-			-			-			-		
	MST046-T1	-			-			-			-			-			-			-			-		
	MST046-T2	-			-			-			-			-			-			-			-		
	MST046-T3	-			-			-			-			-			-			-			-		
Little Blackfoot River, above Lone Pine Creek	MST047-avg	-			-			-			-			-			-			-			-		
	MST047-T1	-			-			-			-			-			-			-			-		
	MST047-T2	-			-			-			-			-			-			-			-		
	MST047-T3	-			-			-			-			-			-			-			-		
Little Blackfoot River, below Reese Creek	MST048-avg	70			-			75			-			64000			-			-			8.0		
	MST048-R1	71			-			-			-			47000			-			-			-		
	MST048-R1-D	-			-			-			-			66000			-			-			-		
	MST048-R2	74			-			-			-			80000			-			-			-		
	MST048-R3	66			-			-			-			-			-			-			-		
	MST048-T1	-			-			-			-			-			-			-			-		
	MST048-T2	-			-			-			-			-			-			-			-		
	MST048-T3	-			-			-			-			-			-			-			-		

Table 19: Uncensored Sediment Analytical Historical Data (mg/kg, dw) continued

		Zinc												Calcium									Cobalt		
Station		**1998**			**2000**			**2002**						**1998**			**1999**			**2000**			**2002**		
Name	**ID**	**Sept.**	**RL**	**Flag**	**May**	**RL**	**Flag**	**May**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**May**	**RL**	**Flag**	**May**	**RL**	**Flag**
Little Blackfoot River, above Reese Creek	MST049-avg	70			-			95			69			41000			19000			-			12		
	MST049-R1	60			-			92			-			58000			-			-			12		
	MST049-R2	80			-			99			-			40000			-			-			12		
	MST049-R3	71			-			93			-			24000			-			-			11		
Long Valley Creek, below Ballard Mine, (ponded area)	MST050-avg	-			-			-			-			-			-			-			7.0		
	MST050-T1	-			-			-			-			-			-			-			-		
	MST050-T2	-			-			-			-			-			-			-			-		
	MST050-T3	-			-			-			-			-			-			-			-		
Lone Pine Creek, above Little Blackfoot River	MST053-avg	-			-			-			-			-			-			-			-		
	MST053-T1	-			-			-			-			-			-			-			-		
	MST053-T2	-			-			-			-			-			-			-			-		
	MST053-T3	-			-			-			-			-			-			-			-		
Lone Pine Creek, above Spring-Fed Creek	MST054	-			-			54			-			-			20000			-			4.0		
Lone Pine Creek, below Strip Mine Creek	MST055-avg	-			-			-			-			-			-			-			-		
	MST055-T1	-			-			-			-			-			-			-			-		
	MST055-T2	-			-			-			-			-			-			-			-		
	MST055-T3	-			-			-			-			-			-			-			-		
Lone Pine Creek, above Lone Pine Creek	MST057-avg	-			-			100			110			-			-			-			-		
	MST057-T1	-			-			-			100			-			-			-			-		
	MST057-T2	-			-			-			120			-			-			-			-		
	MST057-T3	-			-			-			100			-			-			-			-		
Lone Pine Creek, above West Fork Lone Pine Creek	MST058-avg	-			-			-			-			-			-			-			-		
	MST058-T1	-			-			-			-			-			-			-			-		
	MST058-T2	-			-			-			-			-			-			-			-		
	MST058-T3	-			-			-			-			-			-			-			-		
Strip Mine Creek, above Lone Pine Creek	MST062-avg	-			-			-			-			-			-			-			-		
	MST062-T1	-			-			-			-			-			-			-			-		
	MST062-T2	-			-			-			-			-			-			-			-		
	MST062-T3	-			-			-			-			-			-			-			-		
Strip Mine Creek, below Henry Mine	MST063	-			-			230			-			-			-			-			12		
West Fork Lone Pine Creek, above tributary	MST064	-			-			61			190			-			-			-			4.0		

Table 19: Uncensored Sediment Analytical Historical Data (mg/kg, dw) continued

		Zinc												Calcium									Cobalt		
Station		1998			2000			2002						1998			1999			2000			2002		
Name	ID	Sept.	RL	Flag	May	RL	Flag	May	RL	Flag	Sept.	RL	Flag	Sept.	RL	Flag	Sept.	RL	Flag	May	RL	Flag	May	RL	Flag
Ballard Creek, above Blackfoot River	MST066-avg	-			-			-			-			-			-			-			-		
	MST066-T1	-			-			-			-			-			-			-			-		
	MST066-T2	-			-			-			-			-			-			-			-		
	MST066-T3	-			-			-			-			-			-			-			-		
Ballard Creek headwaters	MST067	-			-			450			-			-			-			-			7.0		
Short Creek, below Ballard Mine	MST069-avg	-			-			400			360			-			-			-			5.0		
	MST069-R1	-			-			350			-			-			-			-			4.0		
	MST069-R2	-			-			420			-			-			-			-			6.0		
	MST069-R3	-			-			420			-			-			-			-			5.0		
Wooley Valley Creek, below North Fork Wooley Valley Creek	MST089	-			-			120			-			-			-			-			6.0		
Wooley Valley Creek, above North Fork Wooley Valley Creek	MST090	-			-			62			-			-			-			-			5.0		
North Fork Wooley Valley Creek, above Wooley Valley Creek	MST092-avg	-			-			-			-			-			-			-			-		
	MST092-T1	-			-			-			-			-			-			-			-		
	MST092-T2	-			-			-			-			-			-			-			-		
	MST092-T3	-			-			-			-			-			-			-			-		
North Fork Wooley Valley Creek, above Ballard Mine	MST093-avg	-			-			-			-			-			-			-			-		
	MST093-T1	-			-			-			-			-			-			-			-		
	MST093-T2	-			-			-			-			-			-			-			-		
	MST093-T3	-			-			-			-			-			-			-			-		
Spring-fed tributary #1 of North Fork Wooley Valley Creek, below Ballard Mine	MST094	-			-			160			-			-			-			-			8.0		
Spring-fed tributary #2of North Fork Wooley Valley Creek, below Ballard Mine	MST095	-			-			310			-			-			-			-			7.0		
Tributary of North Fork Wooley , below Ballard Mine	MST096	-			-			70			-			-			-			-			7.0		
Caldwell Creek, below Phosphoria Formation outcrop	MST101-avg	120			-			90			100			43000			46000			-			8.0		
	MST101-R1	110			-			-			-			55000			50000			-			-		
	MST101-R1-D	110			-			-			-			53000			-			-			-		
	MST101-R2	120			-			-			-			37000			46000			-			-		
	MST101-R3	120			-			-			-			39000			41000			-			-		
Angus Creek, above Blackfoot River	MST126-avg	-			-			130			120			-			-			-			10		
	MST126-R1	-			-			-			120			-			-			-			-		
	MST126-R2	-			-			-			120			-			-			-			-		
	MST126-R3	-			-			-			120			-			-			-			-		
Angus Creek, below No Name Creek	MST127-avg	-			-			160			140			-			22000			-			11		
	MST127	-			-			-			-			-			-			-			-		
	MST127-T1	-			-			-			140			-			-			-			-		
	MST127-T2	-			-			-			130			-			-			-			-		
	MST127-T3	-			-			-			150			-			-			-			-		

Table 19: Uncensored Sediment Analytical Historical Data (mg/kg, dw) continued

		Zinc												Calcium									Cobalt		
Station		1998			2000			2002						1998			1999			2000			2002		
Name	ID	Sept.	RL	Flag	May	RL	Flag	May	RL	Flag	Sept.	RL	Flag	Sept.	RL	Flag	Sept.	RL	Flag	May	RL	Flag	May	RL	Flag
Angus Creek, above Rasmussen Creek	MST128-avg	-			-			93			120			-			-			-			-		
	MST128-T1	-			-			-			110			-			-			-			-		
	MST128-T2	-			-			-			120			-			-			-			-		
	MST128-T3	-			-			-			120			-			-			-			-		
Angus Creek, R-B&M-10, below Wooley Valley Mine	MST129-avg	-			-			-			-			-			-			-			-		
	MST129-T1	-			-			-			-			-			-			-			-		
	MST129-T2	-			-			-			-			-			-			-			-		
	MST129-T3	-			-			-			-			-			-			-			-		
Angus Creek, R-B&M-10, below Upper Angus Creek Reservoir	MST130-avg	-			-			350			-			-			-			-			13		
	MST130-R1	-			-			340			-			-			-			-			12		
	MST130-R2	-			-			350			-			-			-			-			14		
	MST130-R3	-			-			350			-			-			-			-			12		
Rassmussen Creek, above Angus Creek	MST131-avg	170			-			190			150			11000			-			-			10		
	MST131	170			-			-			-			12000			-			-			-		
	MST131-D	160			-			-			-			10000			-			-			-		
	MST131-T1	-			-			-			130			-			-			-			-		
	MST131-T2	-			-			-			150			-			-			-			-		
	MST131-T3	-			-			-			170			-			-			-			-		
Angus Creek, below Rasmussen Creek	MST132-avg	90			-			120			140			-			-			-			-		
	MST132-T1	-			-			-			130			-			-			-			-		
	MST132-T2	-			-			-			150			-			-			-			-		
	MST132-T3	-			-			-			150			-			-			-			-		
Rasmussen Creek, below Enoch Valley Mine	MST133-avg	-			-			-			-			-			-			-			-		
	MST133-T1	-			-			-			-			-			-			-			-		
	MST133-T2	-			-			-			-			-			-			-			-		
	MST133-T3	-			-			-			-			-			-			-			-		
Rasmussen Creek, below West Pond Creek	MST134	-			-			-			-			-			-			-			17		
Rasmussen Creek, above West Pond Creek	MST135	-			-			120			-			-			-			-			10		
Rasmussen Creek headwaters, near Enoch Valley Mine Shop Pond	MST136	-			-			160			-			-			-			-			10		
East Fork Rasmussen Creek, above Rasmussen Creek	MST143-avg	-			-			-			-			-			-			-			-		
	MST143-T1	-			-			-			-			-			-			-			-		
	MST143-T2	-			-			-			-			-			-			-			-		
	MST143-T3	-			-			-			-			-			-			-			-		
East Fork Lone Pine Creek, below Wooley Valley Mine	MST226	-			-			150			-			-			-			-			12		

Table 19: Uncensored Sediment Analytical Historical Data (mg/kg, dw) continued

		Zinc												Calcium									Cobalt		
Station		**1998**			**2000**			**2002**						**1998**			**1999**			**2000**			**2002**		
Name	**ID**	**Sept.**	**RL**	**Flag**	**May**	**RL**	**Flag**	**May**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**May**	**RL**	**Flag**	**May**	**RL**	**Flag**
Blackfoot River, below Spring Creek	MST229-avg	-			-			-			-			-			30000			-			4.0		
	MST229-R1	-			-			-			-			-			27000			-			-		
	MST229-R2	-			-			-			-			-			30000			-			-		
	MST229-R3	-			-			-			-			-			32000			-			-		
Blackfoot River, above State Land Creek	MST230-avg	-			-			39			-			-			35000			-			3.0		
Blackfoot River, below Woodall Mountain Creek	MST231-avg	-			-			48			22	67	U	-			-			-			3.0		
Blackfoot River, above Blackfoot Reservoir	MST232-avg	-			-			45			48	67	U	-			56000			-			4.0		
	MST232-R1	-			-			-			48	67	U	-			-			-			-		
	MST232-R2	-			-			-			43	67	U	-			-			-			-		
	MST232-R3	-			-			-			52	67	U	-			-			-			-		
Little Blackfoot River, above Blackfoot Reservoir	MST234-avg	-			-			120			100	80<x<110		-			-			-			3.0		
	MST234-R1	-			-			-			110			-			-			-			-		
	MST234-R2	-			-			-			61	67	U	-			-			-			-		
	MST234-R3	-			-			-			140			-			-			-			-		
	MST234-T1	-			-			-			-			-			-			-			-		
	MST234-T2	-			-			-			-			-			-			-			-		
	MST234-T3	-			-			-			-			-			-			-			-		
Meadow Creek, above Blackfoot Reservoir	MST235-avg	-			-			37			38	67	U	-			9600			-			6.0		
	MST235	-			-			-			-			-			10000			-			-		
	MST235-D	-			-			-			-			-			9200			-			-		
Stewart Creek, above Diamond Creek	MST236-avg	-			-			-			-			-			30000			-			-		
	MST236-R1	-			-			-			-			-			29000			-			-		
	MST236-R2	-			-			-			-			-			28000			-			-		
	MST236-R3	-			-			-			-			-			32000			-			-		
Timber Creek, above Diamond Creek	MST237-avg	-			-			80			78			-			21000			-			9.0		
	MST237-R1	-			-			82			75			-			20000			-			9.0		
	MST237-R2	-			-			81			79			-			22000			-			10		
	MST237-R3	-			-			76			80			-			21000			-			8.0		
Little Blackfoot River, upstream of Henry cutoff	MST254	-			-			83			-			-			-			-			7.0		

Table 19: Uncensored Sediment Analytical Historical Data (mg/kg, dw) continued

		Zinc												Calcium									Cobalt		
Station		**1998**			**2000**			**2002**						**1998**			**1999**			**2000**			**2002**		
Name	**ID**	**Sept.**	**RL**	**Flag**	**May**	**RL**	**Flag**	**May**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**May**	**RL**	**Flag**	**May**	**RL**	**Flag**
East Fork Rasmussen Creek headwaters	MST269	-			-			-			690			-			-			-			-		
Wooley Valley Creek, above Loadout Creek at road	MST272	-			-			160			-			-			-			-			11		
Wooley Valley Creek, above ponding and below MST089	MST273-avg	-			-			-			-			-			-			-			-		
	MST273-T1	-			-			-			-			-			-			-			-		
	MST273-T2	-			-			-			-			-			-			-			-		
	MST273-T3	-			-			-			-			-			-			-			-		
West Fork Rasmussen Creek, above Rasmussen Creek	MST274	-			-			480			440			-			-			-			10		
North Fork Lone Pine Creek, Northeast and above East Fork Lone Pine Creek	MST275	-			-			-			58	67	U	-			-			-			-		
Tributary to West Fork Lone Pine Creek, above West Fork Lone Pine Creek	MST276-avg	-			-			-			-			-			-			-			-		
	MST276-T1	-			-			-			-			-			-			-			-		
	MST276-T2	-			-			-			-			-			-			-			-		
	MST276-T3	-			-			-			-			-			-			-			-		

Table 19: Uncensored Sediment Analytical Historical Data (mg/kg, dw) continued

		Copper						Iron									Magnesium								
Station		2002						1998			1999			2000			1998			1999			2000		
Name	ID	May	RL	Flag	Sept.	RL	Flag	Sept.	RL	Flag	Sept.	RL	Flag	May	RL	Flag	Sept.	RL	Flag	Sept.	RL	Flag	May	RL	Flag
Henry Mine South Pit Overburden Dump Limestone Drain (formerly FD002) (1997 #29)	MDS022-avg	14			16		J	-			-			-			-			-			-		
	MDS022-R1	14			-			-			-			-			-			-			-		
	MDS022-R2	14			-			-			-			-			-			-			-		
	MDS022-R3	14			-			-			-			-			-			-			-		
Enoch Valley Mine West Dump Seep	MDS025	110			-			-			-			-			-			-			-		
Enoch Valley Mine South Dump Seep	MDS026	73			67		J	-			-			-			-			-			-		
Upper Blackfoot Reservoir	MRV001-avg	-			-			-			20000			-			-			8700			-		
	MRV001	-			-			-			20000			-			-			8500			-		
	MRV001-D	-			-			-			20000			-			-			8900			-		
Upper Blackfoot Reservoir	MRV002-avg	-			-			-			4700			-			-			5200			-		
	MRV002-R1	-			-			-			4600			-			-			5000			-		
	MRV002-R2	-			-			-			4700			-			-			5400			-		
	MRV002-R3	-			-			-			4700			-			-			5300			-		
Upper Blackfoot Reservoir	MRV003	-			-			-			2900			-			-			5400			-		
Upper Blackfoot Reservoir	MRV004	-			-			-			18000			-			-			7900			-		
Upper Blackfoot Reservoir	MRV005-avg	-			-			-			8200			-			-			4100			-		
	MRV005	-			-			-			-			-			-			-			-		
	MRV005-D	-			-			-			-			-			-			-			-		
Lower Blackfoot Reservoir	MRV006	-			-			-			15000			-			-			5300			-		
Lower Blackfoot Reservoir	MRV007-avg	-			-			-			12000			-			-			4400			-		
	MRV007-R1	-			-			-			12000			-			-			4100			-		
	MRV007-R2	-			-			-			12000			-			-			4500			-		
	MRV007-R3	-			-			-			12000			-			-			4500			-		
Lower Blackfoot Reservoir	MRV008	-			-			-			13000			-			-			6600			-		
Lower Blackfoot Reservoir	MRV009	-			-			-			5200			-			-			5700			-		
Lower Blackfoot Reservoir	MRV010	-			-			-			19000			-			-			6600			-		
Reservoir Delta at Blackfoot River	MRV011-avg	12			5.1		J	-			13000			14000			-			4800			5900		
	MRV011-P1	-			-			-			13000			-			-			4700					
	MRV011-P2	-			-			-			13000			-			-			4700			-		
	MRV011-P3	-			-			-			14000			-			-			5100			-		
	MRV011-P1-1-R1	-			-			-			-			16000			-			-			6500		
	MRV011-P1-1-R2	-			-			-			-			15000			-			-			6700		
	MRV011-P1-1-R3	-			-			-			-			16000			-			-			6600		
	MRV011-P1-2	-			-			-			-			15000			-			-			6200		
	MRV011-P1-3	-			-			-			-			16000			-			-			6600		
	MRV011-P1-4	-			-			-			-			14000			-			-			5700		
	MRV011-P1-5	-			-			-			-			9700			-			-			4100		
	MRV011-P1-6	-			-			-			-			12000			-			-			5100		
	MRV011-P1-7	-			-			-			-			16000			-			-			5700		
	MRV011-P2-1	-			-			-			-			16000			-			-			6600		
	MRV011-P2-2	-			-			-			-			12000			-			-			5100		
	MRV011-P2-2-D	-			-			-			-			12000			-			-			5300		
	MRV011-P2-3	-			-			-			-			15000			-			-			6400		
	MRV011-P2-3-D	-			-			-			-			-			-			-			-		
	MRV011-P2-4	-			-			-			-			15000			-			-			5900		
	MRV011-P2-5	-			-			-			-			12000			-			-			4900		
	MRV011-P3-1	-			-			-			-			19000			-			-			7500		
	MRV011-P3-2	-			-			-			-			16000			-			-			6800		
	MRV011-P3-3	-			-			-			-			15000			-			-			6000		
	MRV011-P3-4-R1	-			-			-			-			15000			-			-			6100		
	MRV011-P3-4-R2	-			-			-			-			14000			-			-			5600		
	MRV011-P3-4-R3	-			-			-			-			15000			-			-			6000		
	MRV011-P3-5	-			-			-			-			11000			-			-			4600		
Reservoir Delta at Little Blackfoot River	MRV016	6.0			-			-			-			-			-			-			-		
Reservoir Delta at Meadow Creek	MRV017-avg	3.1			8.0		J	-			-			-			-			-			-		
	MRV017-R1	-			8.2		J	-			-			-			-			-			-		
	MRV017-R2	-			7.7		J	-			-			-			-			-			-		
	MRV017-R3	-			8.1		J	-			-			-			-			-			-		
Enoch Valley Mine, Hedin Spring	MSG001	-			11		J	-			-			-			-			-			-		
Ballard Mine, Garden Hose Spring	MSG003	37			32		J	-			-			-			-			-			-		
Ballard Mine, Holmgren Spring	MSG004	-			33		J	-			-			-			-			-			-		
Ballard Mine, Cattle Spring	MSG005	-			20		J	-			-			-			-			-			-		

Table 19: Uncensored Sediment Analytical Historical Data (mg/kg, dw) continued

		Copper						Iron									Magnesium								
Station		2002						1998			1999			2000			1998			1999			2000		
Name	ID	May	RL	Flag	Sept.	RL	Flag	Sept.	RL	Flag	Sept.	RL	Flag	May	RL	Flag	Sept.	RL	Flag	Sept.	RL	Flag	May	RL	Flag
Ballard Mine Dredge Pond	MSP010-avg	80			80		J	-			-			-			-			-			-		
	MSP010-R1	79			-			-			-			-			-			-			-		
	MSP010-R2	80			-			-			-			-			-			-			-		
	MSP010-R3	81			-			-			-			-			-			-			-		
Ballard Mine Upper Elk Pond	MSP011-avg	-			-			-			-			-			-			-			-		
Ballard Mine Lower Elk Pond	MSP012	140			-			-			-			-			-			-			-		
Henry Mine Henry Pond	MSP014	25			27		J	-			-			-			-			-			-		
Henry Mine Smith Pond	MSP015	18			27		J	-			-			-			-			-			-		
Henry Mine Center Henry Pond	MSP016-avg	49			38		J	-			-			-			-			-			-		
	MSP016-R1	-			37		J	-			-			-			-			-			-		
	MSP016-R2	-			39		J	-			-			-			-			-			-		
	MSP016-R3	-			39		J	-			-			-			-			-			-		
Enoch Valley Mine South Pond	MSP017	62			14		J	-			-			-			-			-			-		
Enoch Valley Mine Keyhole Pond	MSP018	36			0.00028	100	UJ	-			-			-			-			-			-		
Enoch Valley Mine Bat Cave Pond	MSP019	40			58		J	-			-			-			-			-			-		
Enoch Valley Mine West Pond	MSP020	38			50		J	-			-			-			-			-			-		
Enoch Valley Mine Stock Pond	MSP021-avg	29			50		J	-			-			-			-			-			-		
	MSP021-R1	30			-			-			-			-			-			-			-		
	MSP021-R2	28			-			-			-			-			-			-			-		
	MSP021-R3	28			-			-			-			-			-			-			-		
Enoch Valley Mine Tipple Pond	MSP022	25			80		J	-			-			-			-			-			-		
Enoch Valley Mine Haul Road Pond	MSP023	32			50		J	-			-			-			-			-			-		
Enoch Valley Mine Shop Pond	MSP031	16			40		J	-			-			-			-			-			-		
Henry Mine South Pit Pond	MSP055	120			-			-			-			-			-			-			-		
Ballard Mine Pit #4 Stock Pond	MSP059	110			-			-			-			-			-			-			-		
Blackfoot River, below Ballard Creek	MST019-avg	-			-			-			-			-			-			-			-		
	MST019-T1	-			-			-			-			-			-			-			-		
	MST019-T2	-			-			-			-			-			-			-			-		
	MST019-T3	-			-			-			-			-			-			-			-		
Blackfoot River, below State Land Creek	MST020-avg	-			-			-			-			-			-			-			-		
	MST020-T1	-			-			-			-			-			-			-			-		
	MST020-T2	-			-			-			-			-			-			-			-		
	MST020-T3	-			-			-			-			-			-			-			-		

Table 19: Uncensored Sediment Analytical Historical Data (mg/kg, dw) continued

		Copper						Iron									Magnesium								
Station		**2002**						**1998**			**1999**			**2000**			**1998**			**1999**			**2000**		
Name	**ID**	**May**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**May**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**May**	**RL**	**Flag**
Blackfoot River, below Trail Creek	MST021-avg	11			5.3		J	-			13000			-			-			11000			-		
Blackfoot River, below Wooley Valley Creek	MST022-avg	7.0			2.3	2.3<x<5.7	UJ	8800			-			-			5000			-			-		
	MST022	-			-		UJ	-			-			-			-			-			-		
	MST022-R1	-			0.00050	5.0	UJ	7400			-			-			4200			-			-		
	MST022-R2	-			0.00045	5.0	UJ	8100			-			-			6200			-			-		
	MST022-R3	-			7.0		J	11000			-			-			4500			-			-		
	MST022-T1	-			-			-			-			-			-			-			-		
	MST022-T2	-			-			-			-			-			-			-			-		
	MST022-T3	-			-			-			-			-			-			-			-		
Blackfoot River, below Dry Valley Creek, (1997 #20)	MST023-avg	5.8			10		J	6400			5500			-			4100			3200			-		
	MST023-R1	-			20		J	6700			-			-			3700			-			-		
	MST023-R2	-			5.0		J	6500			-			-			4700			-			-		
	MST023-R3	-			6.0		J	6000			-			-			3900			-			-		
	MST023-T1	-			-			-			-			-			-			-			-		
	MST023-T2	-			-			-			-			-			-			-			-		
	MST023-T3	-			-			-			-			-			-			-			-		
Blackfoot River, above Dry Valley Creek, (1997 #19)	MST024-avg	4.8			-			5300			8200			-			2900			5000			-		
	MST024	-			-			-			-			-			-			-			-		
	MST024-D	-			-			-			-			-			-			-			-		
Blackfoot River, below Wooley Range Ridge	MST025	4.0			-			-			-			-			-			-			-		
Blackfoot River, above Wooley Range Ridge Creek	MST026-avg	3.3			-			6100			7000			-			3700			4000			-		
	MST026-R1	3.0			-			-			7000			-			-			3900			-		
	MST026-R2	3.4			-			-			6900			-			-			4000			-		
	MST026-R3	3.4			-			-			7200			-			-			4000			-		
Blackfoot River, below Angus Creek	MST027-avg	4.9			7.0		J	-			9100			-			-			3300			-		
	MST027	-			-			-			9000						-			-					
	MST027-D	-			-			-			9200			-			-			-			-		
	MST027-T1	-			6.7		J	-			-			-			-			-			-		
	MST027-T2	-			4.5		J	-			-			-			-			-			-		
	MST027-T3	-			9.7		J	-			-			-			-			-			-		
Blackfoot River, above Diamond Creek Rd.	MST028-avg	5.8			4.2		J	-			-			-			-			-			-		
	MST028-T1	-			4.2		J	-			-			-			-			-			-		
	MST028-T2	-			4.3		J	-			-			-			-			-			-		
	MST028-T3	-			4.1		J	-			-			-			-			-			-		

Table 19: Uncensored Sediment Analytical Historical Data (mg/kg, dw) continued

		Copper						Iron									Magnesium								
Station		2002						1998			1999			2000			1998			1999			2000		
Name	ID	May	RL	Flag	Sept.	RL	Flag	Sept.	RL	Flag	Sept.	RL	Flag	May	RL	Flag	Sept.	RL	Flag	Sept.	RL	Flag	May	RL	Flag
Blackfoot River, above Spring Creek	MST029-avg	5.1			-			8700			10000			-			3100			4000			-		
	MST029	-			-			9200			-			-			3200			-			-		
	MST029-D	-			-			8200			-			-			2900			-			-		
	MST029-R1	5.2			-			-			-			-			-			-			-		
	MST029-R2	5.2			-			-			-			-			-			-			-		
	MST029-R3	4.8			-			-			-			-			-			-			-		
Little Blackfoot River, below Long Valley	MST043-avg	7.0			-			11000			12000			-			4600			5000			-		
Little Blackfoot River, immediately below Henry Mine, (1997 #24)	MST044-avg	8.4			-			20000			-			-			7000			-			-		
	MST044-R1	-			-			15000			-			-			6100			-			-		
	MST044-R2	-			-			14000			-			-			6300			-			-		
	MST044-R3	-			-			31000			-			-			8500			-			-		
	MST044-T1	-			-			-			-			-			-			-			-		
	MST044-T2	-			-			-			-			-			-			-			-		
	MST044-T3	-			-			-			-			-			-			-			-		
Little Blackfoot River, above Henry Creek, (1997 #23)	MST045-avg	-			-			-			-			-			-			-			-		
	MST045-T1	-			-			-			-			-			-			-			-		
	MST045-T2	-			-			-			-			-			-			-			-		
	MST045-T3	-			-			-			-			-			-			-			-		
Little Blackfoot River, below Lone Pine Creek	MST046-avg	-			-			-			-			-			-			-			-		
	MST046-T1	-			-			-			-			-			-			-			-		
	MST046-T2	-			-			-			-			-			-			-			-		
	MST046-T3	-			-			-			-			-			-			-			-		
Little Blackfoot River, above Lone Pine Creek	MST047-avg	-			-			-			-			-			-			-			-		
	MST047-T1	-			-			-			-			-			-			-			-		
	MST047-T2	-			-			-			-			-			-			-			-		
	MST047-T3	-			-			-			-			-			-			-			-		
Little Blackfoot River, below Reese Creek	MST048-avg	12			-			11000			-			-			29000			-			-		
	MST048-R1	-			-			13000			-			-			17000			-			-		
	MST048-R1-D	-			-			-			-			-			-			-			-		
	MST048-R2	-			-			12000			-			-			30000			-			-		
	MST048-R3	-			-			7300			-			-			40000			-			-		
	MST048-T1	-			-			-			-			-			-			-			-		
	MST048-T2	-			-			-			-			-			-			-			-		
	MST048-T3	-			-			-			-			-			-			-			-		

Table 19: Uncensored Sediment Analytical Historical Data (mg/kg, dw) continued

		Copper						Iron									Magnesium								
Station		**2002**						**1998**			**1999**			**2000**			**1998**			**1999**			**2000**		
Name	**ID**	**May**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**May**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**May**	**RL**	**Flag**
Little Blackfoot River, above Reese Creek	MST049-avg	15			10		J	19000			16000			-			20000			8000			-		
	MST049-R1	15			-			18000			-			-			31000			-			-		
	MST049-R2	16			-			21000			-			-			19000			-			-		
	MST049-R3	15			-			18000			-			-			9300			-			-		
Long Valley Creek, below Ballard Mine, (ponded area)	MST050-avg	-			-			-			-			-			-			-			-		
	MST050-T1	-			-			-			-			-			-			-			-		
	MST050-T2	-			-			-			-			-			-			-			-		
	MST050-T3	-			-			-			-			-			-			-			-		
Lone Pine Creek, above Little Blackfoot River	MST053-avg	-			-			-			-			-			-			-			-		
	MST053-T1	-			-			-			-			-			-			-			-		
	MST053-T2	-			-			-			-			-			-			-			-		
	MST053-T3	-			-			-			-			-			-			-			-		
Lone Pine Creek, above Spring-Fed Creek	MST054	8.4			-			-			16000			-			-			4900			-		
Lone Pine Creek, below Strip Mine Creek	MST055-avg	-			-			-			-			-			-			-			-		
	MST055-T1	-			-			-			-			-			-			-			-		
	MST055-T2	-			-			-			-			-			-			-			-		
	MST055-T3	-			-			-			-			-			-			-			-		
Lone Pine Creek, above Lone Pine Creek	MST057-avg	13			13		J	-			-			-			-			-			-		
	MST057-T1	-			13		J	-			-			-			-			-			-		
	MST057-T2	-			14		J	-			-			-			-			-			-		
	MST057-T3	-			12		J	-			-			-			-			-			-		
Lone Pine Creek, above West Fork Lone Pine Creek	MST058-avg	-			-			-			-			-			-			-			-		
	MST058-T1	-			-			-			-			-			-			-			-		
	MST058-T2	-			-			-			-			-			-			-			-		
	MST058-T3	-			-			-			-			-			-			-			-		
Strip Mine Creek, above Lone Pine Creek	MST062-avg	-			-			-			-			-			-			-			-		
	MST062-T1	-			-			-			-			-			-			-			-		
	MST062-T2	-			-			-			-			-			-			-			-		
	MST062-T3	-			-			-			-			-			-			-			-		
Strip Mine Creek, below Henry Mine	MST063	25			-			-			-			-			-			-			-		
West Fork Lone Pine Creek, above tributary	MST064	7.1			20		J	-			-			-			-			-			-		

Table 19: Uncensored Sediment Analytical Historical Data (mg/kg, dw) continued

		Copper						Iron									Magnesium								
Station		2002						1998			1999			2000			1998			1999			2000		
Name	ID	May	RL	Flag	Sept.	RL	Flag	Sept.	RL	Flag	Sept.	RL	Flag	May	RL	Flag	Sept.	RL	Flag	Sept.	RL	Flag	May	RL	Flag
Ballard Creek, above Blackfoot River	MST066-avg	-			-			-			-			-			-			-			-		
	MST066-T1	-			-			-			-			-			-			-			-		
	MST066-T2	-			-			-			-			-			-			-			-		
	MST066-T3	-			-			-			-			-			-			-			-		
Ballard Creek headwaters	MST067	32			-			-			-			-			-			-			-		
Short Creek, below Ballard Mine	MST069-avg	22			24		J	-			-			-			-			-			-		
	MST069-R1	17			-			-			-			-			-			-			-		
	MST069-R2	24			-			-			-			-			-			-			-		
	MST069-R3	24			-			-			-			-			-			-			-		
Wooley Valley Creek, below North Fork Wooley Valley Creek	MST089	15			-			-			-			-			-			-			-		
Wooley Valley Creek, above North Fork Wooley Valley Creek	MST090	11			-			-			-			-			-			-			-		
North Fork Wooley Valley Creek, above Wooley Valley Creek	MST092-avg	-			-			-			-			-			-			-			-		
	MST092-T1	-			-			-			-			-			-			-			-		
	MST092-T2	-			-			-			-			-			-			-			-		
	MST092-T3	-			-			-			-			-			-			-			-		
North Fork Wooley Valley Creek, above Ballard Mine	MST093-avg	-			-			-			-			-			-			-			-		
	MST093-T1	-			-			-			-			-			-			-			-		
	MST093-T2	-			-			-			-			-			-			-			-		
	MST093-T3	-			-			-			-			-			-			-			-		
Spring-fed tributary #1 of North Fork Wooley Valley Creek, below Ballard Mine	MST094	18			-			-			-			-			-			-			-		
Spring-fed tributary #2of North Fork Wooley Valley Creek, below Ballard Mine	MST095	33			-			-			-			-			-			-			-		
Tributary of North Fork Wooley , below Ballard Mine	MST096	12			-			-			-			-			-			-			-		
Caldwell Creek, below Phosphoria Formation outcrop	MST101-avg	18			19		J	17000			26000			-			9100			8700			-		
	MST101-R1	-			-			18000			25000			-			11000			8700			-		
	MST101-R1-D	-			-			18000			-			-			13000			-			-		
	MST101-R2	-			-			17000			26000			-			7500			8500			-		
	MST101-R3	-			-			16000			26000			-			7800			8900			-		
Angus Creek, above Blackfoot River	MST126-avg	17			17		J	-			-			-			-			-			-		
	MST126-R1	-			17		J	-			-			-			-			-			-		
	MST126-R2	-			16		J	-			-			-			-			-			-		
	MST126-R3	-			17		J	-			-			-			-			-			-		
Angus Creek, below No Name Creek	MST127-avg	21			17		J	-			24000			-			-			6900			-		
	MST127	-			-			-			-			-			-			-			-		
	MST127-T1	-			18		J	-			-			-			-			-			-		
	MST127-T2	-			16		J	-			-			-			-			-			-		
	MST127-T3	-			18		J	-			-			-			-			-			-		

Table 19: Uncensored Sediment Analytical Historical Data (mg/kg, dw) continued

		Copper						Iron									Magnesium								
Station		2002						1998			1999			2000			1998			1999			2000		
Name	ID	May	RL	Flag	Sept.	RL	Flag	Sept.	RL	Flag	Sept.	RL	Flag	May	RL	Flag	Sept.	RL	Flag	Sept.	RL	Flag	May	RL	Flag
Angus Creek, above Rasmussen Creek	MST128-avg	18			18		J	-			-			-			-			-			-		
	MST128-T1	-			18		J	-			-			-			-			-			-		
	MST128-T2	-			18		J	-			-			-			-			-			-		
	MST128-T3	-			19		J	-			-			-			-			-			-		
Angus Creek, R-B&M-10, below Wooley Valley Mine	MST129-avg	-			-			-			-			-			-			-			-		
	MST129-T1	-			-			-			-			-			-			-			-		
	MST129-T2	-			-			-			-			-			-			-			-		
	MST129-T3	-			-			-			-			-			-			-			-		
Angus Creek, R-B&M-10, below Upper Angus Creek Reservoir	MST130-avg	36			-			-			-			-			-			-			-		
	MST130-R1	-			-			-			-			-			-			-			-		
	MST130-R2	-			-			-			-			-			-			-			-		
	MST130-R3	-			-			-			-			-			-			-			-		
Rassmussen Creek, above Angus Creek	MST131-avg	20			17		J	20000			-			-			5700			-			-		
	MST131	-			-			20000			-			-			5800			-			-		
	MST131-D	-			-			19000			-			-			5600			-			-		
	MST131-T1	-			15		J	-			-			-			-			-			-		
	MST131-T2	-			19		J	-			-			-			-			-			-		
	MST131-T3	-			17		J	-			-			-			-			-			-		
Angus Creek, below Rasmussen Creek	MST132-avg	17			19		J	-			-			-			-			-			-		
	MST132-T1	-			18		J	-			-			-			-			-			-		
	MST132-T2	-			19		J	-			-			-			-			-			-		
	MST132-T3	-			20		J	-			-			-			-			-			-		
Rasmussen Creek, below Enoch Valley Mine	MST133-avg	-			-			-			-			-			-			-			-		
	MST133-T1	-			-			-			-			-			-			-			-		
	MST133-T2	-			-			-			-			-			-			-			-		
	MST133-T3	-			-			-			-			-			-			-			-		
Rasmussen Creek, below West Pond Creek	MST134	19			-			-			-			-			-			-			-		
Rasmussen Creek, above West Pond Creek	MST135	16			-			-			-			-			-			-			-		
Rasmussen Creek headwaters, near Enoch Valley Mine Shop Pond	MST136	24			-			-			-			-			-			-			-		
East Fork Rasmussen Creek, above Rasmussen Creek	MST143-avg	-			-			-			-			-			-			-			-		
	MST143-T1	-			-			-			-			-			-			-			-		
	MST143-T2	-			-			-			-			-			-			-			-		
	MST143-T3	-			-			-			-			-			-			-			-		
East Fork Lone Pine Creek, below Wooley Valley Mine	MST226	22			-			-			-			-			-			-			-		

Table 19: Uncensored Sediment Analytical Historical Data (mg/kg, dw) continued

		Copper						Iron									Magnesium								
Station		2002						1998			1999			2000			1998			1999			2000		
Name	ID	May	RL	Flag	Sept.	RL	Flag	Sept.	RL	Flag	Sept.	RL	Flag	May	RL	Flag	Sept.	RL	Flag	Sept.	RL	Flag	May	RL	Flag
Blackfoot River, below Spring Creek	MST229-avg	6.9			-			-			11000			-			-			4100			-		
	MST229-R1	-			-			-			10000			-			-			3900			-		
	MST229-R2	-			-			-			11000			-			-			4400			-		
	MST229-R3	-			-			-			11000			-			-			4100			-		
Blackfoot River, above State Land Creek	MST230-avg	5.8			-			-			11000			-			-			4700			-		
Blackfoot River, below Woodall Mountain	MST231-avg	6.1			2.8		J	-			-			-			-			-			-		
Blackfoot River, above Blackfoot Reservoir	MST232-avg	8.6			6.2		J	-			8000			-			-			3700			-		
	MST232-R1	-			7.4		J	-			-			-			-			-			-		
	MST232-R2	-			5.6		J	-			-			-			-			-			-		
	MST232-R3	-			5.6		J	-			-			-			-			-			-		
Little Blackfoot River, above Blackfoot Reservoir	MST234-avg	6.0			5.5		J	-			-			-			-			-			-		
	MST234-R1	-			6.0		J	-			-			-			-			-			-		
	MST234-R2	-			3.6		J	-			-			-			-			-			-		
	MST234-R3	-			7.0		J	-			-			-			-			-			-		
	MST234-T1	-			-			-			-			-			-			-			-		
	MST234-T2	-			-			-			-			-			-			-			-		
	MST234-T3	-			-			-			-			-			-			-			-		
Meadow Creek, above Blackfoot Reservoir	MST235-avg	6.2			8.6		J	-			5600			-			-			1300			-		
	MST235	-			-		J	-			5600			-			-			1300			-		
	MST235-D	-			-			-			5500			-			-			1300			-		
Stewart Creek, above Diamond Creek	MST236-avg	-			18		J	-			24000			-			-			8000			-		
	MST236-R1	-			-			-			23000			-			-			8200			-		
	MST236-R2	-			-			-			26000			-			-			8200			-		
	MST236-R3	-			-			-			22000			-			-			7700			-		
Timber Creek, above Diamond Creek	MST237-avg	14			14		J	-			24000			-			-			8000			-		
	MST237-R1	14			16		J	-			24000			-			-			8000			-		
	MST237-R2	14			17		J	-			24000			-			-			8100			-		
	MST237-R3	13			10		J	-			23000			-			-			8000			-		
Little Blackfoot River, upstream of Henry	MST254	15			-			-			-			-			-			-			-		

Table 19: Uncensored Sediment Analytical Historical Data (mg/kg, dw) continued

		Copper						Iron									Magnesium								
Station		**2002**						**1998**			**1999**			**2000**			**1998**			**1999**			**2000**		
Name	**ID**	**May**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**May**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**May**	**RL**	**Flag**
East Fork Rasmussen Creek headwaters	MST269	-			50		J	-			-			-			-			-			-		
Wooley Valley Creek, above Loadout Creek at road	MST272	18			-			-			-			-			-			-			-		
Wooley Valley Creek, above ponding and below MST089	MST273-avg	-			-			-			-			-			-			-			-		
	MST273-T1	-			-			-			-			-			-			-			-		
	MST273-T2	-			-			-			-			-			-			-			-		
	MST273-T3	-			-			-			-			-			-			-			-		
West Fork Rasmussen Creek, above Rasmussen Creek	MST274	24			30		J	-			-			-			-			-			-		
North Fork Lone Pine Creek, Northeast and above East Fork Lone Pine Creek	MST275	-			15		J	-			-			-			-			-			-		
Tributary to West Fork Lone Pine Creek, above West Fork Lone Pine Creek	MST276-avg	-			-			-			-			-			-			-			-		
	MST276-T1	-			-			-			-			-			-			-			-		
	MST276-T2	-			-			-			-			-			-			-			-		
	MST276-T3	-			-			-			-			-			-			-			-		

Table 19: Uncensored Sediment Analytical Historical Data (mg/kg, dw) continued

		Manganese						pH														
Station		1998			2000			1998			1999			2000			2002					
Name	ID	Sept.	RL	Flag	May	RL	Flag	Sept.	RL	Flag	Sept.	RL	Flag	May	RL	Flag	May	RL	Flag	Sept.	RL	Flag
Henry Mine South Pit Overburden Dump Limestone Drain (formerly FD002) (1997 #29)	MDS022-avg	-			-			-			-			-			7.3			7.4		
	MDS022-R1	-			-			-			-			-			7.3			-		
	MDS022-R2	-			-			-			-			-			7.4			-		
	MDS022-R3	-			-			-			-			-			7.3			-		
Enoch Valley Mine West Dump Seep	MDS025	-			-			-			-			-			6.1			-		
Enoch Valley Mine South Dump Seep	MDS026	-			-			-			-			-			-			7.3		
Upper Blackfoot Reservoir	MRV001-avg	-			-			-			7.8			-			-			-		
	MRV001	-			-			-			7.7			-			-			-		
	MRV001-D	-			-			-			7.8			-			-			-		
Upper Blackfoot Reservoir	MRV002-avg	-			-			-			7.7			-			-			-		
	MRV002-R1	-			-			-			7.7			-			-			-		
	MRV002-R2	-			-			-			7.8			-			-			-		
	MRV002-R3	-			-			-			7.7			-			-			-		
Upper Blackfoot Reservoir	MRV003	-			-			-			7.9			-			-			-		
Upper Blackfoot Reservoir	MRV004	-			-			-			7.8			-			-			-		
Upper Blackfoot Reservoir	MRV005	-			-			-			7.8			-			-			-		
Lower Blackfoot Reservoir	MRV006	-			-			-			7.6			-			-			-		
Lower Blackfoot Reservoir	MRV007-avg	-			-			-			7.8			-			-			-		
	MRV007-R1	-			-			-			7.8			-			-			-		
	MRV007-R2	-			-			-			7.8			-			-			-		
	MRV007-R3	-			-			-			7.8			-			-			-		
Lower Blackfoot Reservoir	MRV008	-			-			-			7.9			-			-			-		
Lower Blackfoot Reservoir	MRV009	-			-			-			7.9			-			-			-		
Lower Blackfoot Reservoir	MRV010	-			-			-			7.9			-			-			-		
Reservoir Delta at Blackfoot River	MRV011-avg	-			510			-			8.0			7.8			-			7.6		
	MRV011-P1	-			-			-			7.9			-			-			-		
	MRV011-P2	-			-			-			8.1			-			-			-		
	MRV011-P3	-			-			-			7.9			-			-			-		
	MRV011-P1-1-R1	-			640			-			-			-			-			-		
	MRV011-P1-1-R2	-			650			-			-			-			-			-		
	MRV011-P1-1-R3	-			620			-			-			-			-			-		
	MRV011-P1-2	-			500			-			-			-			-			-		
	MRV011-P1-3	-			580			-			-			-			-			-		
	MRV011-P1-4	-			430			-			-			-			-			-		
	MRV011-P1-5	-			310			-			-			7.7			-			-		
	MRV011-P1-6	-			350			-			-			-			-			-		
	MRV011-P1-7	-			410			-			-			7.8			-			-		
	MRV011-P2-1	-			600			-			-			-			-			-		
	MRV011-P2-2	-			470			-			-			-			-			-		
	MRV011-P2-2-D	-			490			-			-			-			-			-		
	MRV011-P2-3	-			550			-			-			-			-			-		
	MRV011-P2-3-D	-			-			-			-			-			-			-		
	MRV011-P2-4	-			520			-			-			-			-			-		
	MRV011-P2-5	-			390			-			-			-			-			-		
	MRV011-P3-1	-			840			-			-			-			-			-		
	MRV011-P3-2	-			580			-			-			-			-			-		
	MRV011-P3-3	-			540			-			-			-			-			-		
	MRV011-P3-4-R1	-			550			-			-			-			-			-		
	MRV011-P3-4-R2	-			500			-			-			-			-			-		
	MRV011-P3-4-R3	-			530			-			-			-			-			-		
	MRV011-P3-5	-			320			-			-			-			-			-		

Table 19: Uncensored Sediment Analytical Historical Data (mg/kg, dw) continued

		Manganese						pH														
Station		1998			2000			1998			1999			2000			2002					
Name	ID	Sept.	RL	Flag	May	RL	Flag	Sept.	RL	Flag	Sept.	RL	Flag	May	RL	Flag	May	RL	Flag	Sept.	RL	Flag
Reservoir Delta at Meadow Creek	MRV017-avg	-			-			-			-			-			-			7.7		
	MRV017-R1	-			-			-			-			-			-			7.6		
	MRV017-R2	-			-			-			-			-			-			7.7		
	MRV017-R3	-			-			-			-			-			-			7.7		
Enoch Valley Mine, Hedin Spring	MSG001	-			-			-			-			-			-			7.6		
Ballard Mine, Garden Hose Spring	MSG003	-			-			-			-			-			7.2			7.2		
Ballard Mine, Holmgren Spring	MSG004	-			-			-			-			-			-			6.7		
Ballard Mine, Cattle Spring	MSG005	-			-			-			-			-			-			8.0		
Ballard Mine Dredge Pond	MSP010-avg	-			-			-			-			-			7.6			7.6		
	MSP010-R1	-			-			-			-			-			7.6			-		
	MSP010-R2	-			-			-			-			-			7.6			-		
	MSP010-R3	-			-			-			-			-			7.6			-		
Ballard Mine Upper Elk Pond	MSP011	220			-			7.6			-			-			7.3			-		
Ballard Mine Lower Elk Pond	MSP012	-			-			-			-			-			8.0			-		
Henry Mine Henry Pond	MSP014	-			-			-			-			-			7.3			7.4		
Henry Mine Smith Pond	MSP015	-			-			-			-			-			7.7			7.6		
Henry Mine Center Henry Pond	MSP016-avg	-			-			-			-			-			7.6			7.1		
	MSP016-R1	-			-			-			-			-			-			7.1		
	MSP016-R2	-			-			-			-			-			-			7.2		
	MSP016-R3	-			-			-			-			-			-			7.1		
Enoch Valley Mine South Pond	MSP017	-			-			-			-			-			7.4			7.4		
Enoch Valley Mine Keyhole Pond	MSP018	-			-			-			-			-			7.0			6.2		
Enoch Valley Mine Bat Cave Pond	MSP019	-			-			-			-			-			7.4			7.5		
Enoch Valley Mine West Pond	MSP020	-			-			-			-			-			6.9			7.5		
Enoch Valley Mine Stock Pond	MSP021-avg	-			-			-			-			-			7.5			7.6		
	MSP021-R1	-			-			-			-			-			7.5			-		
	MSP021-R2	-			-			-			-			-			7.5			-		
	MSP021-R3	-			-			-			-			-			7.5			-		
Enoch Valley Mine Tipple Pond	MSP022	-			-			-			-			-			7.1			7.4		
Enoch Valley Mine Haul Road Pond	MSP023	-			-			-			-			-			7.6			7.3		
Enoch Valley Mine Shop Pond	MSP031	-			-			-			-			-			6.3			6.9		
Henry Mine South Pit Pond	MSP055	-			-			-			-			-			7.5			-		
Ballard Mine Pit #4 Stock Pond	MSP059	-			-			-			-			-			7.2			-		
Blackfoot River, below Ballard Creek	MST019	410			-			7.7			7.7			-			7.6			7.6		
Blackfoot River, below State Land Creek	MST020	940			-			8.1			7.7			-			-			7.6		
Blackfoot River, below Trail Creek	MST021	-			-			-			7.7			-			7.5			7.7		
Blackfoot River, below Wooley Valley Creek	MST022-avg	520			-			7.6			-			-			-			7.5		
	MST022-R1	320			-			7.7			-			-			-			7.6		
	MST022-R2	440			-			7.7			-			-			-			7.4		
	MST022-R3	790			-			7.5			-			-			-			7.5		

Table 19: Uncensored Sediment Analytical Historical Data (mg/kg, dw) continued

		Manganese						pH														
Station		1998			2000			1998			1999			2000			2002					
Name	ID	Sept.	RL	Flag	May	RL	Flag	Sept.	RL	Flag	Sept.	RL	Flag	May	RL	Flag	May	RL	Flag	Sept.	RL	Flag
Blackfoot River, below Dry Valley Creek, (1997 #20)	MST023-avg	310			-			8.0			7.7			-			-			7.6		
	MST023-R1	290			-			7.9			-			-			-			7.6		
	MST023-R2	340			-			8.1			-			-			-			7.5		
	MST023-R3	290			-			8.0			-			-			-			7.8		
Blackfoot River, above Dry Valley Creek,	MST024	310			-			8.0			7.8			-			-			-		
Blackfoot River, above Wooley Range Ridge Creek	MST026-avg	540			-			8.0			7.7			-			7.4			-		
	MST026-R1	-			-			-			7.6			-			-			-		
	MST026-R2	-			-			-			7.7			-			7.4			-		
	MST026-R3	-			-			-			7.7			-			7.4			-		
Blackfoot River, below Angus Creek	MST027-avg	-			-			-			7.8			-			-			7.4		
	MST027	-			-			-			7.8			-			-			-		
	MST027-D	-			-			-			7.8			-			-			-		
	MST027-T1	-			-			-			-			-			-			7.4		
	MST027-T2	-			-			-			-			-			-			7.3		
	MST027-T3	-			-			-			-			-			-			7.6		
Blackfoot River, above Diamond Creek Rd.	MST028-avg	-			-			-			7.9			-			-			7.4		
	MST028-T1	-			-			-			-			-			-			7.4		
	MST028-T2	-			-			-			-			-			-			7.4		
	MST028-T3	-			-			-			-			-			-			7.4		
Blackfoot River, above Spring Creek	MST029-avg	360			-			8.0			7.7			-			-			-		
	MST029	370			-			8.0			-			-			-			-		
	MST029-D	340			-			7.9			-			-			-			-		
Little Blackfoot River, below Long Valley	MST043-avg	120			-			7.5			7.6			-			6.9			-		
Little Blackfoot River, immediately below Henry Mine, (1997 #24)	MST044-avg	440			-			7.7			-			-			7.1			-		
	MST044-R1	470			-			7.7			-			-			-			-		
	MST044-R2	380			-			7.7			-			-			-			-		
	MST044-R3	480			-			7.7			-			-			-			-		
Little Blackfoot River, above Henry Creek,	MST045	-			-			-			-			-			6.9			-		
Little Blackfoot River, below Lone Pine Creek	MST046	340			-			7.4			-			-			7.3			-		
Little Blackfoot River, above Lone Pine Creek	MST047	220			-			7.1			-			-			6.9			-		
Little Blackfoot River, below Reese Creek	MST048-avg	720			-			7.5			-			-			7.3			-		
	MST048-R1	800			-			7.5			-			-			-			-		
	MST048-R1-D	-			-			7.5			-			-			-			-		
	MST048-R2	720			-			7.4			-			-			-			-		
	MST048-R3	630			-			7.8			-			-			-			-		

Table 19: Uncensored Sediment Analytical Historical Data (mg/kg, dw) continued

		Manganese						pH														
Station		1998			2000			1998			1999			2000			2002					
Name	ID	Sept.	RL	Flag	May	RL	Flag	Sept.	RL	Flag	Sept.	RL	Flag	May	RL	Flag	May	RL	Flag	Sept.	RL	Flag
Little Blackfoot River, above Reese Creek	MST049-avg	1600			-			7.6			7.3			-			7.2			7.7		
	MST049-R1	1600			-			7.7			-			-			7.1			-		
	MST049-R2	1800			-			7.7			-			-			7.2			-		
	MST049-R3	1500			-			7.4			-			-			7.2			-		
Long Valley Creek, below Ballard Mine,	MST050	-			-			-			-			-			7.2			-		
Lone Pine Creek, above Little Blackfoot River	MST053	-			-			-			-			-			6.9			-		
Lone Pine Creek, above Spring-Fed Creek	MST054	-			-			-			7.5			-			6.9			-		
Lone Pine Creek, below Strip Mine Creek	MST055	-			-			-			-			-			7.2			-		
Lone Pine Creek, above Strip Mine Creek	MST056	-			-			-			-			-			-			-		
Lone Pine Creek, above Lone Pine Creek	MST057-avg	-			-			-			-			-			6.8			7.3		
	MST057-T1	-			-			-			-			-			-			7.3		
	MST057-T2	-			-			-			-			-			-			7.2		
	MST057-T3	-			-			-			-			-			-			7.5		
Lone Pine Creek, above West Fork Lone Pine	MST058	-			-			-			-			-			-			7.7		
Strip Mine Creek, above Lone Pine Creek	MST062	-			-			-			-			-			7.3			-		
Strip Mine Creek, below Henry Mine	MST063	-			-			-			-			-			7.4			-		
West Fork Lone Pine Creek, above tributary	MST064	-			-			-			-			-			7.1			7.3		
Ballard Creek, above Blackfoot River	MST066	-			-			-			-			-			6.6			-		
Ballard Creek headwaters	MST067	-			-			-			-			-			7.2			-		
Short Creek, below Ballard Mine	MST069-avg	-			-			-			-			-			7.3			7.6		
	MST069-R1	-			-			-			-			-			7.4			-		
	MST069-R2	-			-			-			-			-			7.3			-		
	MST069-R3	-			-			-			-			-			7.3			-		
Wooley Valley Creek, above Blackfoot River	MST088	-			-			-			7.5			-			-			-		
Wooley Valley Creek, below North Fork Wooley Valley Creek	MST089	-			-			-			-			-			-			-		
Wooley Valley Creek, above North Fork Wooley Valley Creek	MST090	-			-			-			-			-			-			-		
North Fork Wooley Valley Creek, above	MST093	-			-			-			-			-			6.6			-		
Spring-fed tributary #1 of North Fork Wooley Valley Creek, below Ballard Mine	MST094	-			-			-			-			-			7.5			-		
Spring-fed tributary #2of North Fork Wooley Valley Creek, below Ballard Mine	MST095	-			-			-			-			-			6.8			-		
Caldwell Creek, below Phosphoria Formation outcrop	MST101-avg	1400			-			7.6			7.7			-			7.5			7.5		
	MST101-R1	1400			-			7.9			7.6			-			-			-		
	MST101-R1-D	1500			-			7.9			-			-			-			-		
	MST101-R2	1400			-			7.7			7.7			-			-			-		
	MST101-R3	1200			-			7.2			7.7			-			-			-		
Angus Creek, above Blackfoot River	MST126-avg	-			-			-			-			-			7.5			7.6		
	MST126-R1	-			-			-			-			-			-			7.5		
	MST126-R2	-			-			-			-			-			-			7.5		
	MST126-R3	-			-			-			-			-			-			7.9		
Angus Creek, below No Name Creek	MST127-avg	-			-			-			7.1			-			7.4			7.3		
	MST127-T1	-			-			-			-			-			-			7.3		
	MST127-T2	-			-			-			-			-			-			7.3		
	MST127-T3	-			-			-			-			-			-			7.4		

Table 19: Uncensored Sediment Analytical Historical Data (mg/kg, dw) continued

		Manganese						pH														
Station		1998			2000			1998			1999			2000			2002					
Name	ID	Sept.	RL	Flag	May	RL	Flag	Sept.	RL	Flag	Sept.	RL	Flag	May	RL	Flag	May	RL	Flag	Sept.	RL	Flag
Angus Creek, above Rasmussen Creek	MST128-avg	-			-			-			-			-			-			7.6		
	MST128-T1	-			-			-			-			-			-			7.7		
	MST128-T2	-			-			-			-			-			-			7.7		
	MST128-T3	-			-			-			-			-			-			7.3		
Angus Creek, R-B&M-10, below Wooley	MST129	1300			-			7.6			-			-			-			-		
Angus Creek, R-B&M-10, below Upper Angus Creek Reservoir	MST130-avg	-			-			-			-			-			7.5			-		
	MST130-R1	-			-			-			-			-			7.5			-		
	MST130-R2	-			-			-			-			-			7.5			-		
	MST130-R3	-			-			-			-			-			7.4			-		
Rassmussen Creek, above Angus Creek	MST131-avg	740			-			7.1			-			-			-			7.3		
	MST131	760			-			-			-			-			-			-		
	MST131-D	720			-			-			-			-			-			-		
	MST131-T1	-			-			-			-			-			-			7.2		
	MST131-T2	-			-			-			-			-			-			7.4		
	MST131-T3	-			-			-			-			-			-			7.3		
Angus Creek, below Rasmussen Creek	MST132-avg	-			-			7.3			-			-			-			7.4		
	MST132-T1	-			-			-			-			-			-			7.2		
	MST132-T2	-			-			-			-			-			-			7.6		
	MST132-T3	-			-			-			-			-			-			7.5		
Rasmussen Creek, below Enoch Valley Mine	MST133	-			-			-			7.4			-			7.0			-		
Rasmussen Creek, below West Pond Creek	MST134	-			-			-			-			-			6.7			-		
Rasmussen Creek, above West Pond Creek	MST135	-			-			-			-			-			6.2			-		
Rasmussen Creek headwaters, near Enoch Valley Mine Shop Pond	MST136	-			-			-			-			-			6.9			-		
East Fork Lone Pine Creek, below Wooley Valley Mine	MST226	-			-			-			-			-			7.0			-		
Blackfoot River, below Spring Creek	MST229-avg	-			-			-			7.6			-			-			-		
	MST229-R1	-			-			-			7.6			-			-			-		
	MST229-R2	-			-			-			7.6			-			-			-		
	MST229-R3	-			-			-			7.6			-			-			-		
Blackfoot River, above State Land Creek	MST230	-			-			-			8.2			-			-			-		
Blackfoot River, below Woodall Mountain	MST231	-			-			-			-			-			7.3			7.4		
Blackfoot River, above Blackfoot Reservoir	MST232-avg	-			-			-			7.8			-			-			7.5		
	MST232-R1	-			-			-			-			-			-			7.5		
	MST232-R2	-			-			-			-			-			-			7.4		
	MST232-R3	-			-			-			-			-			-			7.5		
Little Blackfoot River, above Blackfoot Reservoir	MST234-avg	-			-			-			-			-			6.9			7.4		
	MST234-R1	-			-			-			-			-			-			7.3		
	MST234-R2	-			-			-			-			-			-			7.6		
	MST234-R3	-			-			-			-			-			-			7.3		

Table 19: Uncensored Sediment Analytical Historical Data (mg/kg, dw) continued

		Manganese						pH														
Station		**1998**			**2000**			**1998**			**1999**			**2000**			**2002**					
Name	**ID**	**Sept.**	**RL**	**Flag**	**May**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**May**	**RL**	**Flag**	**May**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**
Meadow Creek, above Blackfoot Reservoir	MST235-avg	-			-			-			8.0			-			7.3			7.7		
	MST235	-			-			-			-			-			-			-		
	MST235-D	-			-			-			-			-			-			-		
Stewart Creek, above Diamond Creek	MST236-avg	-			-			-			7.6			-			-			7.7		
	MST236-R1	-			-			-			7.6			-			-			-		
	MST236-R2	-			-			-			7.6			-			-			-		
	MST236-R3	-			-			-			7.6			-			-			-		
Timber Creek, above Diamond Creek	MST237-avg	-			-			-			7.6			-			7.4			7.7		
	MST237-R1	-			-			-			7.5			-			7.4			7.8		
	MST237-R2	-			-			-			7.6			-			7.4			7.5		
	MST237-R3	-			-			-			7.6			-			7.4			7.7		
Little Blackfoot River, upstream of Henry	MST254	-			-			-			-			-			7.0			-		
East Fork Rasmussen Creek headwaters	MST269	-			-			-			-			-			-			7.4		
West Fork Rasmussen Creek, above Rasmussen Creek	MST274	-			-			-			-			-			7.0			7.5		
North Fork Lone Pine Creek, Northeast and above East Fork Lone Pine Creek	MST275	-			-			-			-			-			-			7.9		
Tributary to West Fork Lone Pine Creek,	MST276	-			-			-			-			-			6.1			7.0		

Table 19: Uncensored Sediment Analytical Historical Data (mg/kg, dw) continued

		Potassium									Sodium									SO4								
Station		1998			1999			2000			1998			1999			2000			1998			1999			2000		
Name	ID	Sept.	RL	Flag	Sept.	RL	Flag	May	RL	Flag	Sept.	RL	Flag	Sept.	RL	Flag	May	RL	Flag	Sept.	RL	Flag	Sept.	RL	Flag	May	RL	Flag
Henry Mine South Pit Overburden Dump Limestone Drain (formerly FD002) (1997 #29)	MDS022-avg	-			-			-			-			-			-			-			-			-		
	MDS022-R1	-			-			-			-			-			-			-			-			-		
	MDS022-R2	-			-			-			-			-			-			-			-			-		
	MDS022-R3	-			-			-			-			-			-			-			-			-		
Enoch Valley Mine West Dump Seep	MDS025	-			-			-			-			-			-			-			-			-		
Enoch Valley Mine South Dump Seep	MDS026	-			-			-			-			-			-			-			-			-		
Upper Blackfoot Reservoir	MRV001-avg	-			5100			-			-			280			-			-			84			-		
	MRV001	-			5000			-			-			270			-			-			83			-		
	MRV001-D	-			5100			-			-			290			-			-			84			-		
Upper Blackfoot Reservoir	MRV002-avg	-			1500			-			-			280			-			-			110			-		
	MRV002-R1	-			1500			-			-			280			-			-			110			-		
	MRV002-R2	-			1600			-			-			280			-			-			110			-		
	MRV002-R3	-			1500			-			-			280			-			-			110			-		
Upper Blackfoot Reservoir	MRV003	-			1200			-			-			310			-			-			80			-		
Upper Blackfoot Reservoir	MRV004	-			4300			-			-			310			-			-			74			-		
Upper Blackfoot Reservoir	MRV005-avg	-			3000			-			-			250			-			-			57			-		
Lower Blackfoot Reservoir	MRV006	-			3700			-			-			390			-			-			180			-		
Lower Blackfoot Reservoir	MRV007-avg	-			3700			-			-			300			-			-			41			-		
	MRV007-R1	-			3500			-			-			320			-			-			40			-		
	MRV007-R2	-			3800			-			-			290			-			-			42			-		
	MRV007-R3	-			3800			-			-			300			-			-			41			-		
Lower Blackfoot Reservoir	MRV008	-			3400			-			-			270			-			-			40			-		
Lower Blackfoot Reservoir	MRV009	-			1900			-			-			280			-			-			130			-		
Lower Blackfoot Reservoir	MRV010	-			4800			-			-			270			-			-			89			-		
Reservoir Delta at Blackfoot River	MRV011-avg	-			3800			4300			-			250			240			-			17			33		
	MRV011-P1	-			3800			-			-			260			-			-			17			-		
	MRV011-P2	-			3600			-			-			240			-			-			14			-		
	MRV011-P3	-			3900			-			-			250			-			-			21			-		
	MRV011-P1-1-R1	-			-			4600			-			-			230			-			-			52		
	MRV011-P1-1-R2	-			-			4600			-			-			240			-			-			-		
	MRV011-P1-1-R3	-			-			4300			-			-			230			-			-			-		
	MRV011-P1-2	-			-			4300			-			-			240			-			-			55		
	MRV011-P1-3	-			-			4700			-			-			230			-			-			46		
	MRV011-P1-4	-			-			4600			-			-			230			-			-			30		
	MRV011-P1-5	-			-			3500			-			-			220			-			-			9.8		
	MRV011-P1-6	-			-			3700			-			-			250			-			-			14		
	MRV011-P1-7	-			-			4200			-			-			240			-			-			16		
	MRV011-P2-1	-			-			4700			-			-			240			-			-			-		
	MRV011-P2-2	-			-			3900			-			-			220			-			-			29		
	MRV011-P2-2-D	-			-			4000			-			-			220			-			-			-		
	MRV011-P2-3	-			-			4700			-			-			240			-			-			-		
	MRV011-P2-3-D	-			-			-			-			-			-			-			-			-		
	MRV011-P2-4	-			-			4400			-			-			230			-			-			41		
	MRV011-P2-5	-			-			3800			-			-			230			-			-			-		
	MRV011-P3-1	-			-			5300			-			-			260			-			-			-		
	MRV011-P3-2	-			-			4600			-			-			240			-			-			35		
	MRV011-P3-3	-			-			4100			-			-			240			-			-			33		
	MRV011-P3-4-R1	-			-			4600			-			-			250			-			-			40		
	MRV011-P3-4-R2	-			-			4100			-			-			230			-			-			-		
	MRV011-P3-4-R3	-			-			4500			-			-			260			-			-			-		
	MRV011-P3-5	-			-			3400			-			-			220			-			-			14		

Table 19: Uncensored Sediment Analytical Historical Data (mg/kg, dw) continued

		Potassium									Sodium									SO4								
Station		1998			1999			2000			1998			1999			2000			1998			1999			2000		
Name	ID	Sept.	RL	Flag	Sept.	RL	Flag	May	RL	Flag	Sept.	RL	Flag	Sept.	RL	Flag	May	RL	Flag	Sept.	RL	Flag	Sept.	RL	Flag	May	RL	Flag
Reservoir Delta at Meadow Creek	MRV017-avg	-			-			-			-			-			-			-			-			-		
	MRV017-R1	-			-			-			-			-			-			-			-			-		
	MRV017-R2	-			-			-			-			-			-			-			-			-		
	MRV017-R3	-			-			-			-			-			-			-			-			-		
Enoch Valley Mine, Hedin Spring	MSG001	-			-			-			-			-			-			-			-			-		
Ballard Mine, Garden Hose Spring	MSG003	-			-			-			-			-			-			-			-			-		
Ballard Mine, Holmgren Spring	MSG004	-			-			-			-			-			-			-			-			-		
Ballard Mine, Cattle Spring	MSG005	-			-			-			-			-			-			-			-			-		
Ballard Mine Dredge Pond	MSP010-avg	-			-			-			-			-			-			-			-			-		
	MSP010-R1	-			-			-			-			-			-			-			-			-		
	MSP010-R2	-			-			-			-			-			-			-			-			-		
	MSP010-R3	-			-			-			-			-			-			-			-			-		
Ballard Mine Upper Elk Pond	MSP011	6800			-			-			600			-			-			40			-			-		
Ballard Mine Lower Elk Pond	MSP012	-			-			-			-			-			-			-			-			-		
Henry Mine Henry Pond	MSP014	-			-			-			-			-			-			-			-			-		
Henry Mine Smith Pond	MSP015	-			-			-			-			-			-			-			-			-		
Henry Mine Center Henry Pond	MSP016-avg	-			-			-			-			-			-			-			-			-		
	MSP016-R1	-			-			-			-			-			-			-			-			-		
	MSP016-R2	-			-			-			-			-			-			-			-			-		
	MSP016-R3	-			-			-			-			-			-			-			-			-		
Enoch Valley Mine South Pond	MSP017	-			-			-			-			-			-			-			-			-		
Enoch Valley Mine Keyhole Pond	MSP018	-			-			-			-			-			-			-			-			-		
Enoch Valley Mine Bat Cave Pond	MSP019	-			-			-			-			-			-			-			-			-		
Enoch Valley Mine West Pond	MSP020	-			-			-			-			-			-			-			-			-		
Enoch Valley Mine Stock Pond	MSP021-avg	-			-			-			-			-			-			-			-			-		
	MSP021-R1	-			-			-			-			-			-			-			-			-		
	MSP021-R2	-			-			-			-			-			-			-			-			-		
	MSP021-R3	-			-			-			-			-			-			-			-			-		
Enoch Valley Mine Tipple Pond	MSP022	-			-			-			-			-			-			-			-			-		
Enoch Valley Mine Haul Road Pond	MSP023	-			-			-			-			-			-			-			-			-		
Enoch Valley Mine Shop Pond	MSP031	-			-			-			-			-			-			-			-			-		
Henry Mine South Pit Pond	MSP055	-			-			-			-			-			-			-			-			-		
Ballard Mine Pit #4 Stock Pond	MSP059	-			-			-			-			-			-			-			-			-		
Blackfoot River, below Ballard Creek	MST019	2500			3800			-			340			240			-			40			58			-		
Blackfoot River, below State Land Creek	MST020	2600			3300			-			330			320			-			14			31			-		
Blackfoot River, below Trail Creek	MST021	-			4300			-			-			280			-			-			17			-		
Blackfoot River, below Wooley Valley Creek	MST022-avg	3100			-			-			220			-			-			25			-			-		
	MST022-R1	2800			-			-			230			-			-			15			-			-		
	MST022-R2	2900			-			-			200			-			-			22			-			-		
	MST022-R3	3700			-			-			220			-			-			39			-			-		

Table 19: Uncensored Sediment Analytical Historical Data (mg/kg, dw) continued

		Potassium									Sodium									SO4								
Station		1998			1999			2000			1998			1999			2000			1998			1999			2000		
Name	ID	Sept.	RL	Flag	Sept.	RL	Flag	May	RL	Flag	Sept.	RL	Flag	Sept.	RL	Flag	May	RL	Flag	Sept.	RL	Flag	Sept.	RL	Flag	May	RL	Flag
Blackfoot River, below Dry Valley Creek, (1997 #20)	MST023-avg	2300			2200			-			260			240			-			30			59			-		
	MST023-R1	2400			-			-			260			-			-			42			-			-		
	MST023-R2	2200			-			-			280			-			-			21			-			-		
	MST023-R3	2200			-			-			240			-			-			27			-			-		
Blackfoot River, above Dry Valley Creek, (1997	MST024	1900			2900			-			310			350			-			21			22			-		
Blackfoot River, above Wooley Range Ridge Creek	MST026-avg	2100			3000			-			420			210			-			22			43			-		
	MST026-R1	-			2900			-			-			200			-			-			42			-		
	MST026-R2	-			3000			-			-			220			-			-			44			-		
	MST026-R3	-			3000			-			-			210			-			-			42			-		
Blackfoot River, below Angus Creek	MST027-avg	-			2600			-			-			290			-			-			27			-		
	MST027	-			2600			-			-			290			-			-			28			-		
	MST027-D	-			2600			-			-			280			-			-			26			-		
	MST027-T1	-			-			-			-			-			-			-			-			-		
	MST027-T2	-			-			-			-			-			-			-			-			-		
	MST027-T3	-			-			-			-			-			-			-			-			-		
Blackfoot River, above Diamond Creek Rd.	MST028-avg	-			-			-			-			-			-			-			-			-		
	MST028-T1	-			-			-			-			-			-			-			-			-		
	MST028-T2	-			-			-			-			-			-			-			-			-		
	MST028-T3	-			-			-			-			-			-			-			-			-		
Blackfoot River, above Spring Creek	MST029-avg	2500			2700			-			280			290			-			17			24			-		
	MST029	2600			-			-			280			-			-			-			-			-		
	MST029-D	2400			-			-			270			-			-			-			-			-		
Little Blackfoot River, below Long Valley	MST043-avg	2400			2800			-			420			490			-			110			230			-		
Little Blackfoot River, immediately below Henry Mine, (1997 #24)	MST044-avg	1900			-			-			2000			-			-			86			-			-		
	MST044-R1	2000			-			-			1500			-			-			87			-			-		
	MST044-R2	2200			-			-			1500			-			-			93			-			-		
	MST044-R3	1600			-			-			3100			-			-			77			-			-		
Little Blackfoot River, above Henry Creek,	MST045	-			-			-			-			-			-			-			-			-		
Little Blackfoot River, below Lone Pine Creek	MST046	3300			-			-			310			-			-			66			-			-		
Little Blackfoot River, above Lone Pine Creek	MST047	3400			-			-			-			-			-			78			-			-		
Little Blackfoot River, below Reese Creek	MST048-avg	2400			-			-			-			-			-			24			-			-		
	MST048-R1	2700			-			-			-			-			-			22			-			-		
	MST048-R1-D	2700			-			-			-			-			-			-			-			-		
	MST048-R2	1900			-			-			-			-			-			31			-			-		
	MST048-R3	-			-			-			-			-			-			19			-			-		

Table 19: Uncensored Sediment Analytical Historical Data (mg/kg, dw) continued

		Potassium									Sodium									SO4								
Station		1998			1999			2000			1998			1999			2000			1998			1999			2000		
Name	ID	Sept.	RL	Flag	Sept.	RL	Flag	May	RL	Flag	Sept.	RL	Flag	Sept.	RL	Flag	May	RL	Flag	Sept.	RL	Flag	Sept.	RL	Flag	May	RL	Flag
Little Blackfoot River, above Reese Creek	MST049-avg	2400			3200			-			630			410			-			14			39			-		
	MST049-R1	2100			-			-			690			-			-			8.8			-			-		
	MST049-R2	2400			-			-			820			-			-			14			-			-		
	MST049-R3	2800			-			-			370			-			-			20			-			-		
Long Valley Creek, below Ballard Mine,	MST050	-			-			-			-			-			-			-			-			-		
Lone Pine Creek, above Little Blackfoot River	MST053	-			-			-			-			-			-			-			-			-		
Lone Pine Creek, above Spring-Fed Creek	MST054	-			3300			-			-			500			-			-			29			-		
Lone Pine Creek, below Strip Mine Creek	MST055	-			-			-			-			-			-			-			-			-		
Lone Pine Creek, above Strip Mine Creek	MST056	-			-			-			-			-			-			-			-			-		
Lone Pine Creek, above Lone Pine Creek	MST057-avg	-			-			-			-			-			-			-			-			-		
	MST057-T1	-			-			-			-			-			-			-			-			-		
	MST057-T2	-			-			-			-			-			-			-			-			-		
	MST057-T3	-			-			-			-			-			-			-			-			-		
Lone Pine Creek, above West Fork Lone Pine	MST058	-			-			-			-			-			-			-			-			-		
Strip Mine Creek, above Lone Pine Creek	MST062	-			-			-			-			-			-			-			-			-		
Strip Mine Creek, below Henry Mine	MST063	-			-			-			-			-			-			-			-			-		
West Fork Lone Pine Creek, above tributary	MST064	-			-			-			-			-			-			-			-			-		
Ballard Creek, above Blackfoot River	MST066	-			-			-			-			-			-			-			-			-		
Ballard Creek headwaters	MST067	-			-			-			-			-			-			-			-			-		
Short Creek, below Ballard Mine	MST069-avg	-			-			-			-			-			-			-			-			-		
	MST069-R1	-			-			-			-			-			-			-			-			-		
	MST069-R2	-			-			-			-			-			-			-			-			-		
	MST069-R3	-			-			-			-			-			-			-			-			-		
Wooley Valley Creek, above Blackfoot River	MST088	-			3700			-			-			370			-			-			120			-		
Wooley Valley Creek, below North Fork Wooley Valley Creek	MST089	-			-			-			-			-			-			-			-			-		
Wooley Valley Creek, above North Fork Wooley Valley Creek	MST090	-			-			-			-			-			-			-			-			-		
North Fork Wooley Valley Creek, above	MST093-avg	-			-			-			-			-			-			-			-			-		
Spring-fed tributary #1 of North Fork Wooley Valley Creek, below Ballard Mine	MST094	-			-			-			-			-			-			-			-			-		
Spring-fed tributary #2of North Fork Wooley Valley Creek, below Ballard Mine	MST095	-			-			-			-			-			-			-			-			-		
Caldwell Creek, below Phosphoria Formation outcrop	MST101-avg	5600			7400			-			270			270			-			16			72			-		
	MST101-R1	5500			7500			-			280			270			-			14			72			-		
	MST101-R1-D	5800			-			-			270			-			-			13			-			-		
	MST101-R2	5700			7200			-			240			270			-			17			72			-		
	MST101-R3	5400			7400			-			290			270			-			16			71			-		
Angus Creek, above Blackfoot River	MST126-avg	-			-			-			-			-			-			-			-			-		
	MST126-R1	-			-			-			-			-			-			-			-			-		
	MST126-R2	-			-			-			-			-			-			-			-			-		
	MST126-R3	-			-			-			-			-			-			-			-			-		
Angus Creek, below No Name Creek	MST127-avg	-			-			-			-			-			-			-			-			-		
	MST127-T1	-			-			-			-			-			-			-			-			-		
	MST127-T2	-			-			-			-			-			-			-			-			-		
	MST127-T3	-			-			-			-			-			-			-			-			-		

Table 19: Uncensored Sediment Analytical Historical Data (mg/kg, dw) continued

		Potassium									Sodium									SO4								
Station		1998			1999			2000			1998			1999			2000			1998			1999			2000		
Name	ID	Sept.	RL	Flag	Sept.	RL	Flag	May	RL	Flag	Sept.	RL	Flag	Sept.	RL	Flag	May	RL	Flag	Sept.	RL	Flag	Sept.	RL	Flag	May	RL	Flag
Angus Creek, above Rasmussen Creek	MST128-avg	-			-			-			-			-			-			-			-			-		
	MST128-T1	-			-			-			-			-			-			-			-			-		
	MST128-T2	-			-			-			-			-			-			-			-			-		
	MST128-T3	-			-			-			-			-			-			-			-			-		
Angus Creek, R-B&M-10, below Wooley	MST129	7300			-			-			260			-			-			23			-			-		
Angus Creek, R-B&M-10, below Upper Angus Creek Reservoir	MST130-avg	-			-			-			-			-			-			-			-			-		
	MST130-R1	-			-			-			-			-			-			-			-			-		
	MST130-R2	-			-			-			-			-			-			-			-			-		
	MST130-R3	-			-			-			-			-			-			-			-			-		
Rassmussen Creek, above Angus Creek	MST131-avg	5200			-			-			230			-			-			47			-			-		
	MST131	5200			-			-			240			-			-			-			-			-		
	MST131-D	5100			-			-			220			-			-			-			-			-		
	MST131-T1	-			-			-			-			-			-			-			-			-		
	MST131-T2	-			-			-			-			-			-			-			-			-		
	MST131-T3	-			-			-			-			-			-			-			-			-		
Angus Creek, below Rasmussen Creek	MST132-avg	-			-			-			-			-			-			-			-			-		
	MST132-T1	-			-			-			-			-			-			-			-			-		
	MST132-T2	-			-			-			-			-			-			-			-			-		
	MST132-T3	-			-			-			-			-			-			-			-			-		
Rasmussen Creek, below Enoch Valley Mine	MST133	-			7900			-			-			260			-			-			120			-		
Rasmussen Creek, below West Pond Creek	MST134	-			-			-			-			-			-			-			-			-		
Rasmussen Creek, above West Pond Creek	MST135	-			-			-			-			-			-			-			-			-		
Rasmussen Creek headwaters, near Enoch Valley Mine Shop Pond	MST136	-			-			-			-			-			-			-			-			-		
East Fork Lone Pine Creek, below Wooley Valley Mine	MST226	-			-			-			-			-			-			-			-			-		
Blackfoot River, below Spring Creek	MST229-avg	-			3500			-			-			310			-			-			23			-		
	MST229-R1	-			3500			-			-			300			-			-			23			-		
	MST229-R2	-			3500			-			-			320			-			-			23			-		
	MST229-R3	-			3400			-			-			320			-			-			22			-		
Blackfoot River, above State Land Creek	MST230-avg	-			3600			-			-			300			-			-			16			-		
Blackfoot River, below Woodall Mountain	MST231-avg	-			-			-			-			-			-			-			-			-		
Blackfoot River, above Blackfoot Reservoir	MST232-avg	-			2400			-			-			650			-			-			13			-		
	MST232-R1	-			-			-			-			-			-			-			-			-		
	MST232-R2	-			-			-			-			-			-			-			-			-		
	MST232-R3	-			-			-			-			-			-			-			-			-		
Little Blackfoot River, above Blackfoot Reservoir	MST234-avg	-			-			-			-			-			-			-			-			-		
	MST234-R1	-			-			-			-			-			-			-			-			-		
	MST234-R2	-			-			-			-			-			-			-			-			-		
	MST234-R3	-			-			-			-			-			-			-			-			-		

Table 19: Uncensored Sediment Analytical Historical Data (mg/kg, dw) continued

		Potassium									Sodium									SO4								
Station		**1998**			**1999**			**2000**			**1998**			**1999**			**2000**			**1998**			**1999**			**2000**		
Name	**ID**	**Sept.**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**May**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**May**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**Sept.**	**RL**	**Flag**	**May**	**RL**	**Flag**
Meadow Creek, above Blackfoot Reservoir	MST235-avg	-			1300			-			-			270			-			-			19			-		
	MST235	-			1300			-			-			280			-			-			19			-		
	MST235-D	-			1200			-			-			250			-			-			19			-		
Stewart Creek, above Diamond Creek	MST236-avg	-			6400			-			-			340			-			-			12			-		
	MST236-R1	-			6700			-			-			340			-			-			12			-		
	MST236-R2	-			6500			-			-			360			-			-			12			-		
	MST236-R3	-			6000			-			-			320			-			-			12			-		
Timber Creek, above Diamond Creek	MST237-avg	-			6700			-			-			320			-			-			17			-		
	MST237-R1	-			6500			-			-			310			-			-			17			-		
	MST237-R2	-			6900			-			-			340			-			-			17			-		
	MST237-R3	-			6700			-			-			320			-			-			17			-		
Little Blackfoot River, upstream of Henry cutoff	MST254	-			-			-			-			-			-			-			-			-		
East Fork Rasmussen Creek headwaters	MST269	-			-			-			-			-			-			-			-			-		
West Fork Rasmussen Creek, above Rasmussen Creek	MST274	-			-			-			-			-			-			-			-			-		
North Fork Lone Pine Creek, Northeast and above East Fork Lone Pine Creek	MST275	-			-			-			-			-			-			-			-			-		
Tributary to West Fork Lone Pine Creek, above	MST276	-			-			-			-			-			-			-			-			-		

Notes:
All data has been reported uncensored. Laboratory duplicates (D, D1) and field replicates (R1, R2, R3) are shown as unaveraged as well as averaged where appropriate.
(a) results qualified "R" were not averaged in to the average result
Coordinates are in Geographic format (deg min decimal seconds) and use datum NAD27, except for 2001 data which uses WGS84
Data qualifier definitions are:
(U) - The material was analyzed for, but was not detected above the level of the associated value. The associated value is the sample reporting limit.
(J) - The result is an estimated quantity.
(R) - The data are unusable.
(UJ) - The material was analyzed for, but was not detected above the level of the associated value. The result is an estimate and may be inaccurate or imprecise.
RL - Reporting Limit.

APPENDIX B
Data Quality Assessment – Pre-2004 Data
1999-2000 Elk Tissue Samples

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DATA QUALITY ASSESSMENT – PRE-2004 DATA

1999-2000 ELK TISSUE SAMPLES

TECHNICAL MEMORANDUM

Final

January 14, 2010

Prepared by:

MWH AMERICAS, INC.

Prepared for:

P4 PRODUCTION, LLC

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ACRONYMS AND ABBREVIATIONS

µg/g	micrograms per gram
µg/L	micrograms per liter
A/T	Agencies and Tribes
AES	atomic emission spectrometer
BDL	below detection limit
CAS	Chemical Abstracts Service
CCV	continuing calibration verification
Cd	cadmium
CLP	Contract Laboratory Program
COA	Certificate of Analysis
COPEC	contaminant of potential ecological concern
CSM	conceptual site model
Cu	copper
DQO	data quality objectives
dw	dry weight
EDD	electronic data deliverable
EDL	estimated detection limit
Fe	iron
HRL	House Reference Liver
ICP	inductively coupled plasma
ICS	interference check standard
ICV	initial calibration verification
ID	identification
LCS	laboratory control sample
LIMS	laboratory information management system
LOAEL	lowest-observable-adverse-effect-level
MDL	method detection limit
mg/L	milligrams per liter
Mn	manganese
Mo	molybdenum
MS	matrix spike
MSD	matrix spike duplicate
MWH	MWH Americas, Inc.
NELAC	National Environmental Laboratory Accreditation Conference
NOAEL	no-observable-adverse-effect-level
NRAS	non-routine analytical services
NRC	National Research Council
P4	P4 Production, LLC
PQL	practical quantitation limit
PSQ	principal study question
QC	quality control
RA	risk assessment
RI/FS	remedial investigation/feasibility study
SDG	sample delivery group

ACRONYMS AND ABBREVIATIONS (continued)

SRM	standard reference material
SOP	standard operating procedure
Zn	zinc
TORT	lobster hepatopancreas Reference Material for Trace Metals
UIASL	University of Idaho Analytical Sciences Laboratory
USEPA	United States Environmental Protection Agency
VGICP	vapor generation inductively coupled plasma

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1.0 Introduction and Purpose

A significant amount of data associated with the P4 Production, LLC (P4) Southeast Idaho Mines was collected between 1998 and 2003, collectively referred to as the "pre-2004 data." P4 has summarized the sampling and analysis efforts related to the collection of these data in the document titled *Pre-2004 Documents and Data Review and Summary for the Historic P4 Production Phosphate Mines, Caribou County, Idaho* (MWH, 2008). The Agencies and Tribes (A/T) have requested additional information to complete an assessment of data quality as described in the *Proposed "Roadmap" for Completing an Assessment of the Quality of the Pre-2004 Data for P4 Production, LLC Mines in Southeast Idaho* (dated May 18, 2009), hereafter referred to as the Roadmap (IDEQ, 2009).

The purpose of this technical memorandum is to assess the quality of these existing analytical datasets to ensure that the type and quality of the data are appropriate for their intended end use. The intended end use for the elk muscle and liver tissue data includes qualitative and potentially quantitative evaluation in human health and ecological risk assessments. The data evaluation process described herein is consistent with the *Guidance for Quality Assurance Project Plans, QA/G-5* (USEPA, 2002) as referenced in the Roadmap (IDEQ, 2009). This technical memorandum specifically addresses the elk muscle and liver tissue collected in 1999 and 2000. Future technical memoranda will address other datasets.

The Roadmap (IDEQ, 2009) provides direction for the "Next Steps to Complete an Assessment of the Pre-2004 Data." The four steps described in the Roadmap (IDEQ, 2009) are consistent with the United States Environmental Protection Agency (USEPA) QA/G-5 guidance (UEPA, 2002). This technical memorandum addresses the first two steps: (1) determine data needs, and (2) screen data for use. P4 is seeking concurrence from the A/T with the data quality assessment provided in this technical memorandum for the elk muscle and liver tissue data prior to proceeding with the last two steps: (3) validate data, and (4) document data quality.

2.0 Background for the 1999-2000 Elk Muscle and Liver Tissue

The 1999 and 2000 elk study was a cooperative effort between the Selenium Committee and the Idaho Department of Fish and Game (IDFG). The Monsanto Company was one of six member companies of the Selenium Committee. IDFG collected elk skeletal muscle and liver tissues from hunters who harvested elk in game management units 66A and 76. The collection stations were erected near the P4 plant on Highway 34, just north of Soda Springs, and on Lower Georgetown Canyon Road near Georgetown, which overlap the central and eastern portions of the Resource Area (that is, the phosphate mines in southeast Idaho).

The Selenium Committee coordinated the analysis of the tissue samples at the University of Idaho Analytical Services Laboratory (UIASL or U of I). The purpose of the study was to determine if levels of the targeted trace elements (i.e., cadmium, copper, iron, lead, manganese, molybdenum, selenium and zinc) were elevated as a result of increased exposures related to phosphate mining, and, if so, to quantify any threat posed to human health. The information was also to be used, to the extent possible, to evaluate any threat to the health of the elk themselves (MW, 2000).

The elk tissue collection effort was planned and conducted according to the *1999-2000 Regional Investigation Sampling and Analysis Plan, Southeast Idaho Phosphate Resource Area Selenium Project* (MW, 1999). The results were presented and evaluated in the *1999 Interim Investigation Data Report, Southeast Idaho Phosphate Resource Area Selenium Project* (MW, 2000). Appendix H of the report summarizes the 1999 Elk Study Data. The 2000 elk data have not been presented in a formal report. MWH has the Certificates of Analysis (COAs) for all of the samples collected in 1999 and 2000, and all associated preparation log reports, "Quality Control" reports, raw instrument data, and electronic data deliverables.

3.0 Addressing Other Identified Concerns Prior to 4-Step Assessment

Subsequent to submitting the *Pre-2004 Documents and Data Review and Summary for the Historic P4 Production Phosphate Mines, Caribou County, Idaho* (MWH, 2008), the A/T requested P4 to assess completeness of data packages from a representative subset of pre-2004 data packages from all

project laboratories using the content items identified by the A/T. This effort was documented in the table titled "Pre-2004 Data Package Content Assessment, Selected Data Packages." Based on that assessment, the UIASL data packages appeared to be incomplete when compared to the more comprehensive data packages provided by the two commercial laboratories. Additionally, Item No. 2 on page 2 of the Roadmap (IDEQ, 2009) identified a specific concern regarding non-standard matrices. P4's responses to these concerns are provided in Sections 3.1 and 3.2.

3.1 Addressing A/T Concern Regarding Incomplete Data Packages from the UIASL

The content items listed in the table titled "Pre-2004 Data Package Content Assessment, Selected Data Packages" are listed (as applicable to the inductively coupled plasma atomic emission spectrometry [ICP] methods) in Table 1 below. The information provided in Table 1 provides a more detailed assessment of the UIASL data packages. Please note the content items specified by the A/T are based on standards developed by the USEPA Contract Laboratory Program (CLP), SW-846, and National Environmental Laboratory Accreditation Conference (NELAC). For example, "Form 1 equivalent" is a specific reference to the CLP field/laboratory sample results page and has required data fields. The information listed in Table 1 is an attempt to provide a map to or summary of where the data in the specific content item can be found in the documentation provided by UIASL. The CLP forms (or equivalent) were developed to provide a summary of the relevant data or information from the laboratory SOPs; chain-of-custody, sample-receipt, and preparation log documents; and instrument data. A summary presentation of these data is helpful in the ease-of-review of the data, but the absence of summary forms does not preclude the results from being reviewed or validated. Additionally, Table 1 provides a response to the quality control (QC) samples listed by the A/T as needed for completeness but that were not performed by UIASL (e.g., serial dilutions, interference check standards).

Table 1. Detailed Evaluation of UIASL Data Package Content

Content Item	UIASL Documents [a]	Description/Comment	Assessment/Implication
Table of Contents, pagination, sample summary (a cross-reference of field and laboratory identifications)	Not provided.	Individual data packages are generally several hundred pages long, thus these items are needed for ease of use for data reviewers and validators; having them saves time in navigating the data. Laboratories also include these elements for legal defensibility. MWH has received all available and relevant laboratory documents, and has assembled preparation and analytical batching key as presented in a more detailed electronic data deliverable (EDD or the "MWH EDD") provided as Attachment A. A cross reference of laboratory and field IDs is provided in log-in sheets.	MWH has prepared a more detailed EDD; the validators will be able to more quickly validate the data.
Case Narrative	Not provided.	A case narrative summarizes the analytical findings and identifies discrepancies with respect to the receipt, preparation, and analysis of samples, and provides a statement and/or signature of responsibility for the data report. The case narrative shows that the laboratory has maintained QA/QC for the reported results and provides accountability through the signature of an authorized person. Although a case narrative was not provided, the cover sheet to the sample data is presented on UIASL letterhead and is titled "Certificate of Analysis." The cover sheet has laboratory personnel initials and/or signatures and dates for "1st Level QC" and "2nd Level QC." The 1st Level QC was performed by the laboratory supervisor who verified results of calibration, QC samples, and client samples, and the 2nd Level QC was performed by the laboratory director who review the data presented in the COA.	The case narrative provides the reviewer with a "heads up," which gives them an idea of what to expect, but the lack of a case narrative does not prevent a validator from accurately validating the data.
Laboratory Log-in Forms	Provided.	The log-in form documents the condition of samples upon receipt at the laboratory. UIASL log-in sheets note Animal #, Sample ID, organ (muscle or liver), total weight of organ, laboratory ID, UIASL Case #, and date of sample receipt.	None.

Content Item	UIASL Documents [a]	Description/Comment	Assessment/Implication
Chain-of-Custody Forms	Provided.	The field chain-of-custody document associated with a given sample documents the life of the sample from collection to receipt at the laboratory. Chain-of-custody documents are typically initiated by the sampler. In this case, the hunters initiated the collection form provided in Appendix C of the report (MW, 2000). MWH then assembled the field IDs onto chains for submittal to laboratory. The chains-of-custody for the elk samples do not list date and time of sample collection, but the forms completed by the hunters do.	Custody is maintained from collection by the hunters to receipt by P4/MWH. P4/MWH prepared chain-of-custody documents and submitted to UIASL for receipt. UIASL accepted samples under chain-of-custody from MWH, and documented sample receipt on its sample log-in form. Chain-of-custody documents were signed by laboratory personnel (with exceptions noted following this table).
Form 1 equivalent [a]	Provided.	Form 1 requires the following items: Lab Name, SDG No., Matrix, Lab Sample ID, Date Received, date analyzed, dilution factor, % solids, units, Chemical Abstracts Service Number (CAS or CAS No.), Analyte, Concentration, and detection limit. Results are reported on a wet-weight basis.	The Lab Name, SDG No., Matrix, Lab Sample ID, Date Received; % solids (or moisture content), units, Analyte, Concentration, and estimated detection limits (EDLs) or method detection limits (MDLs) are provided as UIASL COAs (or "Case #"). CAS, dilution factor, and dry/wet weight reporting basis are not listed on the COA, but are provided in the MWH EDD.
Method or Preparation Blank Results	Not provided.	A method blank is a clean-laboratory matrix that is prepared and analyzed in a manner similar to that of the samples. The blanks that are listed on the preparation logs are not true method blanks since they were not digested. Reagent (or instrument) blanks were prepared with all the acids used to digest the samples prepared with a given batch; however, the reagent blanks were not digested. Reagent blanks were prepared and analyzed at a rate or frequency of 10% of samples.	The reagent/instrument blanks would provide all of the same information (that is, identification or presence of acid or glassware contamination) as a method or preparation blank. Blanks are clearly associated on preparation log sheets and raw instrument analytical run summaries; thus, they can be associated to field samples, and field samples can be qualified as needed. Batching is summarized in the MWH EDD.

Laboratory Control Sample (LCS) Recovery Forms [b]	Samples identified as "Lab. Blank Spike" (laboratory identifications with "BS" suffice) are UIASL laboratory control samples; however, these are not true LCSs since they were not digested.	An LCS is a clean-laboratory matrix to which is added known concentration of target analytes and is prepared and analyzed in a manner similar to that of the samples. The LCSs that are listed on the preparation logs are not true LCSs since they were not digested. The LCS Form requires the following items: Lab Name, SDG No., LCS Source, True and Found Concentrations, percent recovery (%R), and acceptance limits. The LCSs (also referred to as fortified blanks or blank spikes) were prepared with all the acids used to digest the samples prepared with a given batch; however, as with the blanks above, the blank spikes were not digested. The UIASL blank spikes were prepared and analyzed at a rate or frequency of 10% of samples.	The Lab Name and SDG No. are documented on the preparation forms. The %Rs are documented on the COAs and the MWH EDD. The acceptance limits are specified in the SOPs. The True Concentrations are documented in the raw data. Since the UIASL blank spikes are not true LCS, this represents uncertainty with respect to controlling the batch based on a prepared, clean-laboratory spike (also note that the ICP blank was spiked with all target analytes but the recovery of only cadmium was calculated and reported). However, completeness of digestion and documentation of acceptable recoveries on representative matrix can be evaluated using the Standard Reference Material (SRM) data.
Matrix spike/matrix spike duplicate (MS/MSD) Forms [b]	Not provided.	UIASL analyzed triplicates and MS instead of MS/MSD. MS/MSD Form requires Lab Name, SDG No., Matrix, % Solids; Control Limit, Spiked Sample Result, Sample Result, and Spike Added, and %R. The Lab Name, SDG No., Matrix, Spiked Sample Result, and Spiked Result are documented on the preparation forms. % Solids (moisture content) is documented on the COA. The %Rs are documented on the COAs. The Spike Added, Control Limits, and %Rs are documented in the MWH EDD. Control Limits for MSs are not specified in the SOPs or other laboratory documentation.	Lack of a specified acceptance criterion does not preclude establishing a validation criterion for qualification of associated data. The spike concentrations are near the median detected concentration of the samples, so are representative of the sample media.
Analytical Run Logs	Not provided.	Analytical run logs is a time sequence of the analysis of laboratory instrument QC samples (calibration and instrument blanks) and prepared ("prep") samples (field samples and	The analytical dates/times for all calibration, laboratory QC samples, and field samples are recorded on the raw data

		batch QC samples). UIASL batch sheets provide information on the prep batch and laboratory instrument QC samples. The raw data packages include a summary of the analytical run sequence. (Note: The "Ref." on the COA contains date and time information, which is not the analytical run time, but rather the date/time the instrument data were uploaded to the laboratory's information management system.)	and are documented on the MWH EDD.
Initial Calibration and Calibration Blanks	Calibration was performed but results were not summarized on forms. Additionally, where two-point calibration was performed for ICP (as discussed in the next column), calibration parameters were not provided in the raw data, so were not available to be summarized on forms.	The initial calibration for vapor generation inductively coupled plasma atomic emission spectrometry (VGICP) and ICP is established from the analysis of a calibration blank and one or more calibration standards at varying concentrations; the high concentration standard establishes the working linear range of the instrument. The slopes and intercepts of 2-point calibration curves and the correlation coefficients for the multipoint calibration curves were not summarized on forms. With the exception noted below, the results of initial calibration are documented on the raw data. *Selenium by VGICP* The laboratory procedure was as follows: • Correlation coefficient (r) was determined from a three-point calibration (blank, 50, and 300 μg/L). • The r value was recorded on the raw instrument data. • Laboratory used an acceptance limit of r ≥ 0.995. • Initial calibration was rerun if r < 0.995. • If r ≥ 0.995, then a calibration factor determined from the linear regression was used to determine sample concentration based on instrument response. *Heavy metals by ICP* For samples analyzed between 2	

		December 1999 and 15 February 2000, the ICP software did not record the slope and intercept for the two-point calibration on the raw data. The laboratory procedure was as follows: • A two-point calibration was established per Section VI.I of SOP SMM.52.0101.01 (blank and 1-5 μg/L (depending on metal). • A slope and intercept were calculated but were not recorded on the raw instrument data. • Instrument responses and reported concentrations can be used to verify a recalculated slope and intercept. For samples analyzed between 13 December 2000 and 24 January 2001, the ICP software automatically recorded the initial calibration correlation coefficient on the raw data. The laboratory procedure was as follows: • A three-point calibration was established using a blank, and 0.2, and 2 or 20 mg/L standards (depending on analyte). • Laboratory used an acceptance criterion of r ≥ 0.995. • Initial calibration was rerun if r < 0.995. The laboratory analyzed a blank to establish initial calibration. Reagent (or instrument) blanks were prepared with all the acids used to digest the samples prepared with a given batch. Reagent blanks were prepared and analyzed at a frequency of 10% of samples.	ICP: Sample results obtained from daily two-point calibration generated during this timeframe can be verified by the data validators using the example calculation provided in Attachment B.
Initial Calibration Verification (ICV)	Not performed.	ICV are instrument standards that are analyzed subsequent to the initial calibration. These standards are prepared from a traceable reference material that is from a different source ("second source") as that used to establish the standards used in the initial calibration. The UIASL SOPs do not specify ICV, and ICVs were not analyzed.	An ICV from a second source provides data that ensures that the standards used for the initial calibration were prepared correctly or were not otherwise compromised. As such, the lack of a second-source standard to verify the initial calibration may mean that the

			calculated sample concentrations are inaccurate. However, UIASL analyzes SRM, and the SRM are within control limits for accuracy, which provides assurance that the initial calibration standards have not been compromised.
Continuing Calibration Verification (CCV)	Performed (identified as "CS" or "check standards" on COAs and raw data) but results were not summarized on forms.	The laboratory analyzed a mid-level concentration CCV to verify calibration. CCVs were analyzed at a frequency of 10%. The %Rs for the CSs are not summarized on a form, but are documented on the COAs and are hand-marked on the raw data packages.	Acceptance criteria are not specified in the SOPs or other laboratory documentation; lack of a specified acceptance criterion does not preclude establishing a validation criterion for qualification of associated data.
ICP Interface Check Sample Recoveries	Not performed.	An interference check standard (ICS) is a standard that contains known concentrations of interfering elements that will provide an adequate test of the correction factors used to address spectral interferences. The UIASL does not specify ICS in the SOPs, and ICSs were not analyzed. The VGICP used at the time of analysis of the 1999-2000 was dedicated to selenium analysis, and did not incorporate interelement correction equations; however, output provided for negative values. The ICP instruments used at the time of analysis of the 1999-2000 elk study incorporated interelement correction equations and output provided for negative values.	VGICP: Per Dr, McGeehan, "Given that the chemistry of the hydride formation is highly selective for Se, I don't see this as a limitation of the validity of the data. The only significant interference for Se by hydride that I'm aware of is As." (McGeehan, 2009a).[c] ICP: Per Section 4.2.10 of EPA Method 6010C, "When interelement correction is not used, verification of absence of interference is required," and per Section 7.8, "If the particular instrument will display overcorrection as a negative number, this spiking procedure will not be necessary." Thus, the absence of ICSs does not impact data quality.
Matrix Duplicate	Provided (as triplicates identified with "-1, -2, and -3" suffices).	For each preparation batch, one field sample was selected for triplicate preparation and analysis. Results are reported on COAs, but the relative standard deviations (RSDs) are not calculated or summarized on a form.	Control Limits for replicates are not specified in the SOPs or other laboratory documentation; lack of a specified acceptance criterion does not preclude establishing a validation criterion for

			qualification of associated data.
Serial Dilution % Differences	Not performed.	Serial dilutions are run to assess sample matrix effects on measurements. For CLPO, one serial dilution is run per batch of analyses. A serial dilution can be performed if the results of MS/MSD are not within control limits. If serial dilution analysis is performed as a result of failing MS/MSD, and does not pass acceptance criterion, then a sample matrix effect for affected target analytes is established. The UIASL SOPs do not specify serial dilution samples and serial dilution samples were not analyzed.	The absence of serial dilution does not preclude qualification of associated field samples based on failing MS/MSD. In the case of elk data, if MS/MSD %R are outside Functional Guideline control limits, and post-digestion spike sample results are not available, associated field results could be flagged based on MS/MSD %Rs.
Low-level Check Standard	Not performed.	Low-level check standard is an instrument standard that contains target analytes at concentration at or near the reporting limits. Low-level check standards were not performed.	The CSs are functionally low-level check standards because they were spiked at concentrations approximately 10 times the EDL. Results are reported on COAs and summarized in the MWH EDD. Control Limits for check standards are not specified in the SOPs or other laboratory documentation; lack of a specified acceptance criterion does not preclude establishing a validation criterion for qualification of associated data.
MDLs and PQLs or RLs	MDLs not performed in 1999; MDLs provided in 2000. RLs not provided.	In 1999, UIASL reported EDLs, which are equivalent to instrument detection levels. MDLs were not developed for tissue samples until 2000 (specifically, sample results in UIASL Case Nos. ENV99-01 and ENV99-03 were reported with EDLs, and results in UIASL Case Nos. EOT00-04, ENV00-01, ENV00-04, and ENC00-01 were reported with MDLs). The EDLs are less than approximately 1 to 2 orders of magnitude of the concentrations spiked in the check standards. In 2000, the laboratory reported an MDL of 0.01 μg/g for selenium and 0.025 μg/g for cadmium. The MDLs reported in 2000 were developed using biotic tissue per UIASL SOP.15.008.04 (see Section 3.2 and SOP provided in	The implication of using instrument detection levels could be evaluated at Step 4 of the data assessment process (see additional discussion in Section 3.2 of this Tech Memo).

		Attachment C).	
Standard Reference Material (SRM)	Provided (identified as "TORT" samples); in-house reference material (indentified as "HRL") also provided.	When commercially available, UIASL analyzed TORT, which is externally-supplied (outside vendor) certified SRM. At a rate of 10% of samples, UIASL analyzed internally-prepared reference material identified as "House Reference Liver" (or HRL)[d]. Known or reference concentrations and recoveries for TORT (analyzed when available) and HRL samples are summarized on the Quality Control forms.	The spike amounts for Se, Mo, Zn, Mn, Fe, and Cu in the HRL were approximately at the detected concentrations in the field samples. The spike amounts for Cd and Pb were 100 times the detected concentrations in the field samples.

[a] At the time of analysis and reporting, it was not requested that the laboratory provide full data packages; thus, the laboratory packages consisted only of the COAs, which are paginated. Many COAs were presented with full signature by laboratory personnel, but some had only initials of laboratory personnel. The reports were not assembled with case narratives, chain-of-custody documents, or copies of raw data, so there was no a table of contents or pagination that included these documents. MWH requested chain-of-custody documents, preparation logs, and raw instrument data; UIASL provided all requested documents. A case narrative was not standard practice for the laboratory, so none is available.

[b] Required items such as Contract, Lab Code, Case No., NRAS No, and other CLP-specific coding are USEPA-CLP specific items that are not necessary if work is not performed for CLP so are not listed here.

[c] Spectral and matrix interferences are rare because selenium is volatilized and separated from the sample matrix prior to analysis (thus the material that is analyzed contains little that would interfere with selenium). Arsenic is the only known interferant in the measurement of selenium by ICP hydride. The interference from arsenic is physical rather than spectral. The physical interference is from hydride-formation, which can suppress the signal, resulting in potentially biased low results for selenium. This phenomenon would occur only in the presence of relatively high concentrations of arsenic (Mindak et al, 1999). During the period when the elk tissues were analyzed, arsenic was not spiked in the HRL. However, in subsequent years, the HRL was spiked with arsenic at concentration of 48 μg/g, and UIASL routinely runs other SRM (NRC-TORT) which contains 21 μg/g arsenic. UIASL has documented no interference problem with selenium recovery using either of these reference materials.

[d] Preparation of HRL: bovine liver was obtained from the Washington State University School of Veterinary Sciences. A large quantity of the liver was lyophilized, completely homogenized, and spiked with the analytes of interest. Spike concentrations were based on normal and elevated values observed in liver samples analyzed as part of the UIASL Veterinary Toxicology program over a 10 year period. The spiked liver samples were thoroughly homogenized again and analyzed on a properly calibrated instrument. Acceptance ranges (plus or minus 2 standard deviations) were based on a minimum of 10 replicates.

The following summarizes the deficiencies or non-standard laboratory practices that contribute to uncertainty with respect to the quality of the elk tissue data:

- A subset of chain-of-custody documents did not have "Relinquished By" and/or "Received By" signature(s).
- At the time of analysis and reporting, it was not requested that the laboratory provide full data packages; thus, the laboratory packages consisted only of the COAs, which are paginated. Many COAs were presented with full signature by laboratory personnel, but some had only initials of laboratory personnel. The reports were not assembled with case narratives, chain-of-custody documents, or copies of raw data, so there was no a table of contents or pagination that included these documents. MWH requested chain-of-custody

documents, preparation logs, and raw instrument data; UIASL provided all requested documents. A case narrative was not standard practice for the laboratory, so none is available.

- The UIASL SOPs do not state initial or continuing calibration acceptance criteria. Acceptance criteria for initial calibration data have been provided by UIASL and are summarized in Table 1.
- Laboratory blanks and fortified blanks (or LCSs) were not processed through the exact same procedure as the field and other laboratory QC samples. The exception is that they were not digested.
- MDLs were not established for the samples prepared, analyzed, and reported in 1999. Rather, those data were reported with UIASL EDLs (i.e., instrument detection limits).
- The laboratory did not provide an analytical run log summary.
- Interference check standards were not analyzed.
- There was an instrument error in acquisition run date and time of analysis for samples in batch HMICP_12-28-99 (reported in ENV99-01). The raw data contains the wrong date and time of analysis (the actual date of analysis is 2/24/00; actual times are unknown).
- UIASL did not have established control limits for matrix spike samples.
- The "known" concentrations reported by UIASL for the internally-prepared HRL were not verified by an external source.
- The concentration of cadmium and lead in the UIASL House Reference Liver were approximately 100 times greater than the concentrations detected in the field samples.
- UIASL no longer retains the documentation of (a) the prepared HRL used, or (b) the MDL study data obtained during the period that the elk tissue samples were analyzed.

3.2 Addressing A/T General Observation for Samples with Non-Standard Matrices

The A/T requested P4/MWH to address the following concern regarding nonstandard matrices prior to working through the first step of the assessment:

> The biota matrix extraction/digestion information for all labs needs further evaluation. P4 should evaluate the biota sample extraction/digestion preparation procedures and the associated QC to determine if data validation is possible. This is needed to ensure that the recovery of the compounds of concern was appropriate (for example, was there sufficient extraction/digestion from the site sample into the solvent media that is run through the instrument). With nonstandard matrices, it is quite common that the compounds/analytes of

> concern are not sufficiently recovered into the sample that is being measured. As a result, the instrument's output may meet the project/laboratory QC criteria but the final result is not representative of the site sample.

P4 has evaluated the extraction/digestion preparation procedure and associated QC samples and has determined that data validation is possible. The following laboratory SOPs (provided as Attachment C) specify detailed information on preparing and digesting tissue samples and method validation:

- UIASL SOP SMM.52.080.05: Total Selenium in Biological Tissue by Vapor Generation ICP (VGICP).
- UIASL SOP SMM.52.010.01: Heavy Metals in biological Tissue by ICP.
- UIASL SOP.15.008.04: Procedures for Organic EPA Method Validation (UIASL confirmed that the SOP also applies to inorganic methods).

The preparation log sheets for each method follow one-to-one the preparation steps listed in Sections V (Sample Preparation) of the VGICP and ICP SOPs. Using selenium analysis by VGICP as an example, the SRM were spiked at 100 times the EDL (or 0.5 μg/g compared to the EDL of 0.005 μg/g). The SRM spike level is similar to the lower range of detection of selenium in one randomly selected batch (laboratory samples E9901907 through E9901924 for elk liver) of 0.26 to 4.7 μg/g (none in this batch were not detected). There are a sufficient number of SRM results to evaluate statistically to establish an after-the-fact level of detection for biota. This analysis could be performed during Step 4 of the assessment.

The current Director of UIASL, Steven McGeehan, Ph.D., responded to the A/T concern as follows:

> We analyze hundreds of these sample types each year as part of our Veterinary Toxicology program. We also collaborate with several other vet-tox labs across the country on Se methodology (including sample preparation, digestion, and instrumentation). I am quite confident in stating that the digestion preparation procedure was more than adequate to insure complete recovery of Se in the sample being measured (McGeehan, 2009b).

These inter-laboratory veterinary toxicology data could also be evaluated and presented at Step 4.

4.0 Addressing Next Steps to Complete an Assessment of the Pre-2004 Data

The section of the Roadmap titled "Next Steps to Complete an Assessment of the Pre-2004 Data" identified the following four steps for assessing the pre-2004 data (IDEQ, 2009):

1. Determine data needs
2. Screen data for use
3. Validate data
4. Document data quality

The first two steps are evaluated in Sections 4.1 and 4.2 of this Technical Memorandum.

4.1 Determine Data Needs

The intended use of the elk tissue data is to support the remedial investigation/feasibility study, including risk assessment and any informed risk management decisions by determining if past P4 mining activities are impacting human health by elk tissue consumption; to determine if elk are affected by past P4 mining activities, or if other ecological receptors are being affected by elk tissue concentrations (and thereby, P4's past mining activities). The elk tissue data represents one line of evidence and will be evaluated in conjunction with other lines of evidence (e.g., screening levels, action levels, and/or predicted concentrations based on soil or vegetation concentrations and standard exposure models) during the evaluations of human health and ecological risk assessments. Specifically, the 1999-2000 elk tissue data could be used as follows:

- Human Health Risk Assessment: The elk tissue data could be used in a qualitative and/or quantitative evaluation of human health risks in a baseline human health risk assessment. Specifically, concentrations of trace metals, including cadmium and selenium, in elk liver and muscle tissue could be used to model hypothetical exposures in humans who consume elk harvested from areas in and around P4's Ballard, Henry, and Enoch Valley mines. Modeled exposure doses of trace metals in humans through elk tissue consumption could be compared to non-cancer reference doses (RfDs) to calculate non-cancer hazard quotients (HQs). Calculated HQs could be compared to EPA's acceptable HQ criterion of 1 to evaluate whether predictive human health exposures based on elk tissue data exceed the generally accepted human health hazard criteria. Conclusions regarding potential human health risks associated with the consumption of elk tissues harvested from the vicinity of

P4's Ballard, Henry, and Enoch Valley mines will be based on multiple lines of evidence potentially including, but not limited to, comparison of elk tissue concentrations to screening levels, action levels, and/or predicted concentrations based on soil or vegetation concentrations and standard exposure models. Conclusions drawn from multiple lines of evidence in the human health risk assessment will be used in risk management decisions regarding the mines.

- Ecological Risk Assessment: The elk tissue data could be used in a qualitative evaluation of ecological risks in a screening-level ecological risk assessment. Specifically, concentrations of trace metals, including cadmium and selenium, in elk liver and muscle tissue could be compared to published concentrations of these trace metals in the tissue of similar organisms (e.g., wild ungulates or livestock) that represent a no-observable-adverse-effect-level (NOAEL) or a lowest-observable-adverse-effect-level (LOAEL). If concentrations of trace metals in elk liver or muscle tissue exceed LOAEL concentrations of these trace metals in such organisms, then it could be concluded that there is a potential for ecological risks to ungulates, including elk, associated with foraging on P4's Ballard, Henry, and Enoch Valley mines. Such conclusions will be based on multiple lines of evidence potentially including, but not limited to, comparison of measured elk tissue concentrations to tissue-based screening levels, action levels and/or tissue concentration measured in livestock (e.g., horses, cattle, sheep) associated with poisoning episodes within the Southeast Idaho Phosphate Resource Area. Conclusions drawn from multiple lines of evidence in the ecological risk assessment will be used in risk management decisions regarding the mines.

Data needs were determined using systematic planning using the EPA DQO process (EPA QA/G4 guidance, data quality objectives process). In this case, the DQO's are used to guide decisions on whether existing data are of the appropriate type and quality to support specific intended uses (risk assessment, site characterization, data gap analysis, or scoping).

Table 2. Elk Tissue Data Quality Objectives

Step 1 -State the Problem	Levels of targeted trace elements may be elevated in elk tissue as a result of increased exposures related to phosphate mining. The quantified threat to human health or the environment, if any, is not well defined.
Step 2 – Identify the Goals of the Study	<u>Principal Study Question 1 (PSQ1):</u> Are sufficient elk tissue COPC concentrations data available to characterize the nature and extent of trace mineral exposures in large mammals (e.g., ungulates) foraging within the Southeast Idaho Phosphate Resource Area, in support of P4 remedial investigation/feasibility study (RI/FS) activities? <u>Alternative actions:</u> 1. No action. Existing data are of adequate quality and quantity to characterize trace mineral exposures to ungulates associated with phosphate mining within the Southeast Idaho Phosphate Resource Area. 2. Collect elk tissue data to provide additional COPC and spatial coverage. <u>Decision statement:</u> Decide whether sufficient data (number of elk tissue samples and spatial coverage) are available to adequately characterize the nature and extent of elk tissue contamination at potential source areas. <u>Principal Study Question 2 (PSQ2):</u> Are data sufficient to determine if risk-based screening levels and/or action levels for human health and ecological receptors are exceeded within portions of the Southeast Idaho Phosphate Resource Area impacted by phosphate mining, including the P4 mines? <u>Alternative actions:</u> 1. No action. Elk tissue data are sufficient and risk screening indicates that COPC's do not pose a risk. 2. Some COPC concentrations exceed risk-based screen levels; carry COPCs that exceed screening levels into a baseline RA. <u>Decision statement:</u> Decide what additional elk tissue data are needed so that comparisons can be made to appropriate human health and/or ecological screening levels. <u>Principal Study Question 3 (PSQ3):</u> Are elk tissue data sample numbers and coverage sufficient to support analyses in the baseline human health risk assessment (RA) and feasibility study (FS) (for example, were elk harvested in portions of the Southeast Idaho Phosphate Resource Area impacted by phosphate mining that could result in human health risk if consumed)? <u>Alternative actions:</u> 1. No action. Existing data are of adequate quality and coverage to conduct a baseline RA for the P4 mines. 2. Collect additional elk tissue data to provide supporting data for RA and FS analyses.

	Decision statement: Decide whether sufficient tissue COPC and coverage data are available to support baseline RA and FS studies and collect additional data, as needed.
Step 3 – Identify Information Inputs	The information inputs for the decision process includes that following items that may exist or will need to be collected – • list of COPCs • conceptual site models • sample location maps (spatial coverage of existing data) • laboratory quality information • risk-based screening benchmarks for COPCs • elk tissue COPC data (existing; use of existing data will be dependent upon evaluations of data usability and data validation)
Step 4 – Define the Boundaries of the Study	Spatial boundaries: • Spatial delineation of all existing harvest locations: • Elk harvested from Game Management Units 66A and 76, including potentially impacted and non-impacted elk, during the cooperative elk study performed by the Selenium Committee and IDFG. Temporal boundary: • Existing tissue data from elk hunting seasons in 1999 and 2000.
Step 5 – Develop the Analytical Approach	The analytical methods used to process elk tissue samples are as listed as follows: • Total selenium in biological tissue by VGICP • Heavy metals in biological tissue by ICP
Step 6 – Specify Acceptance Criteria	Data will be validated to the extent possible, with any qualifiers assigned. Use of data will be limited to the restrictions of qualifiers, if any.
Step 7 – Develop the Plan for Existing Data	Existing elk tissue data will be evaluated for quality and intended final use by reviewing laboratory quality data and risk assessment needs. Validation will proceed upon A/T acceptance of quality evaluation and intended final use.

4.2 Screen Data for Use

This section presents the screening assessment as outlined in as Step 2 of the Roadmap (IDEQ, 2009).

As suggested in the Roadmap (IDEQ, 2009):

> This screening/assessment can be documented in a report consisting of introductory text, a summary table, and review worksheets. The summary table should contain the following information:
>
> - Pre-2004 data episode
> - Analytical laboratory
> - Matrix
> - Target analytes
> - Detection limits
> - Action levels
> - Description of spatial coverage
> - Other relevant comments or notes on the parameters per the DQOs
> - A final column indicating whether the data passes for the next step of the assessment

The technical memorandum provides the introduction and the summary table is provided as Table 3. Instead of providing review worksheets, the analytical data, including preparation and analytical batching information, are consolidated in the MWH EDD provided as Attachment A.

Table 3. Screening Summary for the 1999-2000 Elk Tissue Data

Pre-2004 Data Episode:	1999-2000 Elk Liver and Muscle Tissue
Analytical Laboratory:	University of Idaho Analytical Sciences Laboratory (UIASL) Holm Research Center Moscow, ID 83844-2203 (208) 885-7900 Point of Contact: Janet Snow (jsnow@uidaho.edu) 208/885-5809 Laboratory Director: Steven McGeehan, Ph.D.
Matrix:	Biota (muscle and liver tissue)
Target Analytes and Detection Limits:	

Analyte	EDL/MDL, μg/g (wet wt)	Instrument	UIASL SOP
Selenium	0.005/0.01	VG ICP	SMM.52.080.05
Molybdenum	0.09/0.10	ICP	SMM.52.010.01
Zinc	0.01/0.10	ICP	SMM.52.010.01
Cadmium	0.02/0.10	ICP	SMM.52.010.01
Lead	0.23/0.50	ICP	SMM.52.010.01
Manganese	0.01/0.10	ICP	SMM.52.010.01
Iron	0.04/0.50	ICP	SMM.52.010.01
Copper	0.03/0.10	ICP	SMM.52.010.01

EDL - estimated detection limit
VGICP - Vapor Generation ICP

	ICP - Inductively Coupled Plasma Atomic Emission Spectrometer
Analytical Package Summary:	UIASL Case # / UIASL Sample ID Ranges ENV99-01 E9901644 through E9901850 ENV99-03 E9901891 through E9902009 EOT00-04 E0001553 through E0001620 ENV00-01 E0001643 through E0001728 ENV00-04 E0001771 through E0001812 ENC00-01 E0001845 through E0001848
Action Levels:	None were designated in the 1999 Interim Investigation Data Report, Southeast Idaho Phosphate Resource Are Selenium Project (MWH, 2000). However, available risk-based values protective of human health consumption of harvested deer as derived by the Texas Department of State Health Services, and measured concentrations of trace minerals in deer harvested from impacted and non-impacted areas of Texas, Louisiana and Oklahoma have been compiled (refer to Attachment D). As indicated in Attachment D, with one exception for lead, the EDLs and MDLs for the eight primary trace minerals are below available risk-based values for ungulates (e.g., deer) published by the Texas Department of State Health Services (2006), as well as measured concentrations in muscle and liver tissue samples in deer harvested from the Caddo Lake NWR, Texas. The Baseline Mineral Content in Deer for lead in kidney tissue is 0.10 to 0.90 mg/kg; whereas, the EDL and MDL for lead (0.23 and 0.50 mg/kg, respectively) are greater than the lower range. In regard to future risk screening, no-observable-adverse-effect-levels and low-observable-adverse-effect-levels will be used for human health and ecological risk screening.
Description of Spatial Coverage:	Game Management Units 66A and 76. Unit 66A—Those portions of Bonneville and Caribou counties within the following boundary: beginning on the McCoy Creek Road (Forest Service Road 087) at the Idaho-Wyoming State line, west on McCoy Creek Road through Herman to the Bone Road, then south on the Bone Road to State Highway 34, then east on State Highway 34 to the state line, then north along the state line to the point of beginning. Unit 76—Those portions of Bear Lake and Caribou counties within the following boundary: beginning at U.S. 89 on the Idaho-Utah State line, then north to Montpelier, then north on U.S. 30 to Soda Springs, then northeast on State Highway 34 to the Idaho-Wyoming State line, then south on the Idaho-Wyoming State line to the Idaho-Utah State line, then west on the Idaho-Utah State line to U.S. 89, the point of beginning.
Spatial Relevance:	Reference: 1999 Interim Investigation Data Report, Southeast Idaho Phosphate Resource Area Selenium Project (MWH, 2000). As indicated in the reference document, IDFG determined a home range for elk of approximately 600 square miles (equivalent to the area of all mines plus 10 miles from any mine boundary). For purposes of data collection, tissue samples from elk harvested further than 10 miles from any phosphate mine boundary were designated as control samples, listed in Table 4-7 of the report as “before-the-fact treatment” control samples (“treatment” referring to statistical treatment; Table 4-7 is provided as Attachment E). Tissue samples collected from elk harvested within 10 miles of any mine boundary were designated as mine samples, listed in Table 4-7 of the report as “before-the-fact treatment” mine samples. The data were then statistically evaluated, and reclassified as “after-the-fact treatment” control or mine samples, as listed in Table 4-7 of the report. The elk tissue data collected in 2000 were not presented in a published report;

	however, they were statistically evaluated and reclassified as "after-the-fact treatment" control or mine samples in the same manner as the 1999 elk tissue data. In summary, a 10-mile radius was not arbitrarily applied to categorize elk tissue samples as control or mine-related. Additional details regarding determination of the elk tissue study area are as follows: • In the baseline elk study conducted by the IDFG in the late 1970s and early 1980s (Kuck 1984a, 1984b), home ranges for elk were best described as "elliptical polygons." Kuck (1984a, 1984b) reported substantial variation between individuals and years. However, the median year-around home range for elk was reported as 26 square miles, with a mean migration distance between summer and winter range of 4.1 miles. • The Selenium Committee used this IDFG information to initially classify any elk harvested at a distance of 10 or more miles from any phosphate mine as controls. This distance was derived as follows from the information provided by Kuck (1984a, 1984b): the 26 square mile home range was assumed to be circular with a resulting diameter of 5.8 miles, and the average migration distance of 4.1 miles was added to the diameter to obtain a distance of 9.9 miles; this value was rounded up to 10 miles. It was assumed that any elk killed at this or greater distance from any phosphate mine is likely to have never been substantially exposed to seleniferous forage grown on phosphate waste rock dumps. • In An Evaluation of the Effects of Selenium on Elk, Mule Deer, and Moose in Southeastern Idaho, Kuck (2003) reported a median winter home range for elk equal to 5.5 square miles, and a median summer home range for elk equal to 10.6 square miles. The median year-round home range for elk was reported as 26 square miles. • Elk tissue samples harvested further than 10 miles from any phosphate mine boundary were designated as control samples, listed in Table 4-7 of the report as "before-the-fact treatment" control samples ("treatment" referring to statistical treatment). The data were then statistically evaluated, and reclassified as "after-the-fact treatment" control or mine samples, as listed in Table 4-7 of the report.
Indicate whether the data passes for the next step of the assessment:	Yes, all data should be process through Step 3 (data validation) of the Roadmap (IDEQ, 2009).

5.0 Path Forward

If the A/T concur with the assessments presented herein for Steps 1 and 2 (determine data needs and screen data for use), P4 will prepare data validation report templates for the VGICP and ICP methods. Once the templates are reviewed and approved, a third-party data validation firm will validate the data per the criteria documented on the templates and provide written reports and

electronic flagged data for uploading to the P4 project database. P4 will then proceed with Step 4 (document data quality) of the Roadmap (IDEQ, 2009).

The following excerpts are extracted from EPA's 1992 Guidance for Data Usability in Risk Assessment (Part A) - Final:

- Data are almost always useable in the risk assessment process, as long as the uncertainty in the data and its impact on the risk assessment are thoroughly explained.
- The analytical data objective for baseline risk assessments is that uncertainty is known and acceptable, not that uncertainty be reduced to a particular level.
- Uncertainties in toxicological measures and exposure assessment are often assumed to be greater than uncertainties in environmental analytical data; thus, they are assumed to have a more significant effect on the uncertainty of the risk assessment.
- Sampling variability typically contributes much more to total error than analytical variability.
- Field methods can produce legally defensible data if appropriate method QC is available and if documentation is adequate.
- Qualified data can usually be used for quantitative risk assessment.
- Use data qualified as U or J for risk assessment purposes.
- The primary planning objective is that uncertainty levels are acceptable, known and quantifiable, not that uncertainty is eliminated.

Further, the EPA acknowledges in its guidance that uncertainties in the analytical data typically pale in comparison to uncertainties in other portions of the risk assessment, including the exposure assessment and toxicity information (Section 2.1.4, USEPA, 1992).

6.0 References

Idaho Department of Environmental Quality (IDEQ). 2009. *Proposed "Roadmap" for Completing an Assessment of the Quality of Pre-2004 Data for P4 Production, LLC Mines in Southeast Idaho*. Technical Memorandum prepared by the Agencies/Tribes. May 18.

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Kuck, L., ed. 1984a. *Cooperative wildlife-phosphate study. Phase I: Baseline studies. Final Report.* Idaho Department of Fish and Game, Boise.

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McGeehan, 2009a. Email communication from Steven McGeehan, Ph.D., Laboratory Director, University of Idaho Analytical Services Laboratory, to Ruth Siegmund, MWH. August 13.

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ATTACHMENT A

MWH EDD – 1999-2000 Elk Tissue Data

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ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
SELENIUM BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV99-01P	E9901647S1	TORT-2	Tissue	SRM	7782-49-2	Selenium	5.800	0.005	EDL	ug/g	Wet Wt	1	5.63	103	11/2/1999	ICP, Hydride	VGICP_11-29-99	1129semw	11/22/1999	11/29/1999	1207
ENV99-01P	E9901647SR	House Ref. Liver	Tissue	HRL	7782-49-2	Selenium	0.470	0.005	EDL	ug/g	Wet Wt	1	0.446	105	11/2/1999	ICP, Hydride	VGICP_11-29-99	1129semw	11/22/1999	11/29/1999	1209
ENV99-01P	E9901647	101-9-007510	Liver	Triplicate	7782-49-2	Selenium	1.300	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_11-29-99	1129semw	11/22/1999	11/29/1999	1212
ENV99-01P	E9901647-2	101-9-007510	Liver	Triplicate	7782-49-2	Selenium	1.400	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_11-29-99	1129semw	11/22/1999	11/29/1999	1215
ENV99-01P	E9901647-3	101-9-007510	Liver	Triplicate	7782-49-2	Selenium	1.300	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_11-29-99	1129semw	11/22/1999	11/29/1999	1218
ENV99-01P	E9901647MS	101-9-007510-MS	Liver	MS	7782-49-2	Selenium	80			%	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_11-29-99	1129semw	11/22/1999	11/29/1999	1221
ENV99-01P	E9901652	101-9-013229	Liver	Primary	7782-49-2	Selenium	5.500	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_11-29-99	1129semw	11/22/1999	11/29/1999	1224
ENV99-01P	E9901657	101-9-020457	Liver	Primary	7782-49-2	Selenium	1.200	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_11-29-99	1129semw	11/22/1999	11/29/1999	1227
ENV99-01P	E9901673	101-9-057366	Liver	Primary	7782-49-2	Selenium	3.500	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_11-29-99	1129semw	11/22/1999	11/29/1999	1230
ENV99-01P	E9901690	102-9-003525	Liver	Primary	7782-49-2	Selenium	0.310	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_11-29-99	1129semw	11/22/1999	11/29/1999	1233
ENV99-01P	E9901692	102-9-008730	Liver	Primary	7782-49-2	Selenium	2.400	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_11-29-99	1129semw	11/22/1999	11/29/1999	1236
ENV99-01P	E9901713	106-9-009470	Liver	Primary	7782-49-2	Selenium	0.780	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_11-29-99	1129semw	11/22/1999	11/29/1999	1239
ENV99-01P	E9901713D	106-9-009470	Liver	Lab Duplicat	7782-49-2	Selenium	0.770	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_11-29-99	1129semw	11/22/1999	11/29/1999	1241
ENV99-01P	E9901713B	Laboratory Blank	Lab QC	BLANK	7782-49-2	Selenium	-0.000445	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_11-29-99	1129semw	11/22/1999	11/29/1999	1244
ENV99-01P	E9901713CS	Check Standard	Lab QC	CS	7782-49-2	Selenium	0.054	0.005	EDL	ug/g	Wet Wt	1	0.05	108	11/2/1999	ICP, Hydride	VGICP_11-29-99	1129semw	11/22/1999	11/29/1999	1247
ENV99-01P	E9901713BS	Lab. Blank Spike	Lab QC	BS	7782-49-2	Selenium	103			%	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_11-29-99	1129semw	11/22/1999	11/29/1999	1250
ENV99-01P	E9901713SR	House Ref. Liver	Tissue	HRL	7782-49-2	Selenium	0.450	0.005	EDL	ug/g	Wet Wt	1	0.446	101	11/2/1999	ICP, Hydride	VGICP_11-29-99	1129semw	11/22/1999	11/29/1999	1253
ENV99-01P	E9901715	107-9-001328	Liver	Primary	7782-49-2	Selenium	0.390	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_11-29-99	1129semw	11/22/1999	11/29/1999	1256
ENV99-01P	E9901718	107-9-008536	Liver	Primary	7782-49-2	Selenium	0.380	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_11-29-99	1129semw	11/22/1999	11/29/1999	1259
ENV99-01P	E9901722	108-9-004804	Liver	Primary	7782-49-2	Selenium	2.700	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_11-29-99	1129semw	11/22/1999	11/29/1999	1302
ENV99-01P	E9901745	101-9-007510	Muscle	Triplicate	7782-49-2	Selenium	0.110	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_11-29-99	1129semw	11/22/1999	11/29/1999	1305
ENV99-01P	E9901745-2	101-9-007510	Muscle	Triplicate	7782-49-2	Selenium	0.120	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_11-29-99	1129semw	11/22/1999	11/29/1999	1308
ENV99-01P	E9901745-3	101-9-007510	Muscle	Triplicate	7782-49-2	Selenium	0.130	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_11-29-99	1129semw	11/22/1999	11/29/1999	1311
ENV99-01P	E9901745MS	101-9-007510-MS	Muscle	MS	7782-49-2	Selenium	113			%	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_11-29-99	1129semw	11/22/1999	11/29/1999	1314
ENV99-01P	E9901752	101-9-013229	Muscle	Primary	7782-49-2	Selenium	0.400	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_11-29-99	1129semw	11/22/1999	11/29/1999	1316
ENV99-01P	E9901761	101-9-020457	Muscle	Primary	7782-49-2	Selenium	0.160	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_11-29-99	1129semw	11/22/1999	11/29/1999	1319
ENV99-01P	E9901761D	101-9-020457	Muscle	Lab Duplicat	7782-49-2	Selenium	0.160	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_11-29-99	1129semw	11/22/1999	11/29/1999	1322
ENV99-01P	E9901693	102-9-009184	Liver	Primary	7782-49-2	Selenium	1.100	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_11-29-99	1129semw	11/22/1999	11/29/1999	1325
ENV99-01P	E9901693B	Laboratory Blank	Lab QC	BLANK	7782-49-2	Selenium	-0.000998	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_11-29-99	1129semw	11/22/1999	11/29/1999	1328
ENV99-01P	E9901693CS	Check Standard	Lab QC	CS	7782-49-2	Selenium	0.049	0.005	EDL	ug/g	Wet Wt	1	0.05	98	11/2/1999	ICP, Hydride	VGICP_11-29-99	1129semw	11/22/1999	11/29/1999	1331
ENV99-01P	E9901693BS	Lab. Blank Spike	Lab QC	BS	7782-49-2	Selenium	98			%	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_11-29-99	1129semw	11/22/1999	11/29/1999	1334
ENV99-01P	E9901693SR	House Ref. Liver	Tissue	HRL	7782-49-2	Selenium	0.440	0.005	EDL	ug/g	Wet Wt	1	0.446	99	11/2/1999	ICP, Hydride	VGICP_11-29-99	1129semw	11/22/1999	11/29/1999	1337
ENV99-01P	E9901693B1	Laboratory Blank	Lab QC	BLANK	7782-49-2	Selenium	-0.000126	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_11-29-99	1129semw	11/22/1999	11/29/1999	1340
ENV99-01P	E9901693C1	SEH1	Lab QC	CS	7782-49-2	Selenium	0.300	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_11-29-99	1129semw	11/22/1999	11/29/1999	1342
ENV99-01P	E9901776CS	SEH2	Lab QC	CS	7782-49-2	Selenium	0.051	0.005	EDL	ug/g	Wet Wt	1	0.05	102	11/2/1999	ICP, Hydride	VGICP_12-02-99	1202semw	11/23/1999	12/2/1999	1229
ENV99-01P	E9901776SR	House Ref. Liver	Tissue	HRL	7782-49-2	Selenium	0.440	0.005	EDL	ug/g	Wet Wt	1	0.446	99	11/2/1999	ICP, Hydride	VGICP_12-02-99	1202semw	11/23/1999	12/2/1999	1232
ENV99-01P	E9901776	101-9-057366	Muscle	Primary	7782-49-2	Selenium	0.190	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_12-02-99	1202semw	11/23/1999	12/2/1999	1402
ENV99-01P	E9901801	102-9-003525	Muscle	Primary	7782-49-2	Selenium	0.120	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_12-02-99	1202semw	11/23/1999	12/2/1999	1405
ENV99-01P	E9901805	102-9-008730	Muscle	Primary	7782-49-2	Selenium	0.710	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_12-02-99	1202semw	11/23/1999	12/2/1999	1408
ENV99-01P	E9901806	102-9-009184	Muscle	Primary	7782-49-2	Selenium	0.170	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_12-02-99	1202semw	11/23/1999	12/2/1999	1411
ENV99-01P	E9901826	106-9-009470	Muscle	Primary	7782-49-2	Selenium	0.190	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_12-02-99	1202semw	11/23/1999	12/2/1999	1414
ENV99-01P	E9901828	107-9-001328	Muscle	Primary	7782-49-2	Selenium	0.170	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_12-02-99	1202semw	11/23/1999	12/2/1999	1419
ENV99-01P	E9901831	107-9-008536	Muscle	Primary	7782-49-2	Selenium	0.190	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_12-02-99	1202semw	11/23/1999	12/2/1999	1421
ENV99-03P	E9901914	101-9-041577	Liver	Primary	7782-49-2	Selenium	2.800	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_12-02-99	1202semw	11/23/1999	12/2/1999	1424
ENV99-03P	E9901929	101-9-069462	Liver	Primary	7782-49-2	Selenium	0.430	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_12-02-99	1202semw	11/23/1999	12/2/1999	1427
ENV99-03P	E9901929D	101-9-069462	Liver	Lab Duplicat	7782-49-2	Selenium	0.440	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_12-02-99	1202semw	11/23/1999	12/2/1999	1430
ENV99-03P	E9901943	102-9-011973	Liver	Triplicate	7782-49-2	Selenium	0.320	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_12-02-99	1202semw	11/23/1999	12/2/1999	1433
ENV99-03P	E9901943B	Laboratory Blank	Lab QC	BLANK	7782-49-2	Selenium	-0.00177	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_12-02-99	1202semw	11/23/1999	12/2/1999	1435
ENV99-03P	E9901943CS	Check Standard	Lab QC	CS	7782-49-2	Selenium	0.053	0.005	EDL	ug/g	Wet Wt	1	0.05	106	11/2/1999	ICP, Hydride	VGICP_12-02-99	1202semw	11/23/1999	12/2/1999	1441
ENV99-03P	E9901943SR	House Ref. Liver	Tissue	HRL	7782-49-2	Selenium	0.410	0.005	EDL	ug/g	Wet Wt	1	0.446	92	11/2/1999	ICP, Hydride	VGICP_12-02-99	1202semw	11/23/1999	12/2/1999	1444
ENV99-03P	E9901943-2	102-9-011973	Liver	Triplicate	7782-49-2	Selenium	0.330	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_12-02-99	1202semw	11/23/1999	12/2/1999	1447

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
SELENIUM BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV99-03P	E9901943-3	102-9-011973	Liver	Triplicate	7782-49-2	Selenium	0.350	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_12-02-99	1202semw	11/23/1999	12/2/1999	1450
ENV99-03P	E9901951	105-9-004447	Liver	Primary	7782-49-2	Selenium	2.800	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_12-02-99	1202semw	11/23/1999	12/2/1999	1456
ENV99-03P	E9901984	101-9-041577	Muscle	Primary	7782-49-2	Selenium	0.220	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_12-02-99	1202semw	11/23/1999	12/2/1999	1459
ENV99-03P	E9901989	101-9-069462	Muscle	Primary	7782-49-2	Selenium	0.160	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_12-02-99	1202semw	11/23/1999	12/2/1999	1501
ENV99-03P	E9902000	102-9-011973	Muscle	Triplicate	7782-49-2	Selenium	0.076	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_12-02-99	1202semw	11/23/1999	12/2/1999	1504
ENV99-03P	E9902000-2	102-9-011973	Muscle	Triplicate	7782-49-2	Selenium	0.077	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_12-02-99	1202semw	11/23/1999	12/2/1999	1507
ENV99-03P	E9902000-3	102-9-011973	Muscle	Triplicate	7782-49-2	Selenium	0.074	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_12-02-99	1202semw	11/23/1999	12/2/1999	1510
ENV99-03P	E9902004	105-9-004447	Muscle	Primary	7782-49-2	Selenium	0.210	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_12-02-99	1202semw	11/23/1999	12/2/1999	1516
ENV99-03P	E9902004D	105-9-004447	Muscle	Lab Duplicat	7782-49-2	Selenium	0.200	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_12-02-99	1202semw	11/23/1999	12/2/1999	1518
ENV99-01P	E9901836	108-9-004804	Muscle	Primary	7782-49-2	Selenium	0.160	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_12-02-99	1202semw	11/23/1999	12/2/1999	1523
ENV99-01P	E9901836B	Laboratory Blank	Lab QC	BLANK	7782-49-2	Selenium	-0.00151	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_12-02-99	1202semw	11/23/1999	12/2/1999	1539
ENV99-01P	E9901836CS	Check Standard	Lab QC	CS	7782-49-2	Selenium	0.056	0.005	EDL	ug/g	Wet Wt	1	0.05	112	11/2/1999	ICP, Hydride	VGICP_12-02-99	1202semw	11/23/1999	12/2/1999	1547
ENV99-01P	E9901836SR	House Ref. Liver	Tissue	HRL	7782-49-2	Selenium	0.440	0.005	EDL	ug/g	Wet Wt	1	0.446	99	11/2/1999	ICP, Hydride	VGICP_12-02-99	1202semw	11/23/1999	12/2/1999	1550
ENV99-01P	E9901836S1	TORT-2	Tissue	SRM	7782-49-2	Selenium	5.900	0.005	EDL	ug/g	Wet Wt	1	5.63	105	11/2/1999	ICP, Hydride	VGICP_12-02-99	1202semw	11/23/1999	12/2/1999	1553
ENV99-01P	E9901836B1	Laboratory Blank	Lab QC	BLANK	7782-49-2	Selenium	-0.00160	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_12-02-99	1202semw	11/23/1999	12/2/1999	1556
ENV99-01P	E9901836C1	SEH1	Lab QC	CS	7782-49-2	Selenium	0.330	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_12-02-99	1202semw	11/23/1999	12/2/1999	1559
ENV99-01P	E9901836C2	SEH2	Lab QC	CS	7782-49-2	Selenium	0.056	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_12-02-99	1202semw	11/23/1999	12/2/1999	1602
ENV99-03	E9901957B	Laboratory Blank	Lab QC	BLANK	7782-49-2	Selenium	-0.00137	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-11-00	0111semw	1/5/2000	1/12/2000	1249
ENV99-03	E9901957SR	House Ref. Liver	Tissue	HRL	7782-49-2	Selenium	0.440	0.005	EDL	ug/g	Wet Wt	1	0.446	99	11/12/1999	ICP, Hydride	VGICP_01-11-00	0111semw	1/5/2000	1/12/2000	1252
ENV99-03	E9901957	107-7-61023	Liver	Primary	7782-49-2	Selenium	0.200	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-11-00	0111semw	1/5/2000	1/12/2000	1255
ENV99-03	E9901958	107-9-002888	Liver	Primary	7782-49-2	Selenium	3.200	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-11-00	0111semw	1/5/2000	1/12/2000	1258
ENV99-03	E9901960	107-9-007770	Liver	Primary	7782-49-2	Selenium	0.260	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-11-00	0111semw	1/5/2000	1/12/2000	1301
ENV99-03	E9901961	108-9-001128	Liver	Primary	7782-49-2	Selenium	0.580	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-11-00	0111semw	1/5/2000	1/12/2000	1304
ENV99-03	E9901963	108-9-001269	Liver	Primary	7782-49-2	Selenium	1.700	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-11-00	0111semw	1/5/2000	1/12/2000	1310
ENV99-03	E9901965	108-9-004918	Liver	Primary	7782-49-2	Selenium	0.270	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-11-00	0111semw	1/5/2000	1/12/2000	1315
ENV99-03	E9901965B	Laboratory Blank	Lab QC	BLANK	7782-49-2	Selenium	0.000643	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-11-00	0111semw	1/5/2000	1/12/2000	1318
ENV99-03	E9901965CS	Check Standard	Lab QC	CS	7782-49-2	Selenium	0.052	0.005	EDL	ug/g	Wet Wt	1	0.05	104	11/12/1999	ICP, Hydride	VGICP_01-11-00	0111semw	1/5/2000	1/12/2000	1321
ENV99-03	E9901965BS	Lab. Blank Spike	Lab QC	BS	7782-49-2	Selenium	104			%	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-11-00	0111semw	1/5/2000	1/12/2000	1324
ENV99-03	E9901965SR	House Ref. Liver	Tissue	HRL	7782-49-2	Selenium	0.470	0.005	EDL	ug/g	Wet Wt	1	0.446	105	11/12/1999	ICP, Hydride	VGICP_01-11-00	0111semw	1/5/2000	1/12/2000	1327
ENV99-03	E9901966	108-9-005208	Liver	Primary	7782-49-2	Selenium	0.320	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-11-00	0111semw	1/5/2000	1/12/2000	1329
ENV99-03	E9901966D	108-9-005208	Liver	Lab Duplicat	7782-49-2	Selenium	0.310	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-11-00	0111semw	1/5/2000	1/12/2000	1332
ENV99-03	E9901967	108-9-005350	Liver	Primary	7782-49-2	Selenium	1.200	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-11-00	0111semw	1/5/2000	1/12/2000	1335
ENV99-03	E9901968	116-9-9108	Liver	Primary	7782-49-2	Selenium	3.000	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-11-00	0111semw	1/5/2000	1/12/2000	1338
ENV99-03	E9901971	202-9-003457	Liver	Primary	7782-49-2	Selenium	0.410	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-11-00	0111semw	1/5/2000	1/12/2000	1347
ENV99-03	E9901972	202-9-508864	Liver	Primary	7782-49-2	Selenium	0.490	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-11-00	0111semw	1/5/2000	1/12/2000	1350
ENV99-03	E9901972B	Laboratory Blank	Lab QC	BLANK	7782-49-2	Selenium	0.00157	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-11-00	0111semw	1/5/2000	1/12/2000	1356
ENV99-03	E9901972CS	Check Standard	Lab QC	CS	7782-49-2	Selenium	0.052	0.005	EDL	ug/g	Wet Wt	1	0.05	104	11/12/1999	ICP, Hydride	VGICP_01-11-00	0111semw	1/5/2000	1/12/2000	1358
ENV99-03	E9901972BS	Lab. Blank Spike	Lab QC	BS	7782-49-2	Selenium	105			%	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-11-00	0111semw	1/5/2000	1/12/2000	1401
ENV99-03	E9901972SR	House Ref. Liver	Tissue	HRL	7782-49-2	Selenium	0.510	0.005	EDL	ug/g	Wet Wt	1	0.446	114	11/12/1999	ICP, Hydride	VGICP_01-11-00	0111semw	1/5/2000	1/12/2000	1404
ENV99-03	E9901962	108-9-001165	Liver	Primary	7782-49-2	Selenium	4.200	0.005	EDL	ug/g	Wet Wt	10			11/12/1999	ICP, Hydride	VGICP_01-11-00	0111semw	1/5/2000	1/12/2000	1408
ENV99-03	E9901964	108-9-004060	Liver	Primary	7782-49-2	Selenium	3.600	0.005	EDL	ug/g	Wet Wt	10			11/12/1999	ICP, Hydride	VGICP_01-11-00	0111semw	1/5/2000	1/12/2000	1411
ENV99-03	E9901969	116-9-9109	Liver	Primary	7782-49-2	Selenium	2.900	0.005	EDL	ug/g	Wet Wt	10			11/12/1999	ICP, Hydride	VGICP_01-11-00	0111semw	1/5/2000	1/12/2000	1414
ENV99-03	E9901970	125-9-001223	Liver	Primary	7782-49-2	Selenium	7.600	0.005	EDL	ug/g	Wet Wt	10			11/12/1999	ICP, Hydride	VGICP_01-11-00	0111semw	1/5/2000	1/12/2000	1417
ENV99-03	E9901976B	Laboratory Blank	Lab QC	BLANK	7782-49-2	Selenium	-0.00122	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-12-00	0112semw	1/5/2000	1/12/2000	1451
ENV99-03	E9901976SR	House Ref. Liver	Tissue	HRL	7782-49-2	Selenium	0.530	0.005	EDL	ug/g	Wet Wt	1	0.446	119	11/12/1999	ICP, Hydride	VGICP_01-12-00	0112semw	1/5/2000	1/12/2000	1458
ENV99-03	E9901976	101-9-003717	Muscle	Primary	7782-49-2	Selenium	0.380	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-12-00	0112semw	1/5/2000	1/12/2000	1500
ENV99-03	E9901977	101-9-003781	Muscle	Primary	7782-49-2	Selenium	0.110	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-12-00	0112semw	1/5/2000	1/12/2000	1503
ENV99-03	E9901978	101-9-005127	Muscle	Primary	7782-49-2	Selenium	0.220	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-12-00	0112semw	1/5/2000	1/12/2000	1506
ENV99-03	E9901979	101-9-010800	Muscle	Primary	7782-49-2	Selenium	0.100	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-12-00	0112semw	1/5/2000	1/12/2000	1509
ENV99-03	E9901985	101-9-045262	Muscle	Primary	7782-49-2	Selenium	0.520	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-12-00	0112semw	1/5/2000	1/12/2000	1512
ENV99-03	E9901987	101-9-064273	Muscle	Primary	7782-49-2	Selenium	0.560	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-12-00	0112semw	1/5/2000	1/12/2000	1515

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
SELENIUM BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV99-03	E9901990	101-9-081257	Muscle	Primary	7782-49-2	Selenium	0.086	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-12-00	0112semw	1/5/2000	1/12/2000	1518
ENV99-03	E9901994	102-9-007374	Muscle	Primary	7782-49-2	Selenium	0.440	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-12-00	0112semw	1/5/2000	1/12/2000	1521
ENV99-03	E9901994B	Laboratory Blank	Lab QC	BLANK	7782-49-2	Selenium	-0.00191	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-12-00	0112semw	1/5/2000	1/12/2000	1523
ENV99-03	E9901994CS	Check Standard	Lab QC	CS	7782-49-2	Selenium	0.050	0.005	EDL	ug/g	Wet Wt	1	0.05	100	11/12/1999	ICP, Hydride	VGICP_01-12-00	0112semw	1/5/2000	1/12/2000	1526
ENV99-03	E9901994BS	Lab. Blank Spike	Lab QC	BS	7782-49-2	Selenium	95			%	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-12-00	0112semw	1/5/2000	1/12/2000	1529
ENV99-03	E9901994SR	House Ref. Liver	Tissue	HRL	7782-49-2	Selenium	0.460	0.005	EDL	ug/g	Wet Wt	1	0.446	103	11/12/1999	ICP, Hydride	VGICP_01-12-00	0112semw	1/5/2000	1/12/2000	1532
ENV99-03	E9901996	102-9-009310	Muscle	Primary	7782-49-2	Selenium	0.180	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-12-00	0112semw	1/5/2000	1/12/2000	1535
ENV99-03	E9901996D	102-9-009310	Muscle	Lab Duplicat	7782-49-2	Selenium	0.190	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-12-00	0112semw	1/5/2000	1/12/2000	1538
ENV99-03	E9902001	104-9-004294	Muscle	Primary	7782-49-2	Selenium	1.000	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-12-00	0112semw	1/5/2000	1/12/2000	1540
ENV99-03	E9902002	104-9-006297	Muscle	Primary	7782-49-2	Selenium	0.450	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-12-00	0112semw	1/5/2000	1/12/2000	1544
ENV99-03	E9902003	104-9-014257	Muscle	Primary	7782-49-2	Selenium	0.580	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-12-00	0112semw	1/5/2000	1/12/2000	1548
ENV99-03	E9902005	106-9-000834	Muscle	Primary	7782-49-2	Selenium	0.130	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-12-00	0112semw	1/5/2000	1/12/2000	1552
ENV99-03	E9902006	108-9-005350	Muscle	Primary	7782-49-2	Selenium	0.140	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-12-00	0112semw	1/5/2000	1/12/2000	1555
ENV99-03	E9902007	202-9-003457	Muscle	Primary	7782-49-2	Selenium	0.070	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-12-00	0112semw	1/5/2000	1/12/2000	1558
ENV99-03	E9902008	104-9-006924	Muscle	Primary	7782-49-2	Selenium	0.076	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-12-00	0112semw	1/5/2000	1/12/2000	1601
ENV99-03	E9902009	108-9-005208	Muscle	Primary	7782-49-2	Selenium	0.170	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-12-00	0112semw	1/5/2000	1/12/2000	1604
ENV99-03	E9902009D	108-9-005208	Muscle	Lab Duplicat	7782-49-2	Selenium	0.180	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-12-00	0112semw	1/5/2000	1/12/2000	1607
ENV99-03	E9902009B	Laboratory Blank	Lab QC	BLANK	7782-49-2	Selenium	-0.00200	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-12-00	0112semw	1/5/2000	1/12/2000	1610
ENV99-03	E9902009CS	Check Standard	Lab QC	CS	7782-49-2	Selenium	0.050	0.005	EDL	ug/g	Wet Wt	1	0.05	100	11/12/1999	ICP, Hydride	VGICP_01-12-00	0112semw	1/5/2000	1/12/2000	1612
ENV99-03	E9902009BS	Lab. Blank Spike	Lab QC	BS	7782-49-2	Selenium	83			%	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-12-00	0112semw	1/5/2000	1/12/2000	1615
ENV99-03	E9902009SR	House Ref. Liver	Tissue	HRL	7782-49-2	Selenium	0.470	0.005	EDL	ug/g	Wet Wt	1	0.446	105	11/12/1999	ICP, Hydride	VGICP_01-12-00	0112semw	1/5/2000	1/12/2000	1618
ENV99-03	E9901907B	Laboratory Blank	Lab QC	BLANK	7782-49-2	Selenium	-0.00049	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-13-00_A	0114semw	1/4/2000	1/13/2000	925
ENV99-03	E9901907SR	House Ref. Liver	Tissue	HRL	7782-49-2	Selenium	0.500	0.005	EDL	ug/g	Wet Wt	1	0.446	112	11/12/1999	ICP, Hydride	VGICP_01-13-00_A	0114semw	1/4/2000	1/13/2000	935
ENV99-03	E9901907	101-9-021815	Liver	Primary	7782-49-2	Selenium	0.410	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-13-00_A	0114semw	1/4/2000	1/13/2000	938
ENV99-03	E9901909	101-9-025256	Liver	Triplicate	7782-49-2	Selenium	0.390	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-13-00_A	0114semw	1/4/2000	1/13/2000	941
ENV99-03	E9901909-2	101-9-025256	Liver	Triplicate	7782-49-2	Selenium	0.380	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-13-00_A	0114semw	1/4/2000	1/13/2000	944
ENV99-03	E9901909-3	101-9-025256	Liver	Triplicate	7782-49-2	Selenium	0.380	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-13-00_A	0114semw	1/4/2000	1/13/2000	947
ENV99-03	E9901909MS	101-9-025256-MS	Liver	MS	7782-49-2	Selenium	101			%	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-13-00_A	0114semw	1/4/2000	1/13/2000	950
ENV99-03	E9901911	101-9-026427	Liver	Primary	7782-49-2	Selenium	0.360	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-13-00_A	0114semw	1/4/2000	1/13/2000	953
ENV99-03	E9901911D	101-9-026427	Liver	Lab Duplicat	7782-49-2	Selenium	0.350	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-13-00_A	0114semw	1/4/2000	1/13/2000	955
ENV99-03	E9901911B	Laboratory Blank	Lab QC	BLANK	7782-49-2	Selenium	0.00283	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-13-00_A	0114semw	1/4/2000	1/13/2000	1006
ENV99-03	E9901911CS	Check Standard	Lab QC	CS	7782-49-2	Selenium	0.057	0.005	EDL	ug/g	Wet Wt	1	0.05	114	11/12/1999	ICP, Hydride	VGICP_01-13-00_A	0114semw	1/4/2000	1/13/2000	1009
ENV99-03	E9901911BS	Lab. Blank Spike	Lab QC	BS	7782-49-2	Selenium	101			%	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-13-00_A	0114semw	1/4/2000	1/13/2000	1012
ENV99-03	E9901911SR	House Ref. Liver	Tissue	HRL	7782-49-2	Selenium	0.510	0.005	EDL	ug/g	Wet Wt	1	0.446	114	11/12/1999	ICP, Hydride	VGICP_01-13-00_A	0114semw	1/4/2000	1/13/2000	1015
ENV99-03	E9901913	101-9-040872	Liver	Primary	7782-49-2	Selenium	1.400	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-13-00_A	0114semw	1/4/2000	1/13/2000	1018
ENV99-03	E9901915	101-9-041629	Liver	Primary	7782-49-2	Selenium	0.260	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-13-00_A	0114semw	1/4/2000	1/13/2000	1021
ENV99-03	E9901917	101-9-055718	Liver	Primary	7782-49-2	Selenium	0.380	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-13-00_A	0114semw	1/4/2000	1/13/2000	1026
ENV99-03	E9901918	101-9-057289	Liver	Primary	7782-49-2	Selenium	0.600	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-13-00_A	0114semw	1/4/2000	1/13/2000	1029
ENV99-03	E9901920	101-9-059906	Liver	Primary	7782-49-2	Selenium	0.920	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-13-00_A	0114semw	1/4/2000	1/13/2000	1032
ENV99-03	E9901923	101-9-060482	Liver	Primary	7782-49-2	Selenium	0.440	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-13-00_A	0114semw	1/4/2000	1/13/2000	1035
ENV99-03	E9901924	101-9-062127	Liver	Primary	7782-49-2	Selenium	0.470	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-13-00_A	0114semw	1/4/2000	1/13/2000	1038
ENV99-03	E9901924D	101-9-062127	Liver	Lab Duplicat	7782-49-2	Selenium	0.480	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-13-00_A	0114semw	1/4/2000	1/13/2000	1041
ENV99-03	E9901924B	Laboratory Blank	Lab QC	BLANK	7782-49-2	Selenium	0.00216	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-13-00_A	0114semw	1/4/2000	1/13/2000	1044
ENV99-03	E9901924CS	Check Standard	Lab QC	CS	7782-49-2	Selenium	0.054	0.005	EDL	ug/g	Wet Wt	1	0.05	108	11/12/1999	ICP, Hydride	VGICP_01-13-00_A	0114semw	1/4/2000	1/13/2000	1046
ENV99-03	E9901924BS	Lab. Blank Spike	Lab QC	BS	7782-49-2	Selenium	102			%	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-13-00_A	0114semw	1/4/2000	1/13/2000	1049
ENV99-03	E9901924SR	House Ref. Liver	Tissue	HRL	7782-49-2	Selenium	0.520	0.005	EDL	ug/g	Wet Wt	1	0.446	117	11/12/1999	ICP, Hydride	VGICP_01-13-00_A	0114semw	1/4/2000	1/13/2000	1052
ENV99-03	E9901908	101-9-023207	Liver	Primary	7782-49-2	Selenium	3.900	0.005	EDL	ug/g	Wet Wt	10			11/12/1999	ICP, Hydride	VGICP_01-13-00_A	0114semw	1/4/2000	1/13/2000	1055
ENV99-03	E9901912	101-9-035622	Liver	Primary	7782-49-2	Selenium	4.800	0.005	EDL	ug/g	Wet Wt	10			11/12/1999	ICP, Hydride	VGICP_01-13-00_A	0114semw	1/4/2000	1/13/2000	1059
ENV99-03	E9901916	101-9-045262	Liver	Primary	7782-49-2	Selenium	4.700	0.005	EDL	ug/g	Wet Wt	10			11/12/1999	ICP, Hydride	VGICP_01-13-00_A	0114semw	1/4/2000	1/13/2000	1102
ENV99-03	E9901940SR	House Ref. Liver	Tissue	HRL	7782-49-2	Selenium	0.440	0.005	EDL	ug/g	Wet Wt	1	0.446	99	11/12/1999	ICP, Hydride	VGICP_01-13-00_B	0116semw	1/4/2000	1/13/2000	1356
ENV99-03	E9901940	102-9-009310	Liver	Primary	7782-49-2	Selenium	1.700	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-13-00_B	0116semw	1/4/2000	1/13/2000	1359

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
SELENIUM BY ICP
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UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV99-03	E9901944	102-9-012285	Liver	Primary	7782-49-2	Selenium	1.500	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-13-00_B	0116semw	1/4/2000	1/13/2000	1402
ENV99-03	E9901946	104-9-004294	Liver	Primary	7782-49-2	Selenium	1.600	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-13-00_B	0116semw	1/4/2000	1/13/2000	1404
ENV99-03	E9901947	104-9-006924	Liver	Primary	7782-49-2	Selenium	0.320	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-13-00_B	0116semw	1/4/2000	1/13/2000	1407
ENV99-03	E9901948	104-9-007653	Liver	Primary	7782-49-2	Selenium	0.560	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-13-00_B	0116semw	1/4/2000	1/13/2000	1410
ENV99-03	E9901949	104-9-009086	Liver	Primary	7782-49-2	Selenium	0.310	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-13-00_B	0116semw	1/4/2000	1/13/2000	1413
ENV99-03	E9901950	104-9-014257	Liver	Primary	7782-49-2	Selenium	0.930	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-13-00_B	0116semw	1/4/2000	1/13/2000	1416
ENV99-03	E9901950D	104-9-014257	Liver	Lab Duplicat	7782-49-2	Selenium	1.100	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-13-00_B	0116semw	1/4/2000	1/13/2000	1419
ENV99-03	E9901950B	Laboratory Blank	Lab QC	BLANK	7782-49-2	Selenium	-0.00194	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-13-00_B	0116semw	1/4/2000	1/13/2000	1422
ENV99-03	E9901950CS	Check Standard	Lab QC	CS	7782-49-2	Selenium	0.052	0.005	EDL	ug/g	Wet Wt	1	0.05	104	11/12/1999	ICP, Hydride	VGICP_01-13-00_B	0116semw	1/4/2000	1/13/2000	1425
ENV99-03	E9901950BS	Lab. Blank Spike	Lab QC	BS	7782-49-2	Selenium	100			%	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-13-00_B	0116semw	1/4/2000	1/13/2000	1428
ENV99-03	E9901950SR	House Ref. Liver	Tissue	HRL	7782-49-2	Selenium	0.400	0.005	EDL	ug/g	Wet Wt	1	0.446	90	11/12/1999	ICP, Hydride	VGICP_01-13-00_B	0116semw	1/4/2000	1/13/2000	1431
ENV99-03	E9901953	106-9-000834	Liver	Primary	7782-49-2	Selenium	0.900	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-13-00_B	0116semw	1/4/2000	1/13/2000	1434
ENV99-03	E9901954	106-9-002669	Liver	Triplicate	7782-49-2	Selenium	0.710	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-13-00_B	0116semw	1/4/2000	1/13/2000	1436
ENV99-03	E9901954-2	106-9-002669	Liver	Triplicate	7782-49-2	Selenium	0.550	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-13-00_B	0116semw	1/4/2000	1/13/2000	1439
ENV99-03	E9901954-3	106-9-002669	Liver	Triplicate	7782-49-2	Selenium	0.570	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-13-00_B	0116semw	1/4/2000	1/13/2000	1441
ENV99-03	E9901954MS	106-9-002669-MS	Liver	MS	7782-49-2	Selenium	90			%	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-13-00_B	0116semw	1/4/2000	1/13/2000	1445
ENV99-03	E9901955	106-9-009604	Liver	Primary	7782-49-2	Selenium	0.560	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-13-00_B	0116semw	1/4/2000	1/13/2000	1448
ENV99-03	E9901956	106-9-009855	Liver	Primary	7782-49-2	Selenium	0.890	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-13-00_B	0116semw	1/4/2000	1/13/2000	1506
ENV99-03	E9901956D	106-9-009855	Liver	Lab Duplicat	7782-49-2	Selenium	1.700	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-13-00_B	0116semw	1/4/2000	1/13/2000	1508
ENV99-03	E9901956B	Laboratory Blank	Lab QC	BLANK	7782-49-2	Selenium	-0.00301	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-13-00_B	0116semw	1/4/2000	1/13/2000	1513
ENV99-03	E9901956CS	Check Standard	Lab QC	CS	7782-49-2	Selenium	0.054	0.005	EDL	ug/g	Wet Wt	1	0.05	108	11/12/1999	ICP, Hydride	VGICP_01-13-00_B	0116semw	1/4/2000	1/13/2000	1516
ENV99-03	E9901956BS	Lab. Blank Spike	Lab QC	BS	7782-49-2	Selenium	93			%	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-13-00_B	0116semw	1/4/2000	1/13/2000	1519
ENV99-03	E9901956SR	House Ref. Liver	Tissue	HRL	7782-49-2	Selenium	0.390	0.005	EDL	ug/g	Wet Wt	1	0.446	87	11/12/1999	ICP, Hydride	VGICP_01-13-00_B	0116semw	1/4/2000	1/13/2000	1522
ENV99-03	E9901956	106-9-009855	Liver	Primary	7782-49-2	Selenium	0.998	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-13-00_B	0116semw	1/4/2000	1/13/2000	1525
ENV99-03	E9901956D	106-9-009855	Liver	Lab Duplicat	7782-49-2	Selenium	1.78	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-13-00_B	0116semw	1/4/2000	1/13/2000	1528
ENV99-01	E9901661CS	SEH2	Lab QC	CS	7782-49-2	Selenium	0.051	0.005	EDL	ug/g	Wet Wt	1	0.05	102	11/2/1999	ICP, Hydride	VGICP_01-20-00_B	0120seh	1/14/2000	1/19/2000	1411
ENV99-01	E9901661B	Laboratory Blank	Lab QC	BLANK	7782-49-2	Selenium	-0.00296	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-20-00_B	0120seh	1/14/2000	1/19/2000	1414
ENV99-01	E9901661BS	Lab. Blank Spike	Lab QC	BS	7782-49-2	Selenium	84			%	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-20-00_B	0120seh	1/14/2000	1/19/2000	1417
ENV99-01	E9901661SR	House Ref. Liver	Tissue	HRL	7782-49-2	Selenium	0.460	0.005	EDL	ug/g	Wet Wt	1	0.446	103	11/2/1999	ICP, Hydride	VGICP_01-20-00_B	0120seh	1/14/2000	1/19/2000	1420
ENV99-01	E9901661	101-9-024889	Liver	Primary	7782-49-2	Selenium	0.280	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-20-00_B	0120seh	1/14/2000	1/19/2000	1423
ENV99-01	E9901662	101-9-025926	Liver	Primary	7782-49-2	Selenium	1.100	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-20-00_B	0120seh	1/14/2000	1/19/2000	1426
ENV99-01	E9901663	101-9-026635	Liver	Primary	7782-49-2	Selenium	0.220	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-20-00_B	0120seh	1/14/2000	1/19/2000	1429
ENV99-01	E9901664	101-9-028332	Liver	Primary	7782-49-2	Selenium	0.730	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-20-00_B	0120seh	1/14/2000	1/19/2000	1432
ENV99-01	E9901665	101-9-028637	Liver	Primary	7782-49-2	Selenium	1.300	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-20-00_B	0120seh	1/14/2000	1/19/2000	1435
ENV99-01	E9901665D	101-9-028637	Liver	Lab Duplicat	7782-49-2	Selenium	1.200	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-20-00_B	0120seh	1/14/2000	1/19/2000	1438
ENV99-01	E9901666	101-9-032948	Liver	Primary	7782-49-2	Selenium	0.380	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-20-00_B	0120seh	1/14/2000	1/19/2000	1441
ENV99-01	E9901667	101-9-033823	Liver	Primary	7782-49-2	Selenium	0.700	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-20-00_B	0120seh	1/14/2000	1/19/2000	1444
ENV99-01	E9901670	101-9-050246	Liver	Triplicate	7782-49-2	Selenium	0.320	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-20-00_B	0120seh	1/14/2000	1/19/2000	1452
ENV99-01	E9901670-2	101-9-050246	Liver	Triplicate	7782-49-2	Selenium	0.280	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-20-00_B	0120seh	1/14/2000	1/19/2000	1455
ENV99-01	E9901670-3	101-9-050246	Liver	Triplicate	7782-49-2	Selenium	0.280	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-20-00_B	0120seh	1/14/2000	1/19/2000	1458
ENV99-01	E9901670MS	101-9-050246-MS	Liver	MS	7782-49-2	Selenium	108			%	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-20-00_B	0120seh	1/14/2000	1/19/2000	1501
ENV99-01	E9901670SR	House Ref. Liver	Tissue	HRL	7782-49-2	Selenium	0.500	0.005	EDL	ug/g	Wet Wt	1	0.446	112	11/2/1999	ICP, Hydride	VGICP_01-20-00_B	0120seh	1/14/2000	1/19/2000	1505
ENV99-01	E9901670B	Laboratory Blank	Lab QC	BLANK	7782-49-2	Selenium	-0.00189	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-20-00_B	0120seh	1/14/2000	1/19/2000	1508
ENV99-01	E9901670BS	Lab. Blank Spike	Lab QC	BS	7782-49-2	Selenium	90			%	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-20-00_B	0120seh	1/14/2000	1/19/2000	1511
ENV99-01	E9901670CS	Check Standard	Lab QC	CS	7782-49-2	Selenium	0.057	0.005	EDL	ug/g	Wet Wt	1	0.05	114	11/2/1999	ICP, Hydride	VGICP_01-20-00_B	0120seh	1/14/2000	1/19/2000	1514
ENV99-01	E9901671	101-9-052544	Liver	Primary	7782-49-2	Selenium	0.280	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-20-00_B	0120seh	1/14/2000	1/19/2000	1517
ENV99-01	E9901672	101-9-054687	Liver	Triplicate	7782-49-2	Selenium	0.340	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-20-00_B	0120seh	1/14/2000	1/19/2000	1520
ENV99-01	E9901672-2	101-9-054687	Liver	Triplicate	7782-49-2	Selenium	0.340	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-20-00_B	0120seh	1/14/2000	1/19/2000	1523
ENV99-01	E9901672-3	101-9-054687	Liver	Triplicate	7782-49-2	Selenium	0.340	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-20-00_B	0120seh	1/14/2000	1/19/2000	1526
ENV99-01	E9901672MS	101-9-054687-MS	Liver	MS	7782-49-2	Selenium	116			%	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-20-00_B	0120seh	1/14/2000	1/19/2000	1535
ENV99-01	E9901675	101-9-065581	Liver	Primary	7782-49-2	Selenium	2.300	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-20-00_B	0120seh	1/14/2000	1/19/2000	1544

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UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV99-01	E9901668	101-9-034278	Liver	Primary	7782-49-2	Selenium	3.300	0.005	EDL	ug/g	Wet Wt	10			11/2/1999	ICP, Hydride	VGICP_01-20-00_B	0120seh	1/14/2000	1/19/2000	1548
ENV99-01	E9901669	101-9-048459	Liver	Primary	7782-49-2	Selenium	5.500	0.005	EDL	ug/g	Wet Wt	10			11/2/1999	ICP, Hydride	VGICP_01-20-00_B	0120seh	1/14/2000	1/19/2000	1550
ENV99-01	E9901674	101-9-061415	Liver	Primary	7782-49-2	Selenium	5.500	0.005	EDL	ug/g	Wet Wt	10			11/2/1999	ICP, Hydride	VGICP_01-20-00_B	0120seh	1/14/2000	1/19/2000	1608
ENV99-01	E9901674D	101-9-061415	Liver	Lab Duplicat	7782-49-2	Selenium	5.200	0.005	EDL	ug/g	Wet Wt	10			11/2/1999	ICP, Hydride	VGICP_01-20-00_B	0120seh	1/14/2000	1/19/2000	1611
ENV99-01	E9901674SR	House Ref. Liver	Tissue	HRL	7782-49-2	Selenium	0.470	0.005	EDL	ug/g	Wet Wt	1	0.446	105	11/2/1999	ICP, Hydride	VGICP_01-20-00_B	0120seh	1/14/2000	1/19/2000	1614
ENV99-01	E9901674B	Laboratory Blank	Lab QC	BLANK	7782-49-2	Selenium	-0.00107	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-20-00_B	0120seh	1/14/2000	1/19/2000	1617
ENV99-01	E9901674BS	Lab. Blank Spike	Lab QC	BS	7782-49-2	Selenium	79			%	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-20-00_B	0120seh	1/14/2000	1/19/2000	1620
ENV99-01	E9901674B1	Laboratory Blank	Lab QC	BLANK	7782-49-2	Selenium	-0.00157	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-20-00_B	0120seh	1/14/2000	1/19/2000	1623
ENV99-01	E9901674CS	SEH1	Lab QC	CS	7782-49-2	Selenium	0.320	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-20-00_B	0120seh	1/14/2000	1/19/2000	1626
ENV99-01	E9901674C1	SEH2	Lab QC	CS	7782-49-2	Selenium	0.055	0.005	EDL	ug/g	Wet Wt	1	0.05	110	11/2/1999	ICP, Hydride	VGICP_01-20-00_B	0120seh	1/14/2000	1/19/2000	1629
ENV99-01	E9901738B	Laboratory Blank	Lab QC	BLANK	7782-49-2	Selenium	0.000097	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-20-00_A	0120SEH - A	1/14/2000	1/20/2000	1532
ENV99-01	E9901738CS	Check Standard	Lab QC	CS	7782-49-2	Selenium	0.050	0.005	EDL	ug/g	Wet Wt	1	0.05	100	11/2/1999	ICP, Hydride	VGICP_01-20-00_A	0120SEH - A	1/14/2000	1/20/2000	1535
ENV99-01	E9901738SR	House Ref. Liver	Tissue	HRL	7782-49-2	Selenium	0.460	0.005	EDL	ug/g	Wet Wt	1	0.446	103	11/2/1999	ICP, Hydride	VGICP_01-20-00_A	0120SEH - A	1/14/2000	1/20/2000	1538
ENV99-01	E9901738BS	Lab. Blank Spike	Lab QC	BS	7782-49-2	Selenium	74			%	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-20-00_A	0120SEH - A	1/14/2000	1/20/2000	1541
ENV99-01	E9901738	803-9-015407	Liver	Primary	7782-49-2	Selenium	0.430	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-20-00_A	0120SEH - A	1/14/2000	1/20/2000	1544
ENV99-01	E9901741	101-9-001192	Muscle	Triplicate	7782-49-2	Selenium	0.130	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-20-00_A	0120SEH - A	1/14/2000	1/20/2000	1547
ENV99-01	E9901741-2	101-9-001192	Muscle	Triplicate	7782-49-2	Selenium	0.120	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-20-00_A	0120SEH - A	1/14/2000	1/20/2000	1550
ENV99-01	E9901741-3	101-9-001192	Muscle	Triplicate	7782-49-2	Selenium	0.120	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-20-00_A	0120SEH - A	1/14/2000	1/20/2000	1553
ENV99-01	E9901741MS	101-9-001192-MS	Muscle	MS	7782-49-2	Selenium	94			%	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-20-00_A	0120SEH - A	1/14/2000	1/20/2000	1556
ENV99-01	E9901743	101-9-003744	Muscle	Primary	7782-49-2	Selenium	0.100	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-20-00_A	0120SEH - A	1/14/2000	1/20/2000	1559
ENV99-01	E9901744	101-9-003836	Muscle	Primary	7782-49-2	Selenium	0.230	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-20-00_A	0120SEH - A	1/14/2000	1/20/2000	1602
ENV99-01	E9901747	101-9-008142	Muscle	Primary	7782-49-2	Selenium	0.180	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-20-00_A	0120SEH - A	1/14/2000	1/20/2000	1605
ENV99-01	E9901748	101-9-009603	Muscle	Primary	7782-49-2	Selenium	0.140	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-20-00_A	0120SEH - A	1/14/2000	1/20/2000	1608
ENV99-01	E9901749	101-9-011498	Muscle	Primary	7782-49-2	Selenium	0.061	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-20-00_A	0120SEH - A	1/14/2000	1/20/2000	1611
ENV99-01	E9901750	101-9-011744	Muscle	Primary	7782-49-2	Selenium	0.160	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-20-00_A	0120SEH - A	1/14/2000	1/20/2000	1614
ENV99-01	E9901750B	Laboratory Blank	Lab QC	BLANK	7782-49-2	Selenium	-0.000067	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-20-00_A	0120SEH - A	1/14/2000	1/20/2000	1617
ENV99-01	E9901750CS	Check Standard	Lab QC	CS	7782-49-2	Selenium	0.052	0.005	EDL	ug/g	Wet Wt	1	0.05	104	11/2/1999	ICP, Hydride	VGICP_01-20-00_A	0120SEH - A	1/14/2000	1/20/2000	1620
ENV99-01	E9901750BS	Lab. Blank Spike	Lab QC	BS	7782-49-2	Selenium	72			%	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-20-00_A	0120SEH - A	1/14/2000	1/20/2000	1623
ENV99-01	E9901750SR	House Ref. Liver	Tissue	HRL	7782-49-2	Selenium	0.470	0.005	EDL	ug/g	Wet Wt	1	0.446	105	11/2/1999	ICP, Hydride	VGICP_01-20-00_A	0120SEH - A	1/14/2000	1/20/2000	1626
ENV99-01	E9901755	101-9-015568	Muscle	Primary	7782-49-2	Selenium	0.120	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-20-00_A	0120SEH - A	1/14/2000	1/20/2000	1629
ENV99-01	E9901756	101-9-016571	Muscle	Primary	7782-49-2	Selenium	0.140	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-20-00_A	0120SEH - A	1/14/2000	1/20/2000	1632
ENV99-01	E9901758	101-9-018227	Muscle	Primary	7782-49-2	Selenium	0.350	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-20-00_A	0120SEH - A	1/14/2000	1/20/2000	1635
ENV99-01	E9901760	101-9-020202	Muscle	Primary	7782-49-2	Selenium	0.130	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-20-00_A	0120SEH - A	1/14/2000	1/20/2000	1638
ENV99-01	E9901762	101-9-022067	Muscle	Primary	7782-49-2	Selenium	0.130	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-20-00_A	0120SEH - A	1/14/2000	1/20/2000	1641
ENV99-01	E9901764	101-9-024889	Muscle	Primary	7782-49-2	Selenium	0.110	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-20-00_A	0120SEH - A	1/14/2000	1/20/2000	1713
ENV99-01	E9901765	101-9-025926	Muscle	Primary	7782-49-2	Selenium	0.310	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-20-00_A	0120SEH - A	1/14/2000	1/20/2000	1716
ENV99-01	E9901743D	101-9-003744	Muscle	Lab Duplicat	7782-49-2	Selenium	0.100	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-20-00_A	0120SEH - A	1/14/2000	1/20/2000	1719
ENV99-01	E9901765D	101-9-025926	Muscle	Lab Duplicat	7782-49-2	Selenium	0.300	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-20-00_A	0120SEH - A	1/14/2000	1/20/2000	1721
ENV99-01	E9901765BS	Lab. Blank Spike	Lab QC	BS	7782-49-2	Selenium	68			%	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-20-00_A	0120SEH - A	1/14/2000	1/20/2000	1724
ENV99-01	E9901765SR	House Ref. Liver	Tissue	HRL	7782-49-2	Selenium	0.470	0.005	EDL	ug/g	Wet Wt	1	0.446	105	11/2/1999	ICP, Hydride	VGICP_01-20-00_A	0120SEH - A	1/14/2000	1/20/2000	1727
ENV99-01	E9901765CS	Check Standard	Lab QC	CS	7782-49-2	Selenium	0.052	0.005	EDL	ug/g	Wet Wt	1	0.05	104	11/2/1999	ICP, Hydride	VGICP_01-20-00_A	0120SEH - A	1/14/2000	1/20/2000	1730
ENV99-01	E9901765B	Laboratory Blank	Lab QC	BLANK	7782-49-2	Selenium	-0.000742	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-20-00_A	0120SEH - A	1/14/2000	1/20/2000	1733
ENV99-01	E9901716B	Laboratory Blank	Lab QC	BLANK	7782-49-2	Selenium	-0.000862	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-21-00_A	0121SEH - A	1/13/2000	1/21/2000	1031
ENV99-01	E9901716CS	Check Standard	Lab QC	CS	7782-49-2	Selenium	0.051	0.005	EDL	ug/g	Wet Wt	1	0.05	102	11/2/1999	ICP, Hydride	VGICP_01-21-00_A	0121SEH - A	1/13/2000	1/21/2000	1033
ENV99-01	E9901716SR	House Ref. Liver	Tissue	HRL	7782-49-2	Selenium	0.450	0.005	EDL	ug/g	Wet Wt	1	0.446	101	11/2/1999	ICP, Hydride	VGICP_01-21-00_A	0121SEH - A	1/13/2000	1/21/2000	1036
ENV99-01	E9901716BS	Lab. Blank Spike	Lab QC	BS	7782-49-2	Selenium	96			%	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-21-00_A	0121SEH - A	1/13/2000	1/21/2000	1038
ENV99-01	E9901716	107-9-002807	Liver	Primary	7782-49-2	Selenium	0.300	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-21-00_A	0121SEH - A	1/13/2000	1/21/2000	1041
ENV99-01	E9901717	107-9-007918	Liver	Primary	7782-49-2	Selenium	0.760	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-21-00_A	0121SEH - A	1/13/2000	1/21/2000	1043
ENV99-01	E9901719	108-9-001232	Liver	Primary	7782-49-2	Selenium	0.620	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-21-00_A	0121SEH - A	1/13/2000	1/21/2000	1046
ENV99-01	E9901721	108-9-003843	Liver	Primary	7782-49-2	Selenium	0.360	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-21-00_A	0121SEH - A	1/13/2000	1/21/2000	1048
ENV99-01	E9901723	108-9-005351	Liver	Primary	7782-49-2	Selenium	0.640	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-21-00_A	0121SEH - A	1/13/2000	1/21/2000	1051

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UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV99-01	E9901724	112-9-000623	Liver	Primary	7782-49-2	Selenium	3.300	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-21-00_A	0121SEH - A	1/13/2000	1/21/2000	1053
ENV99-01	E9901725	125-9-001720	Liver	Primary	7782-49-2	Selenium	0.480	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-21-00_A	0121SEH - A	1/13/2000	1/21/2000	1056
ENV99-01	E9901726	125-9-002440	Liver	Primary	7782-49-2	Selenium	0.720	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-21-00_A	0121SEH - A	1/13/2000	1/21/2000	1059
ENV99-01	E9901727	125-9-000899	Liver	Primary	7782-49-2	Selenium	0.450	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-21-00_A	0121SEH - A	1/13/2000	1/21/2000	1101
ENV99-01	E9901727B	Laboratory Blank	Lab QC	BLANK	7782-49-2	Selenium	-0.000882	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-21-00_A	0121SEH - A	1/13/2000	1/21/2000	1104
ENV99-01	E9901727CS	Check Standard	Lab QC	CS	7782-49-2	Selenium	0.053	0.005	EDL	ug/g	Wet Wt	1	0.05	106	11/2/1999	ICP, Hydride	VGICP_01-21-00_A	0121SEH - A	1/13/2000	1/21/2000	1106
ENV99-01	E9901727BS	Lab. Blank Spike	Lab QC	BS	7782-49-2	Selenium	94			%	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-21-00_A	0121SEH - A	1/13/2000	1/21/2000	1113
ENV99-01	E9901727SR	House Ref. Liver	Tissue	HRL	7782-49-2	Selenium	0.440	0.005	EDL	ug/g	Wet Wt	1	0.446	99	11/2/1999	ICP, Hydride	VGICP_01-21-00_A	0121SEH - A	1/13/2000	1/21/2000	1115
ENV99-01	E9901728	202-9-003468	Liver	Triplicate	7782-49-2	Selenium	0.320	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-21-00_A	0121SEH - A	1/13/2000	1/21/2000	1118
ENV99-01	E9901728-2	202-9-003468	Liver	Triplicate	7782-49-2	Selenium	0.300	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-21-00_A	0121SEH - A	1/13/2000	1/21/2000	1120
ENV99-01	E9901728-3	202-9-003468	Liver	Triplicate	7782-49-2	Selenium	0.310	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-21-00_A	0121SEH - A	1/13/2000	1/21/2000	1123
ENV99-01	E9901728MS	202-9-003468-MS	Liver	MS	7782-49-2	Selenium	108			%	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-21-00_A	0121SEH - A	1/13/2000	1/21/2000	1125
ENV99-01	E9901729	202-9-003786	Liver	Primary	7782-49-2	Selenium	0.260	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-21-00_A	0121SEH - A	1/13/2000	1/21/2000	1128
ENV99-01	E9901730	202-9-005862	Liver	Triplicate	7782-49-2	Selenium	0.500	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-21-00_A	0121SEH - A	1/13/2000	1/21/2000	1130
ENV99-01	E9901730-2	202-9-005862	Liver	Triplicate	7782-49-2	Selenium	0.580	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-21-00_A	0121SEH - A	1/13/2000	1/21/2000	1133
ENV99-01	E9901730-3	202-9-005862	Liver	Triplicate	7782-49-2	Selenium	0.470	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-21-00_A	0121SEH - A	1/13/2000	1/21/2000	1135
ENV99-01	E9901730MS	202-9-005862-MS	Liver	MS	7782-49-2	Selenium	109			%	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-21-00_A	0121SEH - A	1/13/2000	1/21/2000	1138
ENV99-01	E9901731	202-9-007411	Liver	Primary	7782-49-2	Selenium	0.210	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-21-00_A	0121SEH - A	1/13/2000	1/21/2000	1141
ENV99-01	E9901733	202-9-502746	Liver	Primary	7782-49-2	Selenium	0.280	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-21-00_A	0121SEH - A	1/13/2000	1/21/2000	1143
ENV99-01	E9901734	218-9-000273	Liver	Primary	7782-49-2	Selenium	1.200	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-21-00_A	0121SEH - A	1/13/2000	1/21/2000	1146
ENV99-01	E9901736	352-9-000257	Liver	Primary	7782-49-2	Selenium	0.250	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-21-00_A	0121SEH - A	1/13/2000	1/21/2000	1149
ENV99-01	E9901737	803-9-00600	Liver	Primary	7782-49-2	Selenium	0.500	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-21-00_A	0121SEH - A	1/13/2000	1/21/2000	1151
ENV99-01	E9901737D	803-9-00600	Liver	Lab Duplicat	7782-49-2	Selenium	0.500	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-21-00_A	0121SEH - A	1/13/2000	1/21/2000	1154
ENV99-01	E9901737BS	Lab. Blank Spike	Lab QC	BS	7782-49-2	Selenium	100			%	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-21-00_A	0121SEH - A	1/13/2000	1/21/2000	1156
ENV99-01	E9901737SR	House Ref. Liver	Tissue	HRL	7782-49-2	Selenium	0.460	0.005	EDL	ug/g	Wet Wt	1	0.446	103	11/2/1999	ICP, Hydride	VGICP_01-21-00_A	0121SEH - A	1/13/2000	1/21/2000	1202
ENV99-01	E9901737CS	Check Standard	Lab QC	CS	7782-49-2	Selenium	0.054	0.005	EDL	ug/g	Wet Wt	1	0.05	108	11/2/1999	ICP, Hydride	VGICP_01-21-00_A	0121SEH - A	1/13/2000	1/21/2000	1205
ENV99-01	E9901737B	Laboratory Blank	Lab QC	BLANK	7782-49-2	Selenium	-0.00108	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-21-00_A	0121SEH - A	1/13/2000	1/21/2000	1207
ENV99-01	E9901766B	Laboratory Blank	Lab QC	BLANK	7782-49-2	Selenium	-0.000633	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-21-00_B	0121SEH - B	1/14/2000	1/21/2000	1446
ENV99-01	E9901766CS	Check Standard	Lab QC	CS	7782-49-2	Selenium	0.052	0.005	EDL	ug/g	Wet Wt	1	0.05	104	11/2/1999	ICP, Hydride	VGICP_01-21-00_B	0121SEH - B	1/14/2000	1/21/2000	1449
ENV99-01	E9901766SR	House Ref. Liver	Tissue	HRL	7782-49-2	Selenium	0.460	0.005	EDL	ug/g	Wet Wt	1	0.446	103	11/2/1999	ICP, Hydride	VGICP_01-21-00_B	0121SEH - B	1/14/2000	1/21/2000	1451
ENV99-01	E9901766BS	Lab. Blank Spike	Lab QC	BS	7782-49-2	Selenium	94			%	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-21-00_B	0121SEH - B	1/14/2000	1/21/2000	1454
ENV99-01	E9901766	101-9-026635	Muscle	Primary	7782-49-2	Selenium	0.100	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-21-00_B	0121SEH - B	1/14/2000	1/21/2000	1456
ENV99-01	E9901768	101-9-028332	Muscle	Primary	7782-49-2	Selenium	0.160	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-21-00_B	0121SEH - B	1/14/2000	1/21/2000	1459
ENV99-01	E9901769	101-9-028637	Muscle	Primary	7782-49-2	Selenium	0.290	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-21-00_B	0121SEH - B	1/14/2000	1/21/2000	1501
ENV99-01	E9901770	101-9-033823	Muscle	Primary	7782-49-2	Selenium	0.150	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-21-00_B	0121SEH - B	1/14/2000	1/21/2000	1506
ENV99-01	E9901770D	101-9-033823	Muscle	Lab Duplicat	7782-49-2	Selenium	0.160	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-21-00_B	0121SEH - B	1/14/2000	1/21/2000	1508
ENV99-01	E9901771	101-9-034278	Muscle	Primary	7782-49-2	Selenium	0.250	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-21-00_B	0121SEH - B	1/14/2000	1/21/2000	1511
ENV99-01	E9901774	101-9-048459	Muscle	Primary	7782-49-2	Selenium	0.850	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-21-00_B	0121SEH - B	1/14/2000	1/21/2000	1513
ENV99-01	E9901775	101-9-054687	Muscle	Triplicate	7782-49-2	Selenium	0.120	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-21-00_B	0121SEH - B	1/14/2000	1/21/2000	1516
ENV99-01	E9901775-2	101-9-054687	Muscle	Triplicate	7782-49-2	Selenium	0.120	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-21-00_B	0121SEH - B	1/14/2000	1/21/2000	1518
ENV99-01	E9901775-3	101-9-054687	Muscle	Triplicate	7782-49-2	Selenium	0.120	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-21-00_B	0121SEH - B	1/14/2000	1/21/2000	1521
ENV99-01	E9901775MS	101-9-054687-MS	Muscle	MS	7782-49-2	Selenium	97			%	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-21-00_B	0121SEH - B	1/14/2000	1/21/2000	1523
ENV99-01	E9901775B	Laboratory Blank	Lab QC	BLANK	7782-49-2	Selenium	-0.00157	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-21-00_B	0121SEH - B	1/14/2000	1/21/2000	1526
ENV99-01	E9901775CS	Check Standard	Lab QC	CS	7782-49-2	Selenium	0.049	0.005	EDL	ug/g	Wet Wt	1	0.05	98	11/2/1999	ICP, Hydride	VGICP_01-21-00_B	0121SEH - B	1/14/2000	1/21/2000	1528
ENV99-01	E9901775BS	Lab. Blank Spike	Lab QC	BS	7782-49-2	Selenium	84			%	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-21-00_B	0121SEH - B	1/14/2000	1/21/2000	1531
ENV99-01	E9901775SR	House Ref. Liver	Tissue	HRL	7782-49-2	Selenium	0.390	0.005	EDL	ug/g	Wet Wt	1	0.446	87	11/2/1999	ICP, Hydride	VGICP_01-21-00_B	0121SEH - B	1/14/2000	1/21/2000	1533
ENV99-01	E9901794B	Laboratory Blank	Lab QC	BLANK	7782-49-2	Selenium	-0.000938	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-24-00_A	0124SEH	1/21/2000	1/24/2000	1320
ENV99-01	E9901794CS	Check Standard	Lab QC	CS	7782-49-2	Selenium	0.049	0.005	EDL	ug/g	Wet Wt	1	0.05	98	11/2/1999	ICP, Hydride	VGICP_01-24-00_A	0124SEH	1/21/2000	1/24/2000	1322
ENV99-01	E9901794SR	House Ref. Liver	Tissue	HRL	7782-49-2	Selenium	0.450	0.005	EDL	ug/g	Wet Wt	1	0.446	101	11/2/1999	ICP, Hydride	VGICP_01-24-00_A	0124SEH	1/21/2000	1/24/2000	1326
ENV99-01	E9901794BS	Lab. Blank Spike	Lab QC	BS	7782-49-2	Selenium	100			%	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-24-00_A	0124SEH	1/21/2000	1/24/2000	1329
ENV99-01	E9901794	101-9-083966	Muscle	Primary	7782-49-2	Selenium	0.086	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-24-00_A	0124SEH	1/21/2000	1/24/2000	1331

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
SELENIUM BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV99-01	E9901807	102-9-010135	Muscle	Primary	7782-49-2	Selenium	0.120	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-24-00_A	0124SEH	1/21/2000	1/24/2000	1334
ENV99-01	E9901808	102-9-010277	Muscle	Primary	7782-49-2	Selenium	0.058	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-24-00_A	0124SEH	1/21/2000	1/24/2000	1336
ENV99-01	E9901809	102-9-010303	Muscle	Primary	7782-49-2	Selenium	0.310	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-24-00_A	0124SEH	1/21/2000	1/24/2000	1339
ENV99-01	E9901809D	102-9-010303	Muscle	Lab Duplicat	7782-49-2	Selenium	0.420	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-24-00_A	0124SEH	1/21/2000	1/24/2000	1341
ENV99-01	E9901813	102-9-012019	Muscle	Primary	7782-49-2	Selenium	0.140	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-24-00_A	0124SEH	1/21/2000	1/24/2000	1344
ENV99-01	E9901814	104-9-001284	Muscle	Primary	7782-49-2	Selenium	0.120	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-24-00_A	0124SEH	1/21/2000	1/24/2000	1346
ENV99-01	E9901815	104-9-005505	Muscle	Triplicate	7782-49-2	Selenium	0.300	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-24-00_A	0124SEH	1/21/2000	1/24/2000	1349
ENV99-01	E9901815-2	104-9-005505	Muscle	Triplicate	7782-49-2	Selenium	0.280	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-24-00_A	0124SEH	1/21/2000	1/24/2000	1351
ENV99-01	E9901815-3	104-9-005505	Muscle	Triplicate	7782-49-2	Selenium	0.350	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-24-00_A	0124SEH	1/21/2000	1/24/2000	1354
ENV99-01	E9901815MS	104-9-005505-MS	Muscle	MS	7782-49-2	Selenium	108			%	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-24-00_A	0124SEH	1/21/2000	1/24/2000	1357
ENV99-01	E9901817	104-9-009499	Muscle	Primary	7782-49-2	Selenium	0.150	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-24-00_A	0124SEH	1/21/2000	1/24/2000	1359
ENV99-01	E9901817B	Laboratory Blank	Lab QC	BLANK	7782-49-2	Selenium	-0.00279	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-24-00_A	0124SEH	1/21/2000	1/24/2000	1402
ENV99-01	E9901817CS	Check Standard	Lab QC	CS	7782-49-2	Selenium	0.057	0.005	EDL	ug/g	Wet Wt	1	0.05	114	11/2/1999	ICP, Hydride	VGICP_01-24-00_A	0124SEH	1/21/2000	1/24/2000	1404
ENV99-01	E9901817BS	Lab. Blank Spike	Lab QC	BS	7782-49-2	Selenium	102			%	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-24-00_A	0124SEH	1/21/2000	1/24/2000	1408
ENV99-01	E9901817SR	House Ref. Liver	Tissue	HRL	7782-49-2	Selenium	0.450	0.005	EDL	ug/g	Wet Wt	1	0.446	101	11/2/1999	ICP, Hydride	VGICP_01-24-00_A	0124SEH	1/21/2000	1/24/2000	1410
ENV99-01	E9901819	105-9-000606	Muscle	Primary	7782-49-2	Selenium	0.220	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-24-00_A	0124SEH	1/21/2000	1/24/2000	1413
ENV99-01	E9901820	105-9-006076	Muscle	Primary	7782-49-2	Selenium	0.071	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-24-00_A	0124SEH	1/21/2000	1/24/2000	1415
ENV99-01	E9901821	105-9-006125	Muscle	Triplicate	7782-49-2	Selenium	0.300	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-24-00_A	0124SEH	1/21/2000	1/24/2000	1418
ENV99-01	E9901821-2	105-9-006125	Muscle	Triplicate	7782-49-2	Selenium	0.250	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-24-00_A	0124SEH	1/21/2000	1/24/2000	1420
ENV99-01	E9901821-3	105-9-006125	Muscle	Triplicate	7782-49-2	Selenium	0.290	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-24-00_A	0124SEH	1/21/2000	1/24/2000	1423
ENV99-01	E9901821MS	105-9-006125-MS	Muscle	MS	7782-49-2	Selenium	107			%	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-24-00_A	0124SEH	1/21/2000	1/24/2000	1426
ENV99-01	E9901823	106-9-001250	Muscle	Primary	7782-49-2	Selenium	0.350	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-24-00_A	0124SEH	1/21/2000	1/24/2000	1428
ENV99-01	E9901824	106-9-006628	Muscle	Primary	7782-49-2	Selenium	0.130	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-24-00_A	0124SEH	1/21/2000	1/24/2000	1431
ENV99-01	E9901827	106-9-010309	Muscle	Primary	7782-49-2	Selenium	0.180	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-24-00_A	0124SEH	1/21/2000	1/24/2000	1433
ENV99-01	E9901829	107-9-002807	Muscle	Primary	7782-49-2	Selenium	0.120	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-24-00_A	0124SEH	1/21/2000	1/24/2000	1436
ENV99-01	E9901830	107-9-007918	Muscle	Primary	7782-49-2	Selenium	0.130	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-24-00_A	0124SEH	1/21/2000	1/24/2000	1438
ENV99-01	E9901832	108-9-001128	Muscle	Primary	7782-49-2	Selenium	0.170	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-24-00_A	0124SEH	1/21/2000	1/24/2000	1441
ENV99-01	E9901833	108-9-001232	Muscle	Primary	7782-49-2	Selenium	0.210	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-24-00_A	0124SEH	1/21/2000	1/24/2000	1443
ENV99-01	E9901827D	106-9-010309	Muscle	Lab Duplicat	7782-49-2	Selenium	0.190	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-24-00_A	0124SEH	1/21/2000	1/24/2000	1446
ENV99-01	E9901827BS	Lab. Blank Spike	Lab QC	BS	7782-49-2	Selenium	88			%	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-24-00_A	0124SEH	1/21/2000	1/24/2000	1448
ENV99-01	E9901827SR	House Ref. Liver	Tissue	HRL	7782-49-2	Selenium	0.460	0.005	EDL	ug/g	Wet Wt	1	0.446	103	11/2/1999	ICP, Hydride	VGICP_01-24-00_A	0124SEH	1/21/2000	1/24/2000	1451
ENV99-01	E9901827CS	Check Standard	Lab QC	CS	7782-49-2	Selenium	0.055	0.005	EDL	ug/g	Wet Wt	1	0.05	110	11/2/1999	ICP, Hydride	VGICP_01-24-00_A	0124SEH	1/21/2000	1/24/2000	1453
ENV99-01	E9901827B	Laboratory Blank	Lab QC	BLANK	7782-49-2	Selenium	-0.00205	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-24-00_A	0124SEH	1/21/2000	1/24/2000	1456
ENV99-01	E9901676B	Laboratory Blank	Lab QC	BLANK	7782-49-2	Selenium	-0.00121	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-24-00_B	0124SEHB	1/11/2000	1/24/2000	1604
ENV99-01	E9901676CS	Check Standard	Lab QC	CS	7782-49-2	Selenium	0.052	0.005	EDL	ug/g	Wet Wt	1	0.05	104	11/2/1999	ICP, Hydride	VGICP_01-24-00_B	0124SEHB	1/11/2000	1/24/2000	1606
ENV99-01	E9901676SR	House Ref. Liver	Tissue	HRL	7782-49-2	Selenium	0.420	0.005	EDL	ug/g	Wet Wt	1	0.446	94	11/2/1999	ICP, Hydride	VGICP_01-24-00_B	0124SEHB	1/11/2000	1/24/2000	1609
ENV99-01	E9901676BS	Lab. Blank Spike	Lab QC	BS	7782-49-2	Selenium	98			%	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-24-00_B	0124SEHB	1/11/2000	1/24/2000	1611
ENV99-01	E9901676	101-9-066053	Liver	Primary	7782-49-2	Selenium	2.500	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-24-00_B	0124SEHB	1/11/2000	1/24/2000	1614
ENV99-01	E9901677	101-9-067130	Liver	Primary	7782-49-2	Selenium	2.100	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-24-00_B	0124SEHB	1/11/2000	1/24/2000	1617
ENV99-01	E9901678	101-9-067901	Liver	Primary	7782-49-2	Selenium	0.480	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-24-00_B	0124SEHB	1/11/2000	1/24/2000	1620
ENV99-01	E9901679	101-9-069187	Liver	Primary	7782-49-2	Selenium	2.600	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-24-00_B	0124SEHB	1/11/2000	1/24/2000	1622
ENV99-01	E9901680	101-9-072990	Liver	Primary	7782-49-2	Selenium	0.290	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-24-00_B	0124SEHB	1/11/2000	1/24/2000	1625
ENV99-01	E9901680D	101-9-072990	Liver	Lab Duplicat	7782-49-2	Selenium	0.280	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-24-00_B	0124SEHB	1/11/2000	1/24/2000	1628
ENV99-01	E9901681	101-9-074150	Liver	Primary	7782-49-2	Selenium	0.400	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-24-00_B	0124SEHB	1/11/2000	1/24/2000	1631
ENV99-01	E9901682	101-9-074844	Liver	Primary	7782-49-2	Selenium	0.340	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-24-00_B	0124SEHB	1/11/2000	1/24/2000	1633
ENV99-01	E9901683	101-9-075567	Liver	Primary	7782-49-2	Selenium	0.630	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-24-00_B	0124SEHB	1/11/2000	1/24/2000	1636
ENV99-01	E9901684	101-9-081312	Liver	Primary	7782-49-2	Selenium	0.520	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-24-00_B	0124SEHB	1/11/2000	1/24/2000	1638
ENV99-01	E9901685	101-9-082092	Liver	Triplicate	7782-49-2	Selenium	0.550	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-24-00_B	0124SEHB	1/11/2000	1/24/2000	1641
ENV99-01	E9901685-2	101-9-082092	Liver	Triplicate	7782-49-2	Selenium	0.430	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-24-00_B	0124SEHB	1/11/2000	1/24/2000	1643
ENV99-01	E9901685-3	101-9-082092	Liver	Triplicate	7782-49-2	Selenium	0.490	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-24-00_B	0124SEHB	1/11/2000	1/24/2000	1646
ENV99-01	E9901685MS	101-9-082092-MS	Liver	MS	7782-49-2	Selenium	104			%	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-24-00_B	0124SEHB	1/11/2000	1/24/2000	1648

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
SELENIUM BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV99-01	E9901685B	Laboratory Blank	Lab QC	BLANK	7782-49-2	Selenium	-0.00197	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-24-00_B	0124SEHB	1/11/2000	1/24/2000	1651
ENV99-01	E9901685CS	Check Standard	Lab QC	CS	7782-49-2	Selenium	0.050	0.005	EDL	ug/g	Wet Wt	1	0.05	100	11/2/1999	ICP, Hydride	VGICP_01-24-00_B	0124SEHB	1/11/2000	1/24/2000	1654
ENV99-01	E9901685BS	Lab. Blank Spike	Lab QC	BS	7782-49-2	Selenium	96			%	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-24-00_B	0124SEHB	1/11/2000	1/24/2000	1656
ENV99-01	E9901685SR	House Ref. Liver	Tissue	HRL	7782-49-2	Selenium	0.370	0.005	EDL	ug/g	Wet Wt	1	0.446	83	11/2/1999	ICP, Hydride	VGICP_01-24-00_B	0124SEHB	1/11/2000	1/24/2000	1659
ENV99-01	E9901687	101-9-083966	Liver	Primary	7782-49-2	Selenium	0.330	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-24-00_B	0124SEHB	1/11/2000	1/24/2000	1704
ENV99-01	E9901688	102-9-000978	Liver	Primary	7782-49-2	Selenium	0.170	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-24-00_B	0124SEHB	1/11/2000	1/24/2000	1707
ENV99-01	E9901689	102-9-003510	Liver	Primary	7782-49-2	Selenium	0.230	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-24-00_B	0124SEHB	1/11/2000	1/24/2000	1709
ENV99-01	E9901686	101-9-082893	Liver	Primary	7782-49-2	Selenium	0.810	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-24-00_B	0124SEHB	1/11/2000	1/24/2000	1712
ENV99-01	E9901691	102-9-008618	Liver	Primary	7782-49-2	Selenium	3.600	0.005	EDL	ug/g	Wet Wt	10			11/2/1999	ICP, Hydride	VGICP_01-24-00_B	0124SEHB	1/11/2000	1/24/2000	1723
ENV99-01	E9901691D	102-9-008618	Liver	Lab Duplicat	7782-49-2	Selenium	3.800	0.005	EDL	ug/g	Wet Wt	10			11/2/1999	ICP, Hydride	VGICP_01-24-00_B	0124SEHB	1/11/2000	1/24/2000	1725
ENV99-01	E9901694	102-9-009651	Liver	Primary	7782-49-2	Selenium	3.800	0.005	EDL	ug/g	Wet Wt	10			11/2/1999	ICP, Hydride	VGICP_01-24-00_B	0124SEHB	1/11/2000	1/24/2000	1728
ENV99-01	E9901694BS	Lab. Blank Spike	Lab QC	BS	7782-49-2	Selenium	92			%	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-24-00_B	0124SEHB	1/11/2000	1/24/2000	1733
ENV99-01	E9901694SR	House Ref. Liver	Tissue	HRL	7782-49-2	Selenium	0.430	0.005	EDL	ug/g	Wet Wt	1	0.446	96	11/2/1999	ICP, Hydride	VGICP_01-24-00_B	0124SEHB	1/11/2000	1/24/2000	1735
ENV99-01	E9901694CS	Check Standard	Lab QC	CS	7782-49-2	Selenium	0.049	0.005	EDL	ug/g	Wet Wt	1	0.05	98	11/2/1999	ICP, Hydride	VGICP_01-24-00_B	0124SEHB	1/11/2000	1/24/2000	1738
ENV99-01	E9901694B	Laboratory Blank	Lab QC	BLANK	7782-49-2	Selenium	-0.00192	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-24-00_B	0124SEHB	1/11/2000	1/24/2000	1740
ENV99-01	E9901698B	Laboratory Blank	Lab QC	BLANK	7782-49-2	Selenium	-0.000640	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP 01-25-00	0125SEH	1/12/2000	1/25/2000	1256
ENV99-01	E9901698CS	Check Standard	Lab QC	CS	7782-49-2	Selenium	0.052	0.005	EDL	ug/g	Wet Wt	1	0.05	104	11/2/1999	ICP, Hydride	VGICP 01-25-00	0125SEH	1/12/2000	1/25/2000	1259
ENV99-01	E9901698SR	House Ref. Liver	Tissue	HRL	7782-49-2	Selenium	0.460	0.005	EDL	ug/g	Wet Wt	1	0.446	103	11/2/1999	ICP, Hydride	VGICP 01-25-00	0125SEH	1/12/2000	1/25/2000	1301
ENV99-01	E9901698BS	Lab. Blank Spike	Lab QC	BS	7782-49-2	Selenium	96			%	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP 01-25-00	0125SEH	1/12/2000	1/25/2000	1304
ENV99-01	E9901698	102-9-012019	Liver	Primary	7782-49-2	Selenium	0.640	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP 01-25-00	0125SEH	1/12/2000	1/25/2000	1309
ENV99-01	E9901699	104-9-001284	Liver	Primary	7782-49-2	Selenium	0.580	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP 01-25-00	0125SEH	1/12/2000	1/25/2000	1312
ENV99-01	E9901699D	104-9-001284	Liver	Lab Duplicat	7782-49-2	Selenium	0.580	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP 01-25-00	0125SEH	1/12/2000	1/25/2000	1314
ENV99-01	E9901697	102-9-010303	Liver	Primary	7782-49-2	Selenium	6.000	0.005	EDL	ug/g	Wet Wt	10			11/2/1999	ICP, Hydride	VGICP 01-25-00	0125SEH	1/12/2000	1/25/2000	1326
ENV99-01	E9901700	104-9-005505	Liver	Triplicate	7782-49-2	Selenium	6.800	0.005	EDL	ug/g	Wet Wt	10			11/2/1999	ICP, Hydride	VGICP 01-25-00	0125SEH	1/12/2000	1/25/2000	1328
ENV99-01	E9901700-2	104-9-005505	Liver	Triplicate	7782-49-2	Selenium	5.700	0.005	EDL	ug/g	Wet Wt	10			11/2/1999	ICP, Hydride	VGICP 01-25-00	0125SEH	1/12/2000	1/25/2000	1331
ENV99-01	E9901700-3	104-9-005505	Liver	Triplicate	7782-49-2	Selenium	5.000	0.005	EDL	ug/g	Wet Wt	10			11/2/1999	ICP, Hydride	VGICP 01-25-00	0125SEH	1/12/2000	1/25/2000	1334
ENV99-01	E9901702	104-9-008160	Liver	Primary	7782-49-2	Selenium	0.380	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP 01-25-00	0125SEH	1/12/2000	1/25/2000	1342
ENV99-01	E9901703	104-9-009499	Liver	Primary	7782-49-2	Selenium	1.200	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP 01-25-00	0125SEH	1/12/2000	1/25/2000	1344
ENV99-01	E9901704	104-9-011485	Liver	Primary	7782-49-2	Selenium	2.800	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP 01-25-00	0125SEH	1/12/2000	1/25/2000	1347
ENV99-01	E9901705	105-9-000606	Liver	Primary	7782-49-2	Selenium	1.100	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP 01-25-00	0125SEH	1/12/2000	1/25/2000	1350
ENV99-01	E9901706	105-9-006076	Liver	Primary	7782-49-2	Selenium	0.270	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP 01-25-00	0125SEH	1/12/2000	1/25/2000	1353
ENV99-01	E9901701	104-9-006297	Liver	Primary	7782-49-2	Selenium	5.800	0.005	EDL	ug/g	Wet Wt	10			11/2/1999	ICP, Hydride	VGICP 01-25-00	0125SEH	1/12/2000	1/25/2000	1355
ENV99-01	E9901706B	Laboratory Blank	Lab QC	BLANK	7782-49-2	Selenium	-0.000527	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP 01-25-00	0125SEH	1/12/2000	1/25/2000	1358
ENV99-01	E9901706BS	Lab. Blank Spike	Lab QC	BS	7782-49-2	Selenium	98			%	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP 01-25-00	0125SEH	1/12/2000	1/25/2000	1400
ENV99-01	E9901706SR	House Ref. Liver	Tissue	HRL	7782-49-2	Selenium	0.490	0.005	EDL	ug/g	Wet Wt	1	0.446	110	11/2/1999	ICP, Hydride	VGICP 01-25-00	0125SEH	1/12/2000	1/25/2000	1405
ENV99-01	E9901706CS	Check Standard	Lab QC	CS	7782-49-2	Selenium	0.054	0.005	EDL	ug/g	Wet Wt	1	0.05	108	11/2/1999	ICP, Hydride	VGICP 01-25-00	0125SEH	1/12/2000	1/25/2000	1408
ENV99-01	E9901707	105-9-006125	Liver	Triplicate	7782-49-2	Selenium	6.600	0.005	EDL	ug/g	Wet Wt	10			11/2/1999	ICP, Hydride	VGICP 01-25-00	0125SEH	1/12/2000	1/25/2000	1422
ENV99-01	E9901707-2	105-9-006125	Liver	Triplicate	7782-49-2	Selenium	6.400	0.005	EDL	ug/g	Wet Wt	10			11/2/1999	ICP, Hydride	VGICP 01-25-00	0125SEH	1/12/2000	1/25/2000	1424
ENV99-01	E9901707-3	105-9-006125	Liver	Triplicate	7782-49-2	Selenium	6.500	0.005	EDL	ug/g	Wet Wt	10			11/2/1999	ICP, Hydride	VGICP 01-25-00	0125SEH	1/12/2000	1/25/2000	1427
ENV99-01	E9901708	106-9-001250	Liver	Primary	7782-49-2	Selenium	2.000	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP 01-25-00	0125SEH	1/12/2000	1/25/2000	1432
ENV99-01	E9901711	106-9-006628	Liver	Primary	7782-49-2	Selenium	0.500	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP 01-25-00	0125SEH	1/12/2000	1/25/2000	1435
ENV99-01	E9901711D	106-9-006628	Liver	Lab Duplicat	7782-49-2	Selenium	0.460	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP 01-25-00	0125SEH	1/12/2000	1/25/2000	1438
ENV99-01	E9901712	106-9-007118	Liver	Primary	7782-49-2	Selenium	0.310	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP 01-25-00	0125SEH	1/12/2000	1/25/2000	1440
ENV99-01	E9901714	106-9-010309	Liver	Primary	7782-49-2	Selenium	0.380	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP 01-25-00	0125SEH	1/12/2000	1/25/2000	1443
ENV99-01	E9901714SR	House Ref. Liver	Tissue	HRL	7782-49-2	Selenium	0.450	0.005	EDL	ug/g	Wet Wt	1	0.446	101	11/2/1999	ICP, Hydride	VGICP 01-25-00	0125SEH	1/12/2000	1/25/2000	1448
ENV99-01	E9901714CS	Check Standard	Lab QC	CS	7782-49-2	Selenium	0.052	0.005	EDL	ug/g	Wet Wt	1	0.05	104	11/2/1999	ICP, Hydride	VGICP 01-25-00	0125SEH	1/12/2000	1/25/2000	1450
ENV99-01	E9901714B	Laboratory Blank	Lab QC	BLANK	7782-49-2	Selenium	-0.000649	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP 01-25-00	0125SEH	1/12/2000	1/25/2000	1453
ENV99-01	E9901714BS	Lab. Blank Spike	Lab QC	BS	7782-49-2	Selenium	102			%	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP 01-25-00	0125SEH	1/12/2000	1/25/2000	1527
ENV99-01	E9901835CS	SEH2	Lab QC	CS	7782-49-2	Selenium	0.050	0.005	EDL	ug/g	Wet Wt	1	0.05	100	11/2/1999	ICP, Hydride	VGICP_01-27-00_B	0127semw	1/19/2000	1/27/2000	1220
ENV99-01	E9901835SR	House Ref. Liver	Tissue	HRL	7782-49-2	Selenium	0.350	0.005	EDL	ug/g	Wet Wt	1	0.446	78	11/2/1999	ICP, Hydride	VGICP_01-27-00_B	0127semw	1/19/2000	1/27/2000	1222
ENV99-01	E9901835	108-9-003843	Muscle	Primary	7782-49-2	Selenium	0.140	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-27-00_B	0127semw	1/19/2000	1/27/2000	1225

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
SELENIUM BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV99-01	E9901837	108-9-005351	Muscle	Primary	7782-49-2	Selenium	0.120	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-27-00_B	0127semw	1/19/2000	1/27/2000	1228
ENV99-01	E9901838	112-9-000623	Muscle	Primary	7782-49-2	Selenium	0.360	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-27-00_B	0127semw	1/19/2000	1/27/2000	1231
ENV99-01	E9901839	125-9-001720	Muscle	Primary	7782-49-2	Selenium	0.110	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-27-00_B	0127semw	1/19/2000	1/27/2000	1234
ENV99-01	E9901840	125-9-002440	Muscle	Primary	7782-49-2	Selenium	0.200	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-27-00_B	0127semw	1/19/2000	1/27/2000	1237
ENV99-01	E9901842	202-9-005862	Muscle	Triplicate	7782-49-2	Selenium	0.085	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-27-00_B	0127semw	1/19/2000	1/27/2000	1240
ENV99-01	E9901842-2	202-9-005862	Muscle	Triplicate	7782-49-2	Selenium	0.095	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-27-00_B	0127semw	1/19/2000	1/27/2000	1243
ENV99-01	E9901842-3	202-9-005862	Muscle	Triplicate	7782-49-2	Selenium	0.095	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-27-00_B	0127semw	1/19/2000	1/27/2000	1245
ENV99-01	E9901842MS	202-9-005862-MS	Muscle	MS	7782-49-2	Selenium	94			%	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-27-00_B	0127semw	1/19/2000	1/27/2000	1248
ENV99-01	E9901844	202-9-007411	Muscle	Primary	7782-49-2	Selenium	0.077	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-27-00_B	0127semw	1/19/2000	1/27/2000	1251
ENV99-01	E9901845	202-9-502746	Muscle	Primary	7782-49-2	Selenium	0.140	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-27-00_B	0127semw	1/19/2000	1/27/2000	1254
ENV99-01	E9901846	202-9-502746	Muscle	Primary	7782-49-2	Selenium	0.120	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-27-00_B	0127semw	1/19/2000	1/27/2000	1257
ENV99-01	E9901846B	Laboratory Blank	Lab QC	BLANK	7782-49-2	Selenium	-0.000251	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-27-00_B	0127semw	1/19/2000	1/27/2000	1300
ENV99-01	E9901846CS	Check Standard	Lab QC	CS	7782-49-2	Selenium	0.050	0.005	EDL	ug/g	Wet Wt	1	0.05	100	11/2/1999	ICP, Hydride	VGICP_01-27-00_B	0127semw	1/19/2000	1/27/2000	1303
ENV99-01	E9901846BS	Lab. Blank Spike	Lab QC	BS	7782-49-2	Selenium	100			%	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-27-00_B	0127semw	1/19/2000	1/27/2000	1305
ENV99-01	E9901846SR	House Ref. Liver	Tissue	HRL	7782-49-2	Selenium	0.360	0.005	EDL	ug/g	Wet Wt	1	0.446	81	11/2/1999	ICP, Hydride	VGICP_01-27-00_B	0127semw	1/19/2000	1/27/2000	1308
ENV99-01	E9901849	803-9-00600	Muscle	Primary	7782-49-2	Selenium	0.110	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-27-00_B	0127semw	1/19/2000	1/27/2000	1311
ENV99-01	E9901849D	221-9-000013	Muscle	Lab Duplicat	7782-49-2	Selenium	0.140	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-27-00_B	0127semw	1/19/2000	1/27/2000	1314
ENV99-01	E9901850	101-9-018227	Liver	Primary	7782-49-2	Selenium	2.100	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-27-00_B	0127semw	1/19/2000	1/27/2000	1317
ENV99-01	E9901850B	Laboratory Blank	Lab QC	BLANK	7782-49-2	Selenium	0.00119	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-27-00_B	0127semw	1/19/2000	1/27/2000	1331
ENV99-01	E9901850CS	Check Standard	Lab QC	CS	7782-49-2	Selenium	0.050	0.005	EDL	ug/g	Wet Wt	1	0.05	100	11/2/1999	ICP, Hydride	VGICP_01-27-00_B	0127semw	1/19/2000	1/27/2000	1334
ENV99-01	E9901850BS	Lab. Blank Spike	Lab QC	BS	7782-49-2	Selenium	100			%	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-27-00_B	0127semw	1/19/2000	1/27/2000	1337
ENV99-01	E9901850SR	House Ref. Liver	Tissue	HRL	7782-49-2	Selenium	0.500	0.005	EDL	ug/g	Wet Wt	1	0.446	112	11/2/1999	ICP, Hydride	VGICP_01-27-00_B	0127semw	1/19/2000	1/27/2000	1343
ENV99-03	E9901925CS	SEH2	Lab QC	CS	7782-49-2	Selenium	0.052	0.005	EDL	ug/g	Wet Wt	1	0.05	104	11/12/1999	ICP, Hydride	VGICP_01-27-00_A	0126semw	1/25/2000	1/27/2000	832
ENV99-03	E9901925B	Laboratory Blank	Lab QC	BLANK	7782-49-2	Selenium	0.000205	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-27-00_A	0126semw	1/25/2000	1/27/2000	836
ENV99-03	E9901925SR	House Ref. Liver	Tissue	HRL	7782-49-2	Selenium	0.440	0.005	EDL	ug/g	Wet Wt	1	0.446	99	11/12/1999	ICP, Hydride	VGICP_01-27-00_A	0126semw	1/25/2000	1/27/2000	840
ENV99-03	E9901925	101-9-062802	Liver	Triplicate	7782-49-2	Selenium	1.800	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-27-00_A	0126semw	1/25/2000	1/27/2000	843
ENV99-03	E9901925-2	101-9-062802	Liver	Triplicate	7782-49-2	Selenium	1.900	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-27-00_A	0126semw	1/25/2000	1/27/2000	846
ENV99-03	E9901925-3	101-9-062802	Liver	Triplicate	7782-49-2	Selenium	2.200	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-27-00_A	0126semw	1/25/2000	1/27/2000	849
ENV99-03	E9901925MS	101-9-062802-MS	Liver	MS	7782-49-2	Selenium	142			%	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-27-00_A	0126semw	1/25/2000	1/27/2000	852
ENV99-03	E9901926	101-9-063339	Liver	Primary	7782-49-2	Selenium	0.260	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-27-00_A	0126semw	1/25/2000	1/27/2000	855
ENV99-03	E9901930	101-9-072423	Liver	Primary	7782-49-2	Selenium	0.390	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-27-00_A	0126semw	1/25/2000	1/27/2000	907
ENV99-03	E9901931	101-9-073654	Liver	Primary	7782-49-2	Selenium	0.420	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-27-00_A	0126semw	1/25/2000	1/27/2000	910
ENV99-03	E9901932	101-9-075445	Liver	Primary	7782-49-2	Selenium	0.340	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-27-00_A	0126semw	1/25/2000	1/27/2000	912
ENV99-03	E9901935	101-9-081257	Liver	Primary	7782-49-2	Selenium	0.350	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-27-00_A	0126semw	1/25/2000	1/27/2000	915
ENV99-03	E9901935B	Laboratory Blank	Lab QC	BLANK	7782-49-2	Selenium	0.0009460	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-27-00_A	0126semw	1/25/2000	1/27/2000	921
ENV99-03	E9901935CS	Check Standard	Lab QC	CS	7782-49-2	Selenium	0.054	0.005	EDL	ug/g	Wet Wt	1	0.05	108	11/12/1999	ICP, Hydride	VGICP_01-27-00_A	0126semw	1/25/2000	1/27/2000	923
ENV99-03	E9901935BS	Lab. Blank Spike	Lab QC	BS	7782-49-2	Selenium	104			%	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-27-00_A	0126semw	1/25/2000	1/27/2000	926
ENV99-03	E9901935SR	House Ref. Liver	Tissue	HRL	7782-49-2	Selenium	0.500	0.005	EDL	ug/g	Wet Wt	1	0.446	112	11/12/1999	ICP, Hydride	VGICP_01-27-00_A	0126semw	1/25/2000	1/27/2000	929
ENV99-03	E9901936	101-9-082849	Liver	Triplicate	7782-49-2	Selenium	0.800	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-27-00_A	0126semw	1/25/2000	1/27/2000	932
ENV99-03	E9901936-2	101-9-082849	Liver	Triplicate	7782-49-2	Selenium	0.680	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-27-00_A	0126semw	1/25/2000	1/27/2000	935
ENV99-03	E9901936-3	101-9-082849	Liver	Triplicate	7782-49-2	Selenium	0.900	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-27-00_A	0126semw	1/25/2000	1/27/2000	938
ENV99-03	E9901936MS	101-9-082849-MS	Liver	MS	7782-49-2	Selenium	106			%	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-27-00_A	0126semw	1/25/2000	1/27/2000	941
ENV99-03	E9901936B	Laboratory Blank	Lab QC	BLANK	7782-49-2	Selenium	0.00469	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-27-00_A	0126semw	1/25/2000	1/27/2000	1025
ENV99-03	E9901936CS	Check Standard	Lab QC	CS	7782-49-2	Selenium	0.057	0.005	EDL	ug/g	Wet Wt	1	0.05	114	11/12/1999	ICP, Hydride	VGICP_01-27-00_A	0126semw	1/25/2000	1/27/2000	1028
ENV99-03	E9901936BS	Lab. Blank Spike	Lab QC	BS	7782-49-2	Selenium	104			%	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-27-00_A	0126semw	1/25/2000	1/27/2000	1031
ENV99-03	E9901936SR	House Ref. Liver	Tissue	HRL	7782-49-2	Selenium	0.540	0.005	EDL	ug/g	Wet Wt	1	0.446	121	11/12/1999	ICP, Hydride	VGICP_01-27-00_A	0126semw	1/25/2000	1/27/2000	1034
ENV99-03	E9901927	101-9-064273	Liver	Primary	7782-49-2	Selenium	2.700	0.005	EDL	ug/g	Wet Wt	10			11/12/1999	ICP, Hydride	VGICP_01-27-00_A	0126semw	1/25/2000	1/27/2000	1037
ENV99-03	E9901928	101-9-069460	Liver	Primary	7782-49-2	Selenium	10.000	0.005	EDL	ug/g	Wet Wt	10			11/12/1999	ICP, Hydride	VGICP_01-27-00_A	0126semw	1/25/2000	1/27/2000	1040
ENV99-03	E9901928D	101-9-069460	Liver	Lab Duplicat	7782-49-2	Selenium	8.800	0.005	EDL	ug/g	Wet Wt	10			11/12/1999	ICP, Hydride	VGICP_01-27-00_A	0126semw	1/25/2000	1/27/2000	1043
ENV99-03	E9901937	101-9-084603	Liver	Primary	7782-49-2	Selenium	4.500	0.005	EDL	ug/g	Wet Wt	10			11/12/1999	ICP, Hydride	VGICP_01-27-00_A	0126semw	1/25/2000	1/27/2000	1047
ENV99-03	E9901938	102-9-005611	Liver	Primary	7782-49-2	Selenium	3.000	0.005	EDL	ug/g	Wet Wt	10			11/12/1999	ICP, Hydride	VGICP_01-27-00_A	0126semw	1/25/2000	1/27/2000	1050

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
SELENIUM BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV99-03	E9901939	102-9-007374	Liver	Primary	7782-49-2	Selenium	7.900	0.005	EDL	ug/g	Wet Wt	10			11/12/1999	ICP, Hydride	VGICP_01-27-00_A	0126semw	1/25/2000	1/27/2000	1053
ENV99-03	E9901939D	102-9-007374	Liver	Lab Duplicat	7782-49-2	Selenium	8.500	0.005	EDL	ug/g	Wet Wt	10			11/12/1999	ICP, Hydride	VGICP_01-27-00_A	0126semw	1/25/2000	1/27/2000	1056
ENV99-03	E9901939SR	House Ref. Liver	Tissue	HRL	7782-49-2	Selenium	0.500	0.005	EDL	ug/g	Wet Wt	1	0.446	112	11/12/1999	ICP, Hydride	VGICP_01-27-00_A	0126semw	1/25/2000	1/27/2000	1100
ENV99-03	E9901891B	Laboratory Blank	Lab QC	BLANK	7782-49-2	Selenium	-0.000723	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-28-00_A	0128semw	1/4/2000	1/28/2000	927
ENV99-03	E9901891SR	House Ref. Liver	Tissue	HRL	7782-49-2	Selenium	0.490	0.005	EDL	ug/g	Wet Wt	1	0.446	110	11/12/1999	ICP, Hydride	VGICP_01-28-00_A	0128semw	1/4/2000	1/28/2000	931
ENV99-03	E9901891	101-9-000540	Liver	Primary	7782-49-2	Selenium	0.520	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-28-00_A	0128semw	1/4/2000	1/28/2000	934
ENV99-03	E9901892	101-9-001509	Liver	Primary	7782-49-2	Selenium	0.340	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-28-00_A	0128semw	1/4/2000	1/28/2000	936
ENV99-03	E9901893	101-9-003717	Liver	Primary	7782-49-2	Selenium	13.000	0.005	EDL	ug/g	Wet Wt	10			11/12/1999	ICP, Hydride	VGICP_01-28-00_A	0128semw	1/4/2000	1/28/2000	939
ENV99-03	E9901894	101-9-003781	Liver	Primary	7782-49-2	Selenium	0.340	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-28-00_A	0128semw	1/4/2000	1/28/2000	942
ENV99-03	E9901895	101-9-005127	Liver	Primary	7782-49-2	Selenium	0.510	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-28-00_A	0128semw	1/4/2000	1/28/2000	945
ENV99-03	E9901896	101-9-006611	Liver	Primary	7782-49-2	Selenium	0.950	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-28-00_A	0128semw	1/4/2000	1/28/2000	948
ENV99-03	E9901897	101-9-006617	Liver	Triplicate	7782-49-2	Selenium	0.320	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-28-00_A	0128semw	1/4/2000	1/28/2000	951
ENV99-03	E9901897-2	101-9-006617	Liver	Triplicate	7782-49-2	Selenium	0.460	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-28-00_A	0128semw	1/4/2000	1/28/2000	954
ENV99-03	E9901897-3	101-9-006617	Liver	Triplicate	7782-49-2	Selenium	0.370	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-28-00_A	0128semw	1/4/2000	1/28/2000	956
ENV99-03	E9901897MS	101-9-006617-MS	Liver	MS	7782-49-2	Selenium	115			%	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-28-00_A	0128semw	1/4/2000	1/28/2000	959
ENV99-03	E9901899	101-9-009231	Liver	Primary	7782-49-2	Selenium	0.400	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-28-00_A	0128semw	1/4/2000	1/28/2000	1002
ENV99-03	E9901899D	101-9-009231	Liver	Lab Duplicat	7782-49-2	Selenium	0.390	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-28-00_A	0128semw	1/4/2000	1/28/2000	1005
ENV99-03	E9901899B	Laboratory Blank	Lab QC	BLANK	7782-49-2	Selenium	-0.000402	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-28-00_A	0128semw	1/4/2000	1/28/2000	1008
ENV99-03	E9901899CS	Check Standard	Lab QC	CS	7782-49-2	Selenium	0.052	0.005	EDL	ug/g	Wet Wt	1	0.05	104	11/12/1999	ICP, Hydride	VGICP_01-28-00_A	0128semw	1/4/2000	1/28/2000	1011
ENV99-03	E9901899BS	Lab. Blank Spike	Lab QC	BS	7782-49-2	Selenium	104			%	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-28-00_A	0128semw	1/4/2000	1/28/2000	1013
ENV99-03	E9901899SR	House Ref. Liver	Tissue	HRL	7782-49-2	Selenium	0.500	0.005	EDL	ug/g	Wet Wt	1	0.446	112	11/12/1999	ICP, Hydride	VGICP_01-28-00_A	0128semw	1/4/2000	1/28/2000	1016
ENV99-03	E9901900	101-9-009926	Liver	Primary	7782-49-2	Selenium	0.560	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-28-00_A	0128semw	1/4/2000	1/28/2000	1019
ENV99-03	E9901901	101-9-010800	Liver	Primary	7782-49-2	Selenium	0.260	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-28-00_A	0128semw	1/4/2000	1/28/2000	1022
ENV99-03	E9901902	101-9-012050	Liver	Primary	7782-49-2	Selenium	0.600	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-28-00_A	0128semw	1/4/2000	1/28/2000	1025
ENV99-03	E9901903	101-9-018310	Liver	Primary	7782-49-2	Selenium	0.730	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-28-00_A	0128semw	1/4/2000	1/28/2000	1028
ENV99-03	E9901904	101-9-018408	Liver	Primary	7782-49-2	Selenium	0.540	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-28-00_A	0128semw	1/4/2000	1/28/2000	1031
ENV99-03	E9901905	101-9-020486	Liver	Primary	7782-49-2	Selenium	0.760	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-28-00_A	0128semw	1/4/2000	1/28/2000	1034
ENV99-03	E9901906	101-9-020534	Liver	Primary	7782-49-2	Selenium	0.480	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-28-00_A	0128semw	1/4/2000	1/28/2000	1037
ENV99-03	E9901906D	101-9-020534	Liver	Lab Duplicat	7782-49-2	Selenium	0.470	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-28-00_A	0128semw	1/4/2000	1/28/2000	1039
ENV99-03	E9901906B	Laboratory Blank	Lab QC	BLANK	7782-49-2	Selenium	-0.000225	0.005	EDL	ug/g	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-28-00_A	0128semw	1/4/2000	1/28/2000	1042
ENV99-03	E9901906BS	Lab. Blank Spike	Lab QC	BS	7782-49-2	Selenium	103			%	Wet Wt	1			11/12/1999	ICP, Hydride	VGICP_01-28-00_A	0128semw	1/4/2000	1/28/2000	1045
ENV99-03	E9901906SR	House Ref. Liver	Tissue	HRL	7782-49-2	Selenium	0.510	0.005	EDL	ug/g	Wet Wt	1	0.446	114	11/12/1999	ICP, Hydride	VGICP_01-28-00_A	0128semw	1/4/2000	1/28/2000	1048
ENV99-01	E9901644	101-9-001192	Liver	Triplicate	7782-49-2	Selenium	0.540	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-28-00_B	0129semw	1/24/2000	1/28/2000	1337
ENV99-01	E9901644-2	101-9-001192	Liver	Triplicate	7782-49-2	Selenium	0.530	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-28-00_B	0129semw	1/24/2000	1/28/2000	1340
ENV99-01	E9901644-3	101-9-001192	Liver	Triplicate	7782-49-2	Selenium	0.550	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-28-00_B	0129semw	1/24/2000	1/28/2000	1343
ENV99-01	E9901644MS	101-9-001192-MS	Liver	MS	7782-49-2	Selenium	96			%	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-28-00_B	0129semw	1/24/2000	1/28/2000	1346
ENV99-01	E9901644SR	House Ref. Liver	Tissue	HRL	7782-49-2	Selenium	0.480	0.005	EDL	ug/g	Wet Wt	1	0.446	108	11/2/1999	ICP, Hydride	VGICP_01-28-00_B	0129semw	1/24/2000	1/28/2000	1335
ENV99-01	E9901645	101-9-003744	Liver	Primary	7782-49-2	Selenium	0.290	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-28-00_B	0129semw	1/24/2000	1/28/2000	1349
ENV99-01	E9901646	101-9-003836	Liver	Primary	7782-49-2	Selenium	1.000	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-28-00_B	0129semw	1/24/2000	1/28/2000	1352
ENV99-01	E9901648	101-9-008142	Liver	Primary	7782-49-2	Selenium	1.300	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-28-00_B	0129semw	1/24/2000	1/28/2000	1355
ENV99-01	E9901649	101-9-009603	Liver	Primary	7782-49-2	Selenium	0.600	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-28-00_B	0129semw	1/24/2000	1/28/2000	1357
ENV99-01	E9901650	101-9-011498	Liver	Primary	7782-49-2	Selenium	0.500	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-28-00_B	0129semw	1/24/2000	1/28/2000	1400
ENV99-01	E9901650D	101-9-011498	Liver	Lab Duplicat	7782-49-2	Selenium	0.490	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-28-00_B	0129semw	1/24/2000	1/28/2000	1403
ENV99-01	E9901651	101-9-011744	Liver	Primary	7782-49-2	Selenium	2.000	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-28-00_B	0129semw	1/24/2000	1/28/2000	1406
ENV99-01	E9901653	101-9-015568	Liver	Primary	7782-49-2	Selenium	0.400	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-28-00_B	0129semw	1/24/2000	1/28/2000	1409
ENV99-01	E9901653B	Laboratory Blank	Lab QC	BLANK	7782-49-2	Selenium	-0.00126	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-28-00_B	0129semw	1/24/2000	1/28/2000	1412
ENV99-01	E9901653BS	Lab. Blank Spike	Lab QC	BS	7782-49-2	Selenium	102			%	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-28-00_B	0129semw	1/24/2000	1/28/2000	1417
ENV99-01	E9901653CS	Check Standard	Lab QC	CS	7782-49-2	Selenium	0.051	0.005	EDL	ug/g	Wet Wt	1	0.05	102	11/2/1999	ICP, Hydride	VGICP_01-28-00_B	0129semw	1/24/2000	1/28/2000	1414
ENV99-01	E9901653SR	House Ref. Liver	Tissue	HRL	7782-49-2	Selenium	0.450	0.005	EDL	ug/g	Wet Wt	1	0.446	101	11/2/1999	ICP, Hydride	VGICP_01-28-00_B	0129semw	1/24/2000	1/28/2000	1420
ENV99-01	E9901654	101-9-016571	Liver	Primary	7782-49-2	Selenium	0.650	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-28-00_B	0129semw	1/24/2000	1/28/2000	1423
ENV99-01	E9901655	101-9-019555	Liver	Primary	7782-49-2	Selenium	0.710	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-28-00_B	0129semw	1/24/2000	1/28/2000	1426

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
SELENIUM BY ICP
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UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV99-01	E9901659	101-9-022067	Liver	Primary	7782-49-2	Selenium	0.550	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-28-00_B	0129semw	1/24/2000	1/28/2000	1429
ENV99-01	E9901660	101-9-024783	Liver	Triplicate	7782-49-2	Selenium	1.500	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-28-00_B	0129semw	1/24/2000	1/28/2000	1432
ENV99-01	E9901660-2	101-9-024783	Liver	Triplicate	7782-49-2	Selenium	1.500	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-28-00_B	0129semw	1/24/2000	1/28/2000	1435
ENV99-01	E9901660-3	101-9-024783	Liver	Triplicate	7782-49-2	Selenium	1.800	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-28-00_B	0129semw	1/24/2000	1/28/2000	1438
ENV99-01	E9901660B	Laboratory Blank	Lab QC	BLANK	7782-49-2	Selenium	-0.000835	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-28-00_B	0129semw	1/24/2000	1/28/2000	1443
ENV99-01	E9901660BS	Lab. Blank Spike	Lab QC	BS	7782-49-2	Selenium	101			%	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-28-00_B	0129semw	1/24/2000	1/28/2000	1446
ENV99-01	E9901660C1	SEH1	Lab QC	CS	7782-49-2	Selenium	0.303	0.005	EDL	ug/g	Wet Wt	1	0.300	101	11/2/1999	ICP, Hydride	VGICP_01-28-00_B	0129semw	1/24/2000	1/28/2000	1454
ENV99-01	E9901660MS	101-9-024783-MS	Liver	MS	7782-49-2	Selenium	92			%	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-28-00_B	0129semw	1/24/2000	1/28/2000	1440
ENV99-01	E9901660SR	House Ref. Liver	Tissue	HRL	7782-49-2	Selenium	0.480	0.005	EDL	ug/g	Wet Wt	1	0.446	108	11/2/1999	ICP, Hydride	VGICP_01-28-00_B	0129semw	1/24/2000	1/28/2000	1450
ENV99-01	E9901695B	Laboratory Blank	Lab QC	BLANK	7782-49-2	Selenium	-0.000949	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-31-00	0130seh	1/25/2000	1/31/2000	1029
ENV99-01	E9901695CS	Check Standard	Lab QC	CS	7782-49-2	Selenium	0.052	0.005	EDL	ug/g	Wet Wt	1	0.05	104	11/2/1999	ICP, Hydride	VGICP_01-31-00	0130seh	1/25/2000	1/31/2000	1031
ENV99-01	E9901695SR	House Ref. Liver	Tissue	HRL	7782-49-2	Selenium	0.490	0.005	EDL	ug/g	Wet Wt	1	0.446	110	11/2/1999	ICP, Hydride	VGICP_01-31-00	0130seh	1/25/2000	1/31/2000	1034
ENV99-01	E9901695BS	Lab. Blank Spike	Lab QC	BS	7782-49-2	Selenium	102			%	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-31-00	0130seh	1/25/2000	1/31/2000	1038
ENV99-01	E9901656	101-9-020202	Liver	Primary	7782-49-2	Selenium	0.420	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-31-00	0130seh	1/25/2000	1/31/2000	1046
ENV99-01	E9901695	102-9-010135	Liver	Primary	7782-49-2	Selenium	0.360	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-31-00	0130seh	1/25/2000	1/31/2000	1049
ENV99-01	E9901696	102-9-010277	Liver	Primary	7782-49-2	Selenium	0.510	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-31-00	0130seh	1/25/2000	1/31/2000	1051
ENV99-01	E9901778	101-9-065581	Muscle	Primary	7782-49-2	Selenium	0.370	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-31-00	0130seh	1/25/2000	1/31/2000	1054
ENV99-01	E9901779	101-9-066053	Muscle	Primary	7782-49-2	Selenium	0.360	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-31-00	0130seh	1/25/2000	1/31/2000	1056
ENV99-01	E9901781	101-9-067130	Muscle	Primary	7782-49-2	Selenium	0.180	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-31-00	0130seh	1/25/2000	1/31/2000	1059
ENV99-01	E9901784	101-9-067901	Muscle	Primary	7782-49-2	Selenium	0.094	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-31-00	0130seh	1/25/2000	1/31/2000	1101
ENV99-01	E9901786	101-9-069187	Muscle	Primary	7782-49-2	Selenium	0.200	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-31-00	0130seh	1/25/2000	1/31/2000	1104
ENV99-01	E9901787	101-9-072990	Muscle	Primary	7782-49-2	Selenium	0.110	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-31-00	0130seh	1/25/2000	1/31/2000	1106
ENV99-01	E9901787B	Laboratory Blank	Lab QC	BLANK	7782-49-2	Selenium	-0.00151	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-31-00	0130seh	1/25/2000	1/31/2000	1109
ENV99-01	E9901787CS	Check Standard	Lab QC	CS	7782-49-2	Selenium	0.054	0.005	EDL	ug/g	Wet Wt	1	0.05	108	11/2/1999	ICP, Hydride	VGICP_01-31-00	0130seh	1/25/2000	1/31/2000	1111
ENV99-01	E9901787BS	Lab. Blank Spike	Lab QC	BS	7782-49-2	Selenium	108			%	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-31-00	0130seh	1/25/2000	1/31/2000	1114
ENV99-01	E9901787SR	House Ref. Liver	Tissue	HRL	7782-49-2	Selenium	0.430	0.005	EDL	ug/g	Wet Wt	1	0.446	96	11/2/1999	ICP, Hydride	VGICP_01-31-00	0130seh	1/25/2000	1/31/2000	1116
ENV99-01	E9901788	101-9-075567	Muscle	Primary	7782-49-2	Selenium	0.210	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-31-00	0130seh	1/25/2000	1/31/2000	1119
ENV99-01	E9901788D	101-9-075567	Muscle	Lab Duplicat	7782-49-2	Selenium	0.220	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-31-00	0130seh	1/25/2000	1/31/2000	1121
ENV99-01	E9901790	101-9-081312	Muscle	Primary	7782-49-2	Selenium	0.130	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-31-00	0130seh	1/25/2000	1/31/2000	1124
ENV99-01	E9901791	101-9-082092	Muscle	Triplicate	7782-49-2	Selenium	0.130	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-31-00	0130seh	1/25/2000	1/31/2000	1126
ENV99-01	E9901791-2	101-9-082092	Muscle	Triplicate	7782-49-2	Selenium	0.150	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-31-00	0130seh	1/25/2000	1/31/2000	1129
ENV99-01	E9901791-3	101-9-082092	Muscle	Triplicate	7782-49-2	Selenium	0.140	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-31-00	0130seh	1/25/2000	1/31/2000	1131
ENV99-01	E9901791MS	101-9-082092-MS	Muscle	MS	7782-49-2	Selenium	115			%	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-31-00	0130seh	1/25/2000	1/31/2000	1134
ENV99-01	E9901793	101-9-082893	Muscle	Primary	7782-49-2	Selenium	0.120	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-31-00	0130seh	1/25/2000	1/31/2000	1136
ENV99-01	E9901793BS	Lab. Blank Spike	Lab QC	BS	7782-49-2	Selenium	106			%	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-31-00	0130seh	1/25/2000	1/31/2000	1139
ENV99-01	E9901793SR	House Ref. Liver	Tissue	HRL	7782-49-2	Selenium	0.460	0.005	EDL	ug/g	Wet Wt	1	0.446	103	11/2/1999	ICP, Hydride	VGICP_01-31-00	0130seh	1/25/2000	1/31/2000	1141
ENV99-01	E9901793CS	Check Standard	Lab QC	CS	7782-49-2	Selenium	0.052	0.005	EDL	ug/g	Wet Wt	1	0.05	104	11/2/1999	ICP, Hydride	VGICP_01-31-00	0130seh	1/25/2000	1/31/2000	1144
ENV99-01	E9901793B	Laboratory Blank	Lab QC	BLANK	7782-49-2	Selenium	-0.00150	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_01-31-00	0130seh	1/25/2000	1/31/2000	1146
ENV99-01	E9901763	101-9-024783	Muscle	Triplicate	7782-49-2	Selenium	0.450	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_02-10-00	0210SEH	2/8/2000	2/10/2000	1312
ENV99-01	E9901763-2	101-9-024783	Muscle	Triplicate	7782-49-2	Selenium	0.460	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_02-10-00	0210SEH	2/8/2000	2/10/2000	1315
ENV99-01	E9901763-3	101-9-024783	Muscle	Triplicate	7782-49-2	Selenium	0.460	0.005	EDL	ug/g	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_02-10-00	0210SEH	2/8/2000	2/10/2000	1317
ENV99-01	E9901763MS	101-9-024783-MS	Muscle	MS	7782-49-2	Selenium	109			%	Wet Wt	1			11/2/1999	ICP, Hydride	VGICP_02-10-00	0210SEH	2/8/2000	2/10/2000	1320
EOT00-04	E0001553S1	TORT-2	Tissue	SRM	7782-49-2	Selenium	5.200	0.01	MDL	ug/g	Wet Wt	1	5.63	92	10/31/2000	ICP, Hydride	VGICP_12-06-00	1206semw	12/5/2000	12/6/2000	1342
EOT00-04	E0001553SR	House Ref. Liver	Tissue	HRL	7782-49-2	Selenium	0.400	0.01	MDL	ug/g	Wet Wt	1	0.446	90	10/31/2000	ICP, Hydride	VGICP_12-06-00	1206semw	12/5/2000	12/6/2000	1345
EOT00-04	E0001553	302-0-011848-M	Muscle	Triplicate	7782-49-2	Selenium	0.250	0.01	MDL	ug/g	Wet Wt	1			10/31/2000	ICP, Hydride	VGICP_12-06-00	1206semw	12/5/2000	12/6/2000	1347
EOT00-04	E0001553-2	302-0-011848-M	Muscle	Triplicate	7782-49-2	Selenium	0.280	0.01	MDL	ug/g	Wet Wt	1			10/31/2000	ICP, Hydride	VGICP_12-06-00	1206semw	12/5/2000	12/6/2000	1350
EOT00-04	E0001553-3	302-0-011848-M	Muscle	Triplicate	7782-49-2	Selenium	0.280	0.01	MDL	ug/g	Wet Wt	1			10/31/2000	ICP, Hydride	VGICP_12-06-00	1206semw	12/5/2000	12/6/2000	1353
EOT00-04	E0001554	302-0-011848-L	Liver	Triplicate	7782-49-2	Selenium	1.100	0.01	MDL	ug/g	Wet Wt	1			10/31/2000	ICP, Hydride	VGICP_12-06-00	1206semw	12/5/2000	12/6/2000	1356
EOT00-04	E0001554-2	302-0-011848-L	Liver	Triplicate	7782-49-2	Selenium	0.960	0.01	MDL	ug/g	Wet Wt	1			10/31/2000	ICP, Hydride	VGICP_12-06-00	1206semw	12/5/2000	12/6/2000	1359
EOT00-04	E0001554-3	302-0-011848-L	Liver	Triplicate	7782-49-2	Selenium	1.000	0.01	MDL	ug/g	Wet Wt	1			10/31/2000	ICP, Hydride	VGICP_12-06-00	1206semw	12/5/2000	12/6/2000	1402
EOT00-04	E0001554B	Laboratory Blank	Lab QC	BLANK	7782-49-2	Selenium	-0.000914	0.01	MDL	ug/g	Wet Wt	1			10/31/2000	ICP, Hydride	VGICP_12-06-00	1206semw	12/5/2000	12/6/2000	1405

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
SELENIUM BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
EOT00-04	E0001554CS	Check Standard	Lab QC	CS	7782-49-2	Selenium	0.050	0.01	MDL	ug/g	Wet Wt	1	0.05	100	10/31/2000	ICP, Hydride	VGICP_12-06-00	1206semw	12/5/2000	12/6/2000	1408
EOT00-04	E0001554BS	Lab. Blank Spike	Lab QC	BS	7782-49-2	Selenium	99			%	Wet Wt	1	0.446	22197	10/31/2000	ICP, Hydride	VGICP_12-06-00	1206semw	12/5/2000	12/6/2000	1411
EOT00-04	E0001554SR	House Ref. Liver	Tissue	HRL	7782-49-2	Selenium	0.390	0.01	MDL	ug/g	Wet Wt	1			10/31/2000	ICP, Hydride	VGICP_12-06-00	1206semw	12/5/2000	12/6/2000	1413
EOT00-04	E0001555	302-0-006362-M	Muscle	Primary	7782-49-2	Selenium	0.140	0.01	MDL	ug/g	Wet Wt	1			10/31/2000	ICP, Hydride	VGICP_12-06-00	1206semw	12/5/2000	12/6/2000	1416
EOT00-04	E0001555D	302-0-006362-M	Muscle	Lab Duplicat	7782-49-2	Selenium	0.140	0.01	MDL	ug/g	Wet Wt	1			10/31/2000	ICP, Hydride	VGICP_12-06-00	1206semw	12/5/2000	12/6/2000	1419
EOT00-04	E0001556	302-0-006362-L	Liver	Primary	7782-49-2	Selenium	0.650	0.01	MDL	ug/g	Wet Wt	1			10/31/2000	ICP, Hydride	VGICP_12-06-00	1206semw	12/5/2000	12/6/2000	1422
EOT00-04	E0001571	302-0-005201-M	Muscle	Primary	7782-49-2	Selenium	0.071	0.01	MDL	ug/g	Wet Wt	1			10/31/2000	ICP, Hydride	VGICP_12-06-00	1206semw	12/5/2000	12/6/2000	1425
EOT00-04	E0001572	302-0-005201-L	Liver	Primary	7782-49-2	Selenium	0.180	0.01	MDL	ug/g	Wet Wt	1			10/31/2000	ICP, Hydride	VGICP_12-06-00	1206semw	12/5/2000	12/6/2000	1428
EOT00-04	E0001573	302-0-012071-M	Muscle	Primary	7782-49-2	Selenium	0.088	0.01	MDL	ug/g	Wet Wt	1			10/31/2000	ICP, Hydride	VGICP_12-06-00	1206semw	12/5/2000	12/6/2000	1431
EOT00-04	E0001574	302-0-012071-L	Liver	Primary	7782-49-2	Selenium	0.310	0.01	MDL	ug/g	Wet Wt	1			10/31/2000	ICP, Hydride	VGICP_12-06-00	1206semw	12/5/2000	12/6/2000	1434
EOT00-04	E0001575	352-0-002103-M	Muscle	Primary	7782-49-2	Selenium	0.120	0.01	MDL	ug/g	Wet Wt	1			10/31/2000	ICP, Hydride	VGICP_12-06-00	1206semw	12/5/2000	12/6/2000	1437
EOT00-04	E0001576	352-0-002103-L	Liver	Primary	7782-49-2	Selenium	0.390	0.01	MDL	ug/g	Wet Wt	1			10/31/2000	ICP, Hydride	VGICP_12-06-00	1206semw	12/5/2000	12/6/2000	1439
EOT00-04	E0001581	352-0-002194-M	Muscle	Primary	7782-49-2	Selenium	0.065	0.01	MDL	ug/g	Wet Wt	1			10/31/2000	ICP, Hydride	VGICP_12-06-00	1206semw	12/5/2000	12/6/2000	1442
EOT00-04	E0001582	352-0-002194-L	Liver	Primary	7782-49-2	Selenium	0.280	0.01	MDL	ug/g	Wet Wt	1			10/31/2000	ICP, Hydride	VGICP_12-06-00	1206semw	12/5/2000	12/6/2000	1445
EOT00-04	E0001582D	352-0-002194-L	Liver	Lab Duplicat	7782-49-2	Selenium	0.280	0.01	MDL	ug/g	Wet Wt	1			10/31/2000	ICP, Hydride	VGICP_12-06-00	1206semw	12/5/2000	12/6/2000	1448
EOT00-04	E0001582B	Laboratory Blank	Lab QC	BLANK	7782-49-2	Selenium	-0.00442	0.01	MDL	ug/g	Wet Wt	1			10/31/2000	ICP, Hydride	VGICP_12-06-00	1206semw	12/5/2000	12/6/2000	1451
EOT00-04	E0001582CS	Check Standard	Lab QC	CS	7782-49-2	Selenium	0.049	0.01	MDL	ug/g	Wet Wt	1	0.05	98	10/31/2000	ICP, Hydride	VGICP_12-06-00	1206semw	12/5/2000	12/6/2000	1454
EOT00-04	E0001582BS	Lab. Blank Spike	Lab QC	BS	7782-49-2	Selenium	98			%	Wet Wt	1			10/31/2000	ICP, Hydride	VGICP_12-06-00	1206semw	12/5/2000	12/6/2000	1457
EOT00-04	E0001582SR	House Ref. Liver	Tissue	HRL	7782-49-2	Selenium	0.470	0.01	MDL	ug/g	Wet Wt	1	0.446	105	10/31/2000	ICP, Hydride	VGICP_12-06-00	1206semw	12/5/2000	12/6/2000	1459
EOT00-04	E0001587S1	TORT-2	Tissue	SRM	7782-49-2	Selenium	5.500	0.01	MDL	ug/g	Wet Wt	1	5.63	98	10/31/2000	ICP, Hydride	VGICP_12-07-00	1207semw	12/5/2000	12/7/2000	1257
EOT00-04	E0001587SR	House Ref. Liver	Tissue	HRL	7782-49-2	Selenium	0.450	0.01	MDL	ug/g	Wet Wt	1	0.446	101	10/31/2000	ICP, Hydride	VGICP_12-07-00	1207semw	12/5/2000	12/7/2000	1300
EOT00-04	E0001587	302-0-012320-M	Muscle	Primary	7782-49-2	Selenium	0.400	0.01	MDL	ug/g	Wet Wt	1			10/31/2000	ICP, Hydride	VGICP_12-07-00	1207semw	12/5/2000	12/7/2000	1303
EOT00-04	E0001591	352-0-002092-M	Muscle	Primary	7782-49-2	Selenium	0.120	0.01	MDL	ug/g	Wet Wt	1			10/31/2000	ICP, Hydride	VGICP_12-07-00	1207semw	12/5/2000	12/7/2000	1309
EOT00-04	E0001592	352-0-002092-L	Liver	Primary	7782-49-2	Selenium	0.280	0.01	MDL	ug/g	Wet Wt	1			10/31/2000	ICP, Hydride	VGICP_12-07-00	1207semw	12/5/2000	12/7/2000	1312
EOT00-04	E0001593	302-0-004558-M	Muscle	Primary	7782-49-2	Selenium	0.120	0.01	MDL	ug/g	Wet Wt	1			10/31/2000	ICP, Hydride	VGICP_12-07-00	1207semw	12/5/2000	12/7/2000	1316
EOT00-04	E0001594	302-0-004558-L	Liver	Primary	7782-49-2	Selenium	0.370	0.01	MDL	ug/g	Wet Wt	1			10/31/2000	ICP, Hydride	VGICP_12-07-00	1207semw	12/5/2000	12/7/2000	1319
EOT00-04	E0001595	302-0-006834-M	Muscle	Primary	7782-49-2	Selenium	0.094	0.01	MDL	ug/g	Wet Wt	1			10/31/2000	ICP, Hydride	VGICP_12-07-00	1207semw	12/5/2000	12/7/2000	1325
EOT00-04	E0001595D	302-0-006834-M	Muscle	Lab Duplicat	7782-49-2	Selenium	0.100	0.01	MDL	ug/g	Wet Wt	1			10/31/2000	ICP, Hydride	VGICP_12-07-00	1207semw	12/5/2000	12/7/2000	1329
EOT00-04	E0001596	302-0-006834-L	Liver	Primary	7782-49-2	Selenium	0.440	0.01	MDL	ug/g	Wet Wt	1			10/31/2000	ICP, Hydride	VGICP_12-07-00	1207semw	12/5/2000	12/7/2000	1332
EOT00-04	E0001596D	302-0-006834-L	Liver	Lab Duplicat	7782-49-2	Selenium	0.430	0.01	MDL	ug/g	Wet Wt	1			10/31/2000	ICP, Hydride	VGICP_12-07-00	1207semw	12/5/2000	12/7/2000	1334
EOT00-04	E0001596B	Laboratory Blank	Lab QC	BLANK	7782-49-2	Selenium	-0.000519	0.01	MDL	ug/g	Wet Wt	1			10/31/2000	ICP, Hydride	VGICP_12-07-00	1207semw	12/5/2000	12/7/2000	1337
EOT00-04	E0001596CS	Check Standard	Lab QC	CS	7782-49-2	Selenium	0.051	0.01	MDL	ug/g	Wet Wt	1	0.05	102	10/31/2000	ICP, Hydride	VGICP_12-07-00	1207semw	12/5/2000	12/7/2000	1340
EOT00-04	E0001596BS	Lab. Blank Spike	Lab QC	BS	7782-49-2	Selenium	106			%	Wet Wt	1			10/31/2000	ICP, Hydride	VGICP_12-07-00	1207semw	12/5/2000	12/7/2000	1346
EOT00-04	E0001596SR	House Ref. Liver	Tissue	HRL	7782-49-2	Selenium	0.420	0.01	MDL	ug/g	Wet Wt	1	0.446	94	10/31/2000	ICP, Hydride	VGICP_12-07-00	1207semw	12/5/2000	12/7/2000	1349
EOT00-04	E0001597	302-0-002305-M	Muscle	Triplicate	7782-49-2	Selenium	0.260	0.01	MDL	ug/g	Wet Wt	1			10/31/2000	ICP, Hydride	VGICP_12-07-00	1207semw	12/5/2000	12/7/2000	1352
EOT00-04	E0001597-2	302-0-002305-M	Muscle	Triplicate	7782-49-2	Selenium	0.260	0.01	MDL	ug/g	Wet Wt	1			10/31/2000	ICP, Hydride	VGICP_12-07-00	1207semw	12/5/2000	12/7/2000	1355
EOT00-04	E0001597-3	302-0-002305-M	Muscle	Triplicate	7782-49-2	Selenium	0.300	0.01	MDL	ug/g	Wet Wt	1			10/31/2000	ICP, Hydride	VGICP_12-07-00	1207semw	12/5/2000	12/7/2000	1358
EOT00-04	E0001597MS	302-0-002305-M-MS	Muscle	MS	7782-49-2	Selenium	104			%	Wet Wt	1			10/31/2000	ICP, Hydride	VGICP_12-07-00	1207semw	12/5/2000	12/7/2000	1401
EOT00-04	E0001598	302-0-002305-L	Liver	Triplicate	7782-49-2	Selenium	1.200	0.01	MDL	ug/g	Wet Wt	1			10/31/2000	ICP, Hydride	VGICP_12-07-00	1207semw	12/5/2000	12/7/2000	1404
EOT00-04	E0001598-2	302-0-002305-L	Liver	Triplicate	7782-49-2	Selenium	1.400	0.01	MDL	ug/g	Wet Wt	1			10/31/2000	ICP, Hydride	VGICP_12-07-00	1207semw	12/5/2000	12/7/2000	1406
EOT00-04	E0001598-3	302-0-002305-L	Liver	Triplicate	7782-49-2	Selenium	1.300	0.01	MDL	ug/g	Wet Wt	1			10/31/2000	ICP, Hydride	VGICP_12-07-00	1207semw	12/5/2000	12/7/2000	1409
EOT00-04	E0001598MS	302-0-002305-L-MS	Liver	MS	7782-49-2	Selenium	74			%	Wet Wt	1			10/31/2000	ICP, Hydride	VGICP_12-07-00	1207semw	12/5/2000	12/7/2000	1412
EOT00-04	E0001603	352-0-002177-M	Muscle	Triplicate	7782-49-2	Selenium	0.100	0.01	MDL	ug/g	Wet Wt	1			10/31/2000	ICP, Hydride	VGICP_12-07-00	1207semw	12/5/2000	12/7/2000	1415
EOT00-04	E0001603-2	352-0-002177-M	Muscle	Triplicate	7782-49-2	Selenium	0.110	0.01	MDL	ug/g	Wet Wt	1			10/31/2000	ICP, Hydride	VGICP_12-07-00	1207semw	12/5/2000	12/7/2000	1418
EOT00-04	E0001603-3	352-0-002177-M	Muscle	Triplicate	7782-49-2	Selenium	0.100	0.01	MDL	ug/g	Wet Wt	1			10/31/2000	ICP, Hydride	VGICP_12-07-00	1207semw	12/5/2000	12/7/2000	1421
EOT00-04	E0001603MS	325-0-002177-M-MS	Muscle	MS	7782-49-2	Selenium	101			%	Wet Wt	1			10/31/2000	ICP, Hydride	VGICP_12-07-00	1207semw	12/5/2000	12/7/2000	1423
EOT00-04	E0001603B	Laboratory Blank	Lab QC	BLANK	7782-49-2	Selenium	-0.000448	0.01	MDL	ug/g	Wet Wt	1			10/31/2000	ICP, Hydride	VGICP_12-07-00	1207semw	12/5/2000	12/7/2000	1426
EOT00-04	E0001603CS	Check Standard	Lab QC	CS	7782-49-2	Selenium	0.051	0.01	MDL	ug/g	Wet Wt	1	0.05	102	10/31/2000	ICP, Hydride	VGICP_12-07-00	1207semw	12/5/2000	12/7/2000	1429
EOT00-04	E0001603BS	Lab. Blank Spike	Lab QC	BS	7782-49-2	Selenium	103			%	Wet Wt	1			10/31/2000	ICP, Hydride	VGICP_12-07-00	1207semw	12/5/2000	12/7/2000	1432
EOT00-04	E0001603SR	House Ref. Liver	Tissue	HRL	7782-49-2	Selenium	0.450	0.01	MDL	ug/g	Wet Wt	1	0.446	101	10/31/2000	ICP, Hydride	VGICP_12-07-00	1207semw	12/5/2000	12/7/2000	1435
EOT00-04	E0001588	302-0-012320-L	Liver	Primary	7782-49-2	Selenium	12.000	0.01	MDL	ug/g	Wet Wt	10			10/31/2000	ICP, Hydride	VGICP_12-07-00	1207semw	12/5/2000	12/7/2000	1438

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
SELENIUM BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
EOT00-04	E0001591D	352-0-002092-M	Muscle	Lab Duplicat	7782-49-2	Selenium	0.096	0.01	MDL	ug/g	Wet Wt	1			10/31/2000	ICP, Hydride	VGICP_12-07-00	1207semw	12/5/2000	12/7/2000	1441
EOT00-04	E0001603C1	SEH1	Lab QC	CS	7782-49-2	Selenium	0.310	0.01	MDL	ug/g	Wet Wt	1			10/31/2000	ICP, Hydride	VGICP_12-07-00	1207semw	12/5/2000	12/7/2000	1445
EOT00-04	E0001604SR	TORT-2	Tissue	SRM	7782-49-2	Selenium	5.600	0.01	MDL	ug/g	Wet Wt	1	5.63	99	10/31/2000	ICP, Hydride	VGICP_12-12-00	1212semw	12/7/2000	12/12/2000	936
EOT00-04	E0001604	352-0-002177-L	Liver	Triplicate	7782-49-2	Selenium	0.590	0.01	MDL	ug/g	Wet Wt	1			10/31/2000	ICP, Hydride	VGICP_12-12-00	1212semw	12/7/2000	12/12/2000	939
EOT00-04	E0001604-3	352-0-002177-L	Liver	Triplicate	7782-49-2	Selenium	0.570	0.01	MDL	ug/g	Wet Wt	1			10/31/2000	ICP, Hydride	VGICP_12-12-00	1212semw	12/7/2000	12/12/2000	942
EOT00-04	E0001604MS	352-0-002177-L-MS	Liver	MS	7782-49-2	Selenium	104			%	Wet Wt	1			10/31/2000	ICP, Hydride	VGICP_12-12-00	1212semw	12/7/2000	12/12/2000	945
EOT00-04	E0001605	302-0-012249-M	Muscle	Primary	7782-49-2	Selenium	0.120	0.01	MDL	ug/g	Wet Wt	1			10/31/2000	ICP, Hydride	VGICP_12-12-00	1212semw	12/7/2000	12/12/2000	948
EOT00-04	E0001606	302-0-012249-L	Liver	Primary	7782-49-2	Selenium	0.680	0.01	MDL	ug/g	Wet Wt	1			10/31/2000	ICP, Hydride	VGICP_12-12-00	1212semw	12/7/2000	12/12/2000	951
EOT00-04	E0001607	302-0-008702-M	Muscle	Primary	7782-49-2	Selenium	0.150	0.01	MDL	ug/g	Wet Wt	1			10/31/2000	ICP, Hydride	VGICP_12-12-00	1212semw	12/7/2000	12/12/2000	954
EOT00-04	E0001608	302-0-008702-L	Liver	Primary	7782-49-2	Selenium	0.290	0.01	MDL	ug/g	Wet Wt	1			10/31/2000	ICP, Hydride	VGICP_12-12-00	1212semw	12/7/2000	12/12/2000	957
EOT00-04	E0001609	302-0-008085-M	Muscle	Primary	7782-49-2	Selenium	0.150	0.01	MDL	ug/g	Wet Wt	1			10/31/2000	ICP, Hydride	VGICP_12-12-00	1212semw	12/7/2000	12/12/2000	1000
EOT00-04	E0001610	302-0-008085-L	Liver	Primary	7782-49-2	Selenium	0.600	0.01	MDL	ug/g	Wet Wt	1			10/31/2000	ICP, Hydride	VGICP_12-12-00	1212semw	12/7/2000	12/12/2000	1003
EOT00-04	E0001610B	Laboratory Blank	Lab QC	BLANK	7782-49-2	Selenium	-0.00166	0.01	MDL	ug/g	Wet Wt	1			10/31/2000	ICP, Hydride	VGICP_12-12-00	1212semw	12/7/2000	12/12/2000	1005
EOT00-04	E0001610CS	Check Standard	Lab QC	CS	7782-49-2	Selenium	0.051	0.01	MDL	ug/g	Wet Wt	1	0.05	102	10/31/2000	ICP, Hydride	VGICP_12-12-00	1212semw	12/7/2000	12/12/2000	1008
EOT00-04	E0001610BS	Lab. Blank Spike	Lab QC	BS	7782-49-2	Selenium	102			%	Wet Wt	1			10/31/2000	ICP, Hydride	VGICP_12-12-00	1212semw	12/7/2000	12/12/2000	1011
EOT00-04	E0001610SR	House Ref. Liver	Tissue	HRL	7782-49-2	Selenium	0.390	0.01	MDL	ug/g	Wet Wt	1	0.446	87	10/31/2000	ICP, Hydride	VGICP_12-12-00	1212semw	12/7/2000	12/12/2000	1014
EOT00-04	E0001611	302-0-007469-M	Muscle	Primary	7782-49-2	Selenium	0.310	0.01	MDL	ug/g	Wet Wt	1			10/31/2000	ICP, Hydride	VGICP_12-12-00	1212semw	12/7/2000	12/12/2000	1017
EOT00-04	E0001612	302-0-007469-L	Liver	Primary	7782-49-2	Selenium	9.100	0.01	MDL	ug/g	Wet Wt	1			10/31/2000	ICP, Hydride	VGICP_12-12-00	1212semw	12/7/2000	12/12/2000	1020
EOT00-04	E0001615	302-0-002468-M	Muscle	Primary	7782-49-2	Selenium	0.120	0.01	MDL	ug/g	Wet Wt	1			10/31/2000	ICP, Hydride	VGICP_12-12-00	1212semw	12/7/2000	12/12/2000	1023
EOT00-04	E0001615D	302-0-002468-M	Muscle	Lab Duplicat	7782-49-2	Selenium	0.120	0.01	MDL	ug/g	Wet Wt	1			10/31/2000	ICP, Hydride	VGICP_12-12-00	1212semw	12/7/2000	12/12/2000	1026
EOT00-04	E0001616	302-0-002468-L	Liver	Primary	7782-49-2	Selenium	0.380	0.01	MDL	ug/g	Wet Wt	1			10/31/2000	ICP, Hydride	VGICP_12-12-00	1212semw	12/7/2000	12/12/2000	1029
EOT00-04	E0001619	302-0-007359-M	Muscle	Primary	7782-49-2	Selenium	0.230	0.01	MDL	ug/g	Wet Wt	1			10/31/2000	ICP, Hydride	VGICP_12-12-00	1212semw	12/7/2000	12/12/2000	1032
EOT00-04	E0001620	302-0-007359-L	Liver	Primary	7782-49-2	Selenium	2.200	0.01	MDL	ug/g	Wet Wt	1			10/31/2000	ICP, Hydride	VGICP_12-12-00	1212semw	12/7/2000	12/12/2000	1035
EOT00-04	E0001620D	302-0-007359-L	Liver	Lab Duplicat	7782-49-2	Selenium	2.200	0.01	MDL	ug/g	Wet Wt	1			10/31/2000	ICP, Hydride	VGICP_12-12-00	1212semw	12/7/2000	12/12/2000	1038
EOT00-04	E0001620B	Laboratory Blank	Lab QC	BLANK	7782-49-2	Selenium	-0.00139	0.01	MDL	ug/g	Wet Wt	1			10/31/2000	ICP, Hydride	VGICP_12-12-00	1212semw	12/7/2000	12/12/2000	1040
EOT00-04	E0001620CS	Check Standard	Lab QC	CS	7782-49-2	Selenium	0.052	0.01	MDL	ug/g	Wet Wt	1	0.05	104	10/31/2000	ICP, Hydride	VGICP_12-12-00	1212semw	12/7/2000	12/12/2000	1043
EOT00-04	E0001620BS	Lab. Blank Spike	Lab QC	BS	7782-49-2	Selenium	102			%	Wet Wt	1			10/31/2000	ICP, Hydride	VGICP_12-12-00	1212semw	12/7/2000	12/12/2000	1046
EOT00-04	E0001620SR	TORT-2	Tissue	SRM	7782-49-2	Selenium	5.600	0.01	MDL	ug/g	Wet Wt	1	5.63	99	10/31/2000	ICP, Hydride	VGICP_12-12-00	1212semw	12/7/2000	12/12/2000	1049
EOT00-04	E0001620C1	SEH1	Lab QC	CS	7782-49-2	Selenium	0.310	0.01	MDL	ug/g	Wet Wt	1			10/31/2000	ICP, Hydride	VGICP_12-12-00	1212semw	12/7/2000	12/12/2000	1055
ENV00-01	E0001643S1	TORT-2	Tissue	SRM	7782-49-2	Selenium	5.500	0.01	MDL	ug/g	Wet Wt	1	5.63	98	11/1/2000	ICP, Hydride	VGICP_01-11-01	0111semw	12/20/2000	1/11/2001	1220
ENV00-01	E0001643SR	House Ref. Liver	Tissue	HRL	7782-49-2	Selenium	0.450	0.01	MDL	ug/g	Wet Wt	1	0.446	101	11/1/2000	ICP, Hydride	VGICP_01-11-01	0111semw	12/20/2000	1/11/2001	1223
ENV00-01	E0001643	302-0-002259-M	Muscle	Primary	7782-49-2	Selenium	0.093	0.01	MDL	ug/g	Wet Wt	1			11/1/2000	ICP, Hydride	VGICP_01-11-01	0111semw	12/20/2000	1/11/2001	1226
ENV00-01	E0001644	302-0-002259-L	Liver	Primary	7782-49-2	Selenium	0.490	0.01	MDL	ug/g	Wet Wt	1			11/1/2000	ICP, Hydride	VGICP_01-11-01	0111semw	12/20/2000	1/11/2001	1229
ENV00-01	E0001647	302-0-002592-M	Muscle	Triplicate	7782-49-2	Selenium	0.340	0.01	MDL	ug/g	Wet Wt	1			11/1/2000	ICP, Hydride	VGICP_01-11-01	0111semw	12/20/2000	1/11/2001	1232
ENV00-01	E0001647-3	302-0-002592-M	Muscle	Triplicate	7782-49-2	Selenium	0.360	0.01	MDL	ug/g	Wet Wt	1			11/1/2000	ICP, Hydride	VGICP_01-11-01	0111semw	12/20/2000	1/11/2001	1238
ENV00-01	E0001647MS	302-0-002592-M-MS	Muscle	MS	7782-49-2	Selenium	99			%	Wet Wt	1			11/1/2000	ICP, Hydride	VGICP_01-11-01	0111semw	12/20/2000	1/11/2001	1240
ENV00-01	E0001648	302-0-002592-L	Liver	Triplicate	7782-49-2	Selenium	1.900	0.01	MDL	ug/g	Wet Wt	1			11/1/2000	ICP, Hydride	VGICP_01-11-01	0111semw	12/20/2000	1/11/2001	1243
ENV00-01	E0001648-2	302-0-002592-L	Liver	Triplicate	7782-49-2	Selenium	2.000	0.01	MDL	ug/g	Wet Wt	1			11/1/2000	ICP, Hydride	VGICP_01-11-01	0111semw	12/20/2000	1/11/2001	1246
ENV00-01	E0001648-3	302-0-002592-L	Liver	Triplicate	7782-49-2	Selenium	2.000	0.01	MDL	ug/g	Wet Wt	1			11/1/2000	ICP, Hydride	VGICP_01-11-01	0111semw	12/20/2000	1/11/2001	1249
ENV00-01	E0001648MS	302-0-002592-L-MS	Liver	MS	7782-49-2	Selenium	84			%	Wet Wt	1			11/1/2000	ICP, Hydride	VGICP_01-11-01	0111semw	12/20/2000	1/11/2001	1252
ENV00-01	E0001649	302-0-002822-M	Muscle	Primary	7782-49-2	Selenium	0.150	0.01	MDL	ug/g	Wet Wt	1			11/1/2000	ICP, Hydride	VGICP_01-11-01	0111semw	12/20/2000	1/11/2001	1255
ENV00-01	E0001649D	302-0-002822-M	Muscle	Lab Duplicat	7782-49-2	Selenium	0.150	0.01	MDL	ug/g	Wet Wt	1			11/1/2000	ICP, Hydride	VGICP_01-11-01	0111semw	12/20/2000	1/11/2001	1257
ENV00-01	E0001649B	Laboratory Blank	Lab QC	BLANK	7782-49-2	Selenium	-0.000675	0.01	MDL	ug/g	Wet Wt	1			11/1/2000	ICP, Hydride	VGICP_01-11-01	0111semw	12/20/2000	1/11/2001	1300
ENV00-01	E0001649CS	Check Standard	Lab QC	CS	7782-49-2	Selenium	0.300	0.01	MDL	ug/g	Wet Wt	1	0.3	100	11/1/2000	ICP, Hydride	VGICP_01-11-01	0111semw	12/20/2000	1/11/2001	1303
ENV00-01	E0001649BS	Lab. Blank Spike	Lab QC	BS	7782-49-2	Selenium	101			%	Wet Wt	1			11/1/2000	ICP, Hydride	VGICP_01-11-01	0111semw	12/20/2000	1/11/2001	1306
ENV00-01	E0001649SR	House Ref. Liver	Tissue	HRL	7782-49-2	Selenium	0.440	0.01	MDL	ug/g	Wet Wt	1	0.446	99	11/1/2000	ICP, Hydride	VGICP_01-11-01	0111semw	12/20/2000	1/11/2001	1309
ENV00-01	E0001650	302-0-002822-L	Liver	Primary	7782-49-2	Selenium	0.440	0.01	MDL	ug/g	Wet Wt	1			11/1/2000	ICP, Hydride	VGICP_01-11-01	0111semw	12/20/2000	1/11/2001	1312
ENV00-01	E0001651	302-0-003080-M	Muscle	Primary	7782-49-2	Selenium	0.430	0.01	MDL	ug/g	Wet Wt	1			11/1/2000	ICP, Hydride	VGICP_01-11-01	0111semw	12/20/2000	1/11/2001	1315
ENV00-01	E0001655	302-0-003818-M	Muscle	Primary	7782-49-2	Selenium	0.140	0.01	MDL	ug/g	Wet Wt	1			11/1/2000	ICP, Hydride	VGICP_01-11-01	0111semw	12/20/2000	1/11/2001	1320
ENV00-01	E0001656	302-0-003818-L	Liver	Primary	7782-49-2	Selenium	0.540	0.01	MDL	ug/g	Wet Wt	1			11/1/2000	ICP, Hydride	VGICP_01-11-01	0111semw	12/20/2000	1/11/2001	1323
ENV00-01	E0001657	302-0-004374-M	Muscle	Primary	7782-49-2	Selenium	0.370	0.01	MDL	ug/g	Wet Wt	1			11/1/2000	ICP, Hydride	VGICP_01-11-01	0111semw	12/20/2000	1/11/2001	1326

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
SELENIUM BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV00-01	E0001658B	Laboratory Blank	Lab QC	BLANK	7782-49-2	Selenium	-0.000229	0.01	MDL	ug/g	Wet Wt	1			11/1/2000	ICP, Hydride	VGICP_01-11-01	0111semw	12/20/2000	1/11/2001	1335
ENV00-01	E0001658CS	Check Standard	Lab QC	CS	7782-49-2	Selenium	0.290	0.01	MDL	ug/g	Wet Wt	1	0.3	97	11/1/2000	ICP, Hydride	VGICP_01-11-01	0111semw	12/20/2000	1/11/2001	1341
ENV00-01	E0001658BS	Lab. Blank Spike	Lab QC	BS	7782-49-2	Selenium	96			%	Wet Wt	1			11/1/2000	ICP, Hydride	VGICP_01-11-01	0111semw	12/20/2000	1/11/2001	1344
ENV00-01	E0001658SR	House Ref. Liver	Tissue	HRL	7782-49-2	Selenium	0.440	0.01	MDL	ug/g	Wet Wt	1	0.446	99	11/1/2000	ICP, Hydride	VGICP_01-11-01	0111semw	12/20/2000	1/11/2001	1346
ENV00-04	E0001798S1	TORT-2	Tissue	SRM	7782-49-2	Selenium	5.700	0.01	MDL	ug/g	Wet Wt	1	5.63	101	11/7/2000	ICP, Hydride	VGICP_01-12-01	0112semw	1/8/2001	1/12/2001	1045
ENV00-04	E0001798SR	House Ref. Liver	Tissue	HRL	7782-49-2	Selenium	0.360	0.01	MDL	ug/g	Wet Wt	1	0.446	81	11/7/2000	ICP, Hydride	VGICP_01-12-01	0112semw	1/8/2001	1/12/2001	1048
ENV00-04	E0001798	352-0-001809-L	Liver	Primary	7782-49-2	Selenium	0.260	0.01	MDL	ug/g	Wet Wt	1			11/7/2000	ICP, Hydride	VGICP_01-12-01	0112semw	1/8/2001	1/12/2001	1051
ENV00-04	E0001799	352-0-001280-M	Muscle	Primary	7782-49-2	Selenium	0.088	0.01	MDL	ug/g	Wet Wt	1			11/7/2000	ICP, Hydride	VGICP_01-12-01	0112semw	1/8/2001	1/12/2001	1054
ENV00-04	E0001800	352-0-001280-L	Liver	Primary	7782-49-2	Selenium	0.510	0.01	MDL	ug/g	Wet Wt	1			11/7/2000	ICP, Hydride	VGICP_01-12-01	0112semw	1/8/2001	1/12/2001	1057
ENV00-04	E0001800D	352-0-001280-L	Liver	Lab Duplicat	7782-49-2	Selenium	0.520	0.01	MDL	ug/g	Wet Wt	1			11/7/2000	ICP, Hydride	VGICP_01-12-01	0112semw	1/8/2001	1/12/2001	1100
ENV00-04	E0001803	302-0-012912-M	Muscle	Primary	7782-49-2	Selenium	0.160	0.01	MDL	ug/g	Wet Wt	1			11/7/2000	ICP, Hydride	VGICP_01-12-01	0112semw	1/8/2001	1/12/2001	1102
ENV00-04	E0001804	302-0-012912-L	Liver	Primary	7782-49-2	Selenium	0.400	0.01	MDL	ug/g	Wet Wt	1			11/7/2000	ICP, Hydride	VGICP_01-12-01	0112semw	1/8/2001	1/12/2001	1105
ENV00-04	E0001807	302-0-012404-M	Muscle	Primary	7782-49-2	Selenium	0.300	0.01	MDL	ug/g	Wet Wt	1			11/7/2000	ICP, Hydride	VGICP_01-12-01	0112semw	1/8/2001	1/12/2001	1108
ENV00-04	E0001808	302-0-012404-L	Liver	Primary	7782-49-2	Selenium	0.550	0.01	MDL	ug/g	Wet Wt	1			11/7/2000	ICP, Hydride	VGICP_01-12-01	0112semw	1/8/2001	1/12/2001	1111
ENV00-04	E0001809	101-0-018283-M	Muscle	Primary	7782-49-2	Selenium	0.380	0.01	MDL	ug/g	Wet Wt	1			11/7/2000	ICP, Hydride	VGICP_01-12-01	0112semw	1/8/2001	1/12/2001	1114
ENV00-04	E0001810B	Laboratory Blank	Lab QC	BLANK	7782-49-2	Selenium	-0.00310	0.01	MDL	ug/g	Wet Wt	1			11/7/2000	ICP, Hydride	VGICP_01-12-01	0112semw	1/8/2001	1/12/2001	1120
ENV00-04	E0001810CS	Check Standard	Lab QC	CS	7782-49-2	Selenium	0.051	0.01	MDL	ug/g	Wet Wt	1	0.05	102	11/7/2000	ICP, Hydride	VGICP_01-12-01	0112semw	1/8/2001	1/12/2001	1122
ENV00-04	E0001810BS	Lab. Blank Spike	Lab QC	BS	7782-49-2	Selenium	100			%	Wet Wt	1			11/7/2000	ICP, Hydride	VGICP_01-12-01	0112semw	1/8/2001	1/12/2001	1125
ENV00-04	E0001810SR	House Ref. Liver	Tissue	HRL	7782-49-2	Selenium	0.400	0.01	MDL	ug/g	Wet Wt	1	0.446	90	11/7/2000	ICP, Hydride	VGICP_01-12-01	0112semw	1/8/2001	1/12/2001	1128
ENV00-04	E0001810	101-0-018283-L	Liver	Primary	7782-49-2	Selenium	2.800	0.01	MDL	ug/g	Wet Wt	1			11/7/2000	ICP, Hydride	VGICP_01-12-01	0112semw	1/8/2001	1/12/2001	1132
ENV00-04	E0001811	302-0-011541-M	Muscle	Primary	7782-49-2	Selenium	0.110	0.01	MDL	ug/g	Wet Wt	1			11/7/2000	ICP, Hydride	VGICP_01-12-01	0112semw	1/8/2001	1/12/2001	1136
ENV00-04	E0001812	302-0-011541-L	Liver	Primary	7782-49-2	Selenium	0.590	0.01	MDL	ug/g	Wet Wt	1			11/7/2000	ICP, Hydride	VGICP_01-12-01	0112semw	1/8/2001	1/12/2001	1139
EDC00-01	E0001845	3752-L	Liver	Primary	7782-49-2	Selenium	0.370	0.01	MDL	ug/g	Wet Wt	1			12/5/2000	ICP, Hydride	VGICP_01-12-01	0112semw	1/8/2001	1/12/2001	1141
EDC00-01	E0001845D	3752-L	Liver	Lab Duplicat	7782-49-2	Selenium	0.370	0.01	MDL	ug/g	Wet Wt	1			12/5/2000	ICP, Hydride	VGICP_01-12-01	0112semw	1/8/2001	1/12/2001	1144
EDC00-01	E0001846	0186-M	Muscle	Primary	7782-49-2	Selenium	0.052	0.01	MDL	ug/g	Wet Wt	1			12/5/2000	ICP, Hydride	VGICP_01-12-01	0112semw	1/8/2001	1/12/2001	1147
EDC00-01	E0001847	3289-L	Liver	Triplicate	7782-49-2	Selenium	0.720	0.01	MDL	ug/g	Wet Wt	1			12/5/2000	ICP, Hydride	VGICP_01-12-01	0112semw	1/8/2001	1/12/2001	1150
EDC00-01	E0001847-2	3289-L	Liver	Triplicate	7782-49-2	Selenium	0.570	0.01	MDL	ug/g	Wet Wt	1			12/5/2000	ICP, Hydride	VGICP_01-12-01	0112semw	1/8/2001	1/12/2001	1153
EDC00-01	E0001847-3	3289-L	Liver	Triplicate	7782-49-2	Selenium	0.650	0.01	MDL	ug/g	Wet Wt	1			12/5/2000	ICP, Hydride	VGICP_01-12-01	0112semw	1/8/2001	1/12/2001	1156
EDC00-01	E0001847MS	3289-L-MS	Liver	MS	7782-49-2	Selenium	96			%	Wet Wt	1			12/5/2000	ICP, Hydride	VGICP_01-12-01	0112semw	1/8/2001	1/12/2001	1159
EDC00-01	E0001848	6541-M	Muscle	Primary	7782-49-2	Selenium	0.083	0.01	MDL	ug/g	Wet Wt	1			12/5/2000	ICP, Hydride	VGICP_01-12-01	0112semw	1/8/2001	1/12/2001	1201
EDC00-01	E0001848B	Laboratory Blank	Lab QC	BLANK	7782-49-2	Selenium	-0.00349	0.01	MDL	ug/g	Wet Wt	1			12/5/2000	ICP, Hydride	VGICP_01-12-01	0112semw	1/8/2001	1/12/2001	1204
EDC00-01	E0001848CS	Check Standard	Lab QC	CS	7782-49-2	Selenium	0.050	0.01	MDL	ug/g	Wet Wt	1	0.05	100	12/5/2000	ICP, Hydride	VGICP_01-12-01	0112semw	1/8/2001	1/12/2001	1207
EDC00-01	E0001848BS	Lab. Blank Spike	Lab QC	BS	7782-49-2	Selenium	101			%	Wet Wt	1			12/5/2000	ICP, Hydride	VGICP_01-12-01	0112semw	1/8/2001	1/12/2001	1213
EDC00-01	E0001848SR	House Ref. Liver	Tissue	HRL	7782-49-2	Selenium	0.410	0.01	MDL	ug/g	Wet Wt	1	0.446	92	12/5/2000	ICP, Hydride	VGICP_01-12-01	0112semw	1/8/2001	1/12/2001	1216
ENV00-04	E0001775S1	TORT-2	Tissue	SRM	7782-49-2	Selenium	5.700	0.01	MDL	ug/g	Wet Wt	1	5.63	101	11/7/2000	ICP, Hydride	VGICP_01-17-01	0117semw	1/3/2001	1/17/2001	1125
ENV00-04	E0001775SR	House Ref. Liver	Tissue	HRL	7782-49-2	Selenium	0.480	0.01	MDL	ug/g	Wet Wt	1	0.446	108	11/7/2000	ICP, Hydride	VGICP_01-17-01	0117semw	1/3/2001	1/17/2001	1128
ENV00-04	E0001775	402-0-001023-M	Muscle	Triplicate	7782-49-2	Selenium	0.086	0.01	MDL	ug/g	Wet Wt	1			11/7/2000	ICP, Hydride	VGICP_01-17-01	0117semw	1/3/2001	1/17/2001	1131
ENV00-04	E0001775-2	402-0-001023-M	Muscle	Triplicate	7782-49-2	Selenium	0.087	0.01	MDL	ug/g	Wet Wt	1			11/7/2000	ICP, Hydride	VGICP_01-17-01	0117semw	1/3/2001	1/17/2001	1133
ENV00-04	E0001775-3	402-0-001023-M	Muscle	Triplicate	7782-49-2	Selenium	0.096	0.01	MDL	ug/g	Wet Wt	1			11/7/2000	ICP, Hydride	VGICP_01-17-01	0117semw	1/3/2001	1/17/2001	1136
ENV00-04	E0001775MS	402-0-001023-M-MS	Muscle	MS	7782-49-2	Selenium	112			%	Wet Wt	1			11/7/2000	ICP, Hydride	VGICP_01-17-01	0117semw	1/3/2001	1/17/2001	1139
ENV00-04	E0001776	402-0-001023-L	Liver	Triplicate	7782-49-2	Selenium	0.340	0.01	MDL	ug/g	Wet Wt	1			11/7/2000	ICP, Hydride	VGICP_01-17-01	0117semw	1/3/2001	1/17/2001	1142
ENV00-04	E0001776-2	402-0-001023-L	Liver	Triplicate	7782-49-2	Selenium	0.380	0.01	MDL	ug/g	Wet Wt	1			11/7/2000	ICP, Hydride	VGICP_01-17-01	0117semw	1/3/2001	1/17/2001	1145
ENV00-04	E0001776-3	402-0-001023-L	Liver	Triplicate	7782-49-2	Selenium	0.340	0.01	MDL	ug/g	Wet Wt	1			11/7/2000	ICP, Hydride	VGICP_01-17-01	0117semw	1/3/2001	1/17/2001	1148
ENV00-04	E0001776MS	402-0-001023-L-MS	Liver	MS	7782-49-2	Selenium	99			%	Wet Wt	1			11/7/2000	ICP, Hydride	VGICP_01-17-01	0117semw	1/3/2001	1/17/2001	1151
ENV00-04	E0001781	302-0-011386-M	Muscle	Primary	7782-49-2	Selenium	0.240	0.01	MDL	ug/g	Wet Wt	1			11/7/2000	ICP, Hydride	VGICP_01-17-01	0117semw	1/3/2001	1/17/2001	1154
ENV00-04	E0001781D	302-0-011386-M	Muscle	Lab Duplicat	7782-49-2	Selenium	0.250	0.01	MDL	ug/g	Wet Wt	1			11/7/2000	ICP, Hydride	VGICP_01-17-01	0117semw	1/3/2001	1/17/2001	1157
ENV00-04	E0001781B	Laboratory Blank	Lab QC	BLANK	7782-49-2	Selenium	-0.000618	0.01	MDL	ug/g	Wet Wt	1			11/7/2000	ICP, Hydride	VGICP_01-17-01	0117semw	1/3/2001	1/17/2001	1200
ENV00-04	E0001781CS	Check Standard	Lab QC	CS	7782-49-2	Selenium	0.051	0.01	MDL	ug/g	Wet Wt	1	0.05	102	11/7/2000	ICP, Hydride	VGICP_01-17-01	0117semw	1/3/2001	1/17/2001	1203
ENV00-04	E0001781BS	Lab. Blank Spike	Lab QC	BS	7782-49-2	Selenium	102			%	Wet Wt	1			11/7/2000	ICP, Hydride	VGICP_01-17-01	0117semw	1/3/2001	1/17/2001	1205
ENV00-04	E0001781SR	House Ref. Liver	Tissue	HRL	7782-49-2	Selenium	0.450	0.01	MDL	ug/g	Wet Wt	1	0.446	101	11/7/2000	ICP, Hydride	VGICP_01-17-01	0117semw	1/3/2001	1/17/2001	1208
ENV00-04	E0001782	302-0-011386-L	Liver	Primary	7782-49-2	Selenium	1.300	0.01	MDL	ug/g	Wet Wt	1			11/7/2000	ICP, Hydride	VGICP_01-17-01	0117semw	1/3/2001	1/17/2001	1211

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
SELENIUM BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV00-04	E0001787	302-0-012005-M	Muscle	Primary	7782-49-2	Selenium	0.180	0.01	MDL	ug/g	Wet Wt	1			11/7/2000	ICP, Hydride	VGICP_01-17-01	0117semw	1/3/2001	1/17/2001	1214
ENV00-04	E0001788	302-0-012005-L	Liver	Primary	7782-49-2	Selenium	1.900	0.01	MDL	ug/g	Wet Wt	1			11/7/2000	ICP, Hydride	VGICP_01-17-01	0117semw	1/3/2001	1/17/2001	1217
ENV00-04	E0001789	302-0-010102-M	Muscle	Primary	7782-49-2	Selenium	0.110	0.01	MDL	ug/g	Wet Wt	1			11/7/2000	ICP, Hydride	VGICP_01-17-01	0117semw	1/3/2001	1/17/2001	1220
ENV00-04	E0001790	302-0-010102-L	Liver	Primary	7782-49-2	Selenium	0.370	0.01	MDL	ug/g	Wet Wt	1			11/7/2000	ICP, Hydride	VGICP_01-17-01	0117semw	1/3/2001	1/17/2001	1223
ENV00-04	E0001790D	302-0-010102-L	Liver	Lab Duplicat	7782-49-2	Selenium	0.370	0.01	MDL	ug/g	Wet Wt	1			11/7/2000	ICP, Hydride	VGICP_01-17-01	0117semw	1/3/2001	1/17/2001	1226
ENV00-04	E0001793	302-0-012589-M	Muscle	Primary	7782-49-2	Selenium	0.500	0.01	MDL	ug/g	Wet Wt	1			11/7/2000	ICP, Hydride	VGICP_01-17-01	0117semw	1/3/2001	1/17/2001	1229
ENV00-04	E0001794	302-0-012589-L	Liver	Primary	7782-49-2	Selenium	8.500	0.01	MDL	ug/g	Wet Wt	1			11/7/2000	ICP, Hydride	VGICP_01-17-01	0117semw	1/3/2001	1/17/2001	1232
ENV00-04	E0001795	302-0-013359-M	Muscle	Primary	7782-49-2	Selenium	0.170	0.01	MDL	ug/g	Wet Wt	1			11/7/2000	ICP, Hydride	VGICP_01-17-01	0117semw	1/3/2001	1/17/2001	1235
ENV00-04	E0001796	302-0-013359-L	Liver	Primary	7782-49-2	Selenium	2.700	0.01	MDL	ug/g	Wet Wt	1			11/7/2000	ICP, Hydride	VGICP_01-17-01	0117semw	1/3/2001	1/17/2001	1238
ENV00-04	E0001797	352-0-001809-M	Muscle	Primary	7782-49-2	Selenium	0.110	0.01	MDL	ug/g	Wet Wt	1			11/7/2000	ICP, Hydride	VGICP_01-17-01	0117semw	1/3/2001	1/17/2001	1240
ENV00-04	E0001797B	Laboratory Blank	Lab QC	BLANK	7782-49-2	Selenium	-0.000736	0.01	MDL	ug/g	Wet Wt	1			11/7/2000	ICP, Hydride	VGICP_01-17-01	0117semw	1/3/2001	1/17/2001	1243
ENV00-04	E0001797CS	Check Standard	Lab QC	CS	7782-49-2	Selenium	0.050	0.01	MDL	ug/g	Wet Wt	1	0.05	100	11/7/2000	ICP, Hydride	VGICP_01-17-01	0117semw	1/3/2001	1/17/2001	1246
ENV00-04	E0001797BS	Lab. Blank Spike	Lab QC	BS	7782-49-2	Selenium	100			%	Wet Wt	1			11/7/2000	ICP, Hydride	VGICP_01-17-01	0117semw	1/3/2001	1/17/2001	1249
ENV00-04	E0001797SR	House Ref. Liver	Tissue	HRL	7782-49-2	Selenium	0.520	0.01	MDL	ug/g	Wet Wt	1	0.446	117	11/7/2000	ICP, Hydride	VGICP_01-17-01	0117semw	1/3/2001	1/17/2001	1252
ENV00-04	E0001797C1	SEH1	Lab QC	CS	7782-49-2	Selenium	0.300	0.01	MDL	ug/g	Wet Wt	1			11/7/2000	ICP, Hydride	VGICP_01-17-01	0117semw	1/3/2001	1/17/2001	1258
EOT00-04	House Ref. Liver	House Ref. Liver	Tissue	HRL	7782-49-2	Selenium	0.40	0.01	MDL	ug/g	Wet Wt	1	0.446	90	10/31/2000	ICP, Hydride	VGICP_01-25-01	0125semw	01/24/01	1/25/2001	1047
EOT00-04	E0001553MS	302-0-011848-M-MS	Muscle	MS	7782-49-2	Selenium	111			%	Wet Wt	1			10/31/2000	ICP, Hydride	VGICP_01-25-01	0125semw	01/24/01	1/25/2001	1050
EOT00-04	E0001554MS	302-0-011848-L-MS	Liver	MS	7782-49-2	Selenium	92			%	Wet Wt	1			10/31/2000	ICP, Hydride	VGICP_01-25-01	0125semw	01/24/01	1/25/2001	1053
EOT00-04	E0001604-2	352-0-002177-L	Liver	Triplicate	7782-49-2	Selenium	0.490	0.01	MDL	ug/g	Wet Wt	1			10/31/2000	ICP, Hydride	VGICP_01-25-01	0125semw	01/24/01	1/25/2001	1056
EOT00-04	E0001604B	Laboratory Blank	Lab QC	BLANK	7782-49-2	Selenium	-0.000670	0.01	MDL	ug/g	Wet Wt	1			10/31/2000	ICP, Hydride	VGICP_01-25-01	0125semw	01/24/01	1/25/2001	1059
EOT00-04	E0001604SR	House Ref. Liver	Tissue	HRL	7782-49-2	Selenium	0.45	0.01	MDL	ug/g	Wet Wt	1	0.446	101	10/31/2000	ICP, Hydride	VGICP_01-25-01	0125semw	01/24/01	1/25/2001	1102
EOT00-04	E0001604CS	Check Standard	Lab QC	CS	7782-49-2	Selenium	0.049	0.01	MDL	ug/g	Wet Wt	1	0.05	98	10/31/2000	ICP, Hydride	VGICP_01-25-01	0125semw	01/24/01	1/25/2001	1105
ENV00-01	E0001669S1	TORT-2	Tissue	SRM	7782-49-2	Selenium	5.600	0.01	MDL	ug/g	Wet Wt	1	5.63	99	11/1/2000	ICP, Hydride	VGICP_02-01-01_A	0131semw	1/18/2001	2/1/2001	915
ENV00-01	E0001669SR	House Ref. Liver	Tissue	HRL	7782-49-2	Selenium	0.420	0.01	MDL	ug/g	Wet Wt	1	0.446	94	11/1/2000	ICP, Hydride	VGICP_02-01-01_A	0131semw	1/18/2001	2/1/2001	918
ENV00-01	E0001669	302-0-007561-M	Muscle	Primary	7782-49-2	Selenium	0.080	0.01	MDL	ug/g	Wet Wt	1			11/1/2000	ICP, Hydride	VGICP_02-01-01_A	0131semw	1/18/2001	2/1/2001	921
ENV00-01	E0001670	302-0-007561-L	Liver	Primary	7782-49-2	Selenium	0.240	0.01	MDL	ug/g	Wet Wt	1			11/1/2000	ICP, Hydride	VGICP_02-01-01_A	0131semw	1/18/2001	2/1/2001	924
ENV00-01	E0001671	302-0-008196-M	Muscle	Primary	7782-49-2	Selenium	0.490	0.01	MDL	ug/g	Wet Wt	1			11/1/2000	ICP, Hydride	VGICP_02-01-01_A	0131semw	1/18/2001	2/1/2001	926
ENV00-01	E0001672D	302-0-008196-L	Liver	Lab Duplicat	7782-49-2	Selenium	2.200	0.01	MDL	ug/g	Wet Wt	1			11/1/2000	ICP, Hydride	VGICP_02-01-01_A	0131semw	1/18/2001	2/1/2001	929
ENV00-01	E0001672	302-0-008196-L	Liver	Primary	7782-49-2	Selenium	2.300	0.01	MDL	ug/g	Wet Wt	1			11/1/2000	ICP, Hydride	VGICP_02-01-01_A	0131semw	1/18/2001	2/1/2001	932
ENV00-01	E0001675	302-0-008950-M	Muscle	Primary	7782-49-2	Selenium	0.170	0.01	MDL	ug/g	Wet Wt	1			11/1/2000	ICP, Hydride	VGICP_02-01-01_A	0131semw	1/18/2001	2/1/2001	935
ENV00-01	E0001676	302-0-008950-L	Liver	Primary	7782-49-2	Selenium	0.360	0.01	MDL	ug/g	Wet Wt	1			11/1/2000	ICP, Hydride	VGICP_02-01-01_A	0131semw	1/18/2001	2/1/2001	938
ENV00-01	E0001683	302-0-010245-M	Muscle	Primary	7782-49-2	Selenium	0.180	0.01	MDL	ug/g	Wet Wt	1			11/1/2000	ICP, Hydride	VGICP_02-01-01_A	0131semw	1/18/2001	2/1/2001	941
ENV00-01	E0001684	302-0-010245-L	Liver	Primary	7782-49-2	Selenium	0.950	0.01	MDL	ug/g	Wet Wt	1			11/1/2000	ICP, Hydride	VGICP_02-01-01_A	0131semw	1/18/2001	2/1/2001	944
ENV00-01	E0001685	302-0-010754-M	Muscle	Primary	7782-49-2	Selenium	0.690	0.01	MDL	ug/g	Wet Wt	1			11/1/2000	ICP, Hydride	VGICP_02-01-01_A	0131semw	1/18/2001	2/1/2001	946
ENV00-01	E0001691	302-0-011888-M	Muscle	Primary	7782-49-2	Selenium	0.390	0.01	MDL	ug/g	Wet Wt	1			11/1/2000	ICP, Hydride	VGICP_02-01-01_A	0131semw	1/18/2001	2/1/2001	952
ENV00-01	E0001691B	Laboratory Blank	Lab QC	BLANK	7782-49-2	Selenium	-0.00135	0.01	MDL	ug/g	Wet Wt	1			11/1/2000	ICP, Hydride	VGICP_02-01-01_A	0131semw	1/18/2001	2/1/2001	955
ENV00-01	E0001691CS	Check Standard	Lab QC	CS	7782-49-2	Selenium	0.052	0.01	MDL	ug/g	Wet Wt	1	0.05	104	11/1/2000	ICP, Hydride	VGICP_02-01-01_A	0131semw	1/18/2001	2/1/2001	958
ENV00-01	E0001691BS	Lab. Blank Spike	Lab QC	BS	7782-49-2	Selenium	106			%	Wet Wt	1			11/1/2000	ICP, Hydride	VGICP_02-01-01_A	0131semw	1/18/2001	2/1/2001	1001
ENV00-01	E0001691SR	House Ref. Liver	Tissue	HRL	7782-49-2	Selenium	0.440	0.01	MDL	ug/g	Wet Wt	1	0.446	99	11/1/2000	ICP, Hydride	VGICP_02-01-01_A	0131semw	1/18/2001	2/1/2001	1004
ENV00-01	E0001692	302-0-011888-L	Liver	Primary	7782-49-2	Selenium	0.900	0.01	MDL	ug/g	Wet Wt	1			11/1/2000	ICP, Hydride	VGICP_02-01-01_A	0131semw	1/18/2001	2/1/2001	1006
ENV00-01	E0001692D	302-0-011888-L	Liver	Lab Duplicat	7782-49-2	Selenium	1.100	0.01	MDL	ug/g	Wet Wt	1			11/1/2000	ICP, Hydride	VGICP_02-01-01_A	0131semw	1/18/2001	2/1/2001	1009
ENV00-01	E0001695	302-0-012165-M	Muscle	Triplicate	7782-49-2	Selenium	0.092	0.01	MDL	ug/g	Wet Wt	1			11/1/2000	ICP, Hydride	VGICP_02-01-01_A	0131semw	1/18/2001	2/1/2001	1012
ENV00-01	E0001695-2	302-0-012165-M	Muscle	Triplicate	7782-49-2	Selenium	0.084	0.01	MDL	ug/g	Wet Wt	1			11/1/2000	ICP, Hydride	VGICP_02-01-01_A	0131semw	1/18/2001	2/1/2001	1015
ENV00-01	E0001695-3	302-0-012165-M	Muscle	Triplicate	7782-49-2	Selenium	0.078	0.01	MDL	ug/g	Wet Wt	1			11/1/2000	ICP, Hydride	VGICP_02-01-01_A	0131semw	1/18/2001	2/1/2001	1018
ENV00-01	E0001695MS	302-0-012165-M-MS	Muscle	MS	7782-49-2	Selenium	108			%	Wet Wt	1			11/1/2000	ICP, Hydride	VGICP_02-01-01_A	0131semw	1/18/2001	2/1/2001	1021
ENV00-01	E0001696	302-0-012165-L	Liver	Triplicate	7782-49-2	Selenium	0.330	0.01	MDL	ug/g	Wet Wt	1			11/1/2000	ICP, Hydride	VGICP_02-01-01_A	0131semw	1/18/2001	2/1/2001	1024
ENV00-01	E0001696-2	302-0-012165-L	Liver	Triplicate	7782-49-2	Selenium	0.340	0.01	MDL	ug/g	Wet Wt	1			11/1/2000	ICP, Hydride	VGICP_02-01-01_A	0131semw	1/18/2001	2/1/2001	1027
ENV00-01	E0001696-3	302-0-012165-L	Liver	Triplicate	7782-49-2	Selenium	0.340	0.01	MDL	ug/g	Wet Wt	1			11/1/2000	ICP, Hydride	VGICP_02-01-01_A	0131semw	1/18/2001	2/1/2001	1029
ENV00-01	E0001696MS	302-0-012165-L-MS	Liver	MS	7782-49-2	Selenium	107			%	Wet Wt	1			11/1/2000	ICP, Hydride	VGICP_02-01-01_A	0131semw	1/18/2001	2/1/2001	1032
ENV00-01	E0001696B	Laboratory Blank	Lab QC	BLANK	7782-49-2	Selenium	-0.00125	0.01	MDL	ug/g	Wet Wt	1			11/1/2000	ICP, Hydride	VGICP_02-01-01_A	0131semw	1/18/2001	2/1/2001	1035
ENV00-01	E0001696CS	Check Standard	Lab QC	CS	7782-49-2	Selenium	0.054	0.01	MDL	ug/g	Wet Wt	1	0.05	108	11/1/2000	ICP, Hydride	VGICP_02-01-01_A	0131semw	1/18/2001	2/1/2001	1038

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
SELENIUM BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV00-01	E0001696BS	Lab. Blank Spike	Lab QC	BS	7782-49-2	Selenium	104			%	Wet Wt	1			11/1/2000	ICP, Hydride	VGICP_02-01-01_A	0131semw	1/18/2001	2/1/2001	1041
ENV00-01	E0001696SR	House Ref. Liver	Tissue	HRL	7782-49-2	Selenium	0.460	0.01	MDL	ug/g	Wet Wt	1	0.446	103	11/1/2000	ICP, Hydride	VGICP_02-01-01_A	0131semw	1/18/2001	2/1/2001	1044
ENV00-01	E0001686	302-0-010754-L	Liver	Primary	7782-49-2	Selenium	3.100	0.01	MDL	ug/g	Wet Wt	1			11/1/2000	ICP, Hydride	VGICP_02-01-01_A	0131semw	1/18/2001	2/1/2001	1047
ENV00-01	E0001697C1	SEH2	Lab QC	CS	7782-49-2	Selenium	0.051	0.01	MDL	ug/g	Wet Wt	1	0.05	102	11/1/2000	ICP, Hydride	VGICP_02-01-01_B	0203semw	1/29/2001	2/1/2001	1334
ENV00-01	E0001697S1	TORT-2	Tissue	SRM	7782-49-2	Selenium	5.400	0.01	MDL	ug/g	Wet Wt	1	5.63	96	11/1/2000	ICP, Hydride	VGICP_02-01-01_B	0203semw	1/29/2001	2/1/2001	1337
ENV00-01	E0001697SR	House Ref. Liver	Tissue	HRL	7782-49-2	Selenium	0.420	0.01	MDL	ug/g	Wet Wt	1	0.446	94	11/1/2000	ICP, Hydride	VGICP_02-01-01_B	0203semw	1/29/2001	2/1/2001	1340
ENV00-01	E0001697	302-0-012171-M	Muscle	Primary	7782-49-2	Selenium	0.100	0.01	MDL	ug/g	Wet Wt	1			11/1/2000	ICP, Hydride	VGICP_02-01-01_B	0203semw	1/29/2001	2/1/2001	1342
ENV00-01	E0001698	302-0-012171-L	Liver	Primary	7782-49-2	Selenium	0.300	0.01	MDL	ug/g	Wet Wt	1			11/1/2000	ICP, Hydride	VGICP_02-01-01_B	0203semw	1/29/2001	2/1/2001	1345
ENV00-01	E0001698D	302-0-012171-L	Liver	Lab Duplicat	7782-49-2	Selenium	0.310	0.01	MDL	ug/g	Wet Wt	1			11/1/2000	ICP, Hydride	VGICP_02-01-01_B	0203semw	1/29/2001	2/1/2001	1348
ENV00-01	E0001713	352-0-001341-M	Muscle	Primary	7782-49-2	Selenium	0.100	0.01	MDL	ug/g	Wet Wt	1			11/1/2000	ICP, Hydride	VGICP_02-01-01_B	0203semw	1/29/2001	2/1/2001	1351
ENV00-01	E0001714	352-0-001341-L	Liver	Primary	7782-49-2	Selenium	0.290	0.01	MDL	ug/g	Wet Wt	1			11/1/2000	ICP, Hydride	VGICP_02-01-01_B	0203semw	1/29/2001	2/1/2001	1354
ENV00-01	E0001719	352-0-002110-M	Muscle	Primary	7782-49-2	Selenium	0.430	0.01	MDL	ug/g	Wet Wt	1			11/1/2000	ICP, Hydride	VGICP_02-01-01_B	0203semw	1/29/2001	2/1/2001	1357
ENV00-01	E0001721	352-0-002142-M	Muscle	Primary	7782-49-2	Selenium	0.460	0.01	MDL	ug/g	Wet Wt	1			11/1/2000	ICP, Hydride	VGICP_02-01-01_B	0203semw	1/29/2001	2/1/2001	1403
ENV00-01	E0001721B	Laboratory Blank	Lab QC	BLANK	7782-49-2	Selenium	-0.000531	0.01	MDL	ug/g	Wet Wt	1			11/1/2000	ICP, Hydride	VGICP_02-01-01_B	0203semw	1/29/2001	2/1/2001	1411
ENV00-01	E0001721CS	Check Standard	Lab QC	CS	7782-49-2	Selenium	0.055	0.01	MDL	ug/g	Wet Wt	1	0.05	110	11/1/2000	ICP, Hydride	VGICP_02-01-01_B	0203semw	1/29/2001	2/1/2001	1414
ENV00-01	E0001721BS	Lab. Blank Spike	Lab QC	BS	7782-49-2	Selenium	105			%	Wet Wt	1			11/1/2000	ICP, Hydride	VGICP_02-01-01_B	0203semw	1/29/2001	2/1/2001	1417
ENV00-01	E0001721SR	House Ref. Liver	Tissue	HRL	7782-49-2	Selenium	0.420	0.01	MDL	ug/g	Wet Wt	1	0.446	94	11/1/2000	ICP, Hydride	VGICP_02-01-01_B	0203semw	1/29/2001	2/1/2001	1420
ENV00-01	E0001723	352-0-002144-M	Muscle	Triplicate	7782-49-2	Selenium	0.094	0.01	MDL	ug/g	Wet Wt	1			11/1/2000	ICP, Hydride	VGICP_02-01-01_B	0203semw	1/29/2001	2/1/2001	1423
ENV00-01	E0001723-2	352-0-002144-M	Muscle	Triplicate	7782-49-2	Selenium	0.093	0.01	MDL	ug/g	Wet Wt	1			11/1/2000	ICP, Hydride	VGICP_02-01-01_B	0203semw	1/29/2001	2/1/2001	1425
ENV00-01	E0001723-3	352-0-002144-M	Muscle	Triplicate	7782-49-2	Selenium	0.090	0.01	MDL	ug/g	Wet Wt	1			11/1/2000	ICP, Hydride	VGICP_02-01-01_B	0203semw	1/29/2001	2/1/2001	1428
ENV00-01	E0001723MS	352-0-002144-M-MS	Muscle	MS	7782-49-2	Selenium	102			%	Wet Wt	1			11/1/2000	ICP, Hydride	VGICP_02-01-01_B	0203semw	1/29/2001	2/1/2001	1431
ENV00-01	E0001724	352-0-002144-L	Liver	Triplicate	7782-49-2	Selenium	0.360	0.01	MDL	ug/g	Wet Wt	1			11/1/2000	ICP, Hydride	VGICP_02-01-01_B	0203semw	1/29/2001	2/1/2001	1434
ENV00-01	E0001724-2	352-0-002144-L	Liver	Triplicate	7782-49-2	Selenium	0.340	0.01	MDL	ug/g	Wet Wt	1			11/1/2000	ICP, Hydride	VGICP_02-01-01_B	0203semw	1/29/2001	2/1/2001	1437
ENV00-01	E0001724-3	352-0-002144-L	Liver	Triplicate	7782-49-2	Selenium	0.330	0.01	MDL	ug/g	Wet Wt	1			11/1/2000	ICP, Hydride	VGICP_02-01-01_B	0203semw	1/29/2001	2/1/2001	1440
ENV00-01	E0001724MS	352-0-002144-L-MS	Liver	MS	7782-49-2	Selenium	100			%	Wet Wt	1			11/1/2000	ICP, Hydride	VGICP_02-01-01_B	0203semw	1/29/2001	2/1/2001	1443
ENV00-01	E0001727	352-0-002150-M	Muscle	Primary	7782-49-2	Selenium	0.140	0.01	MDL	ug/g	Wet Wt	1			11/1/2000	ICP, Hydride	VGICP_02-01-01_B	0203semw	1/29/2001	2/1/2001	1446
ENV00-01	E0001728	352-0-002150-L	Liver	Primary	7782-49-2	Selenium	0.490	0.01	MDL	ug/g	Wet Wt	1			11/1/2000	ICP, Hydride	VGICP_02-01-01_B	0203semw	1/29/2001	2/1/2001	1448
ENV00-01	E0001728D	352-0-002150-L	Liver	Lab Duplicat	7782-49-2	Selenium	0.490	0.01	MDL	ug/g	Wet Wt	1			11/1/2000	ICP, Hydride	VGICP_02-01-01_B	0203semw	1/29/2001	2/1/2001	1451
ENV00-04	E0001771	105-0-013352-M	Muscle	Primary	7782-49-2	Selenium	0.082	0.01	MDL	ug/g	Wet Wt	1			11/7/2000	ICP, Hydride	VGICP_02-01-01_B	0203semw	1/29/2001	2/1/2001	1454
ENV00-04	E0001772	105-0-013352-L	Liver	Primary	7782-49-2	Selenium	0.220	0.01	MDL	ug/g	Wet Wt	1			11/7/2000	ICP, Hydride	VGICP_02-01-01_B	0203semw	1/29/2001	2/1/2001	1457
ENV00-04	E0001772B	Laboratory Blank	Lab QC	BLANK	7782-49-2	Selenium	-0.00109	0.01	MDL	ug/g	Wet Wt	1			11/7/2000	ICP, Hydride	VGICP_02-01-01_B	0203semw	1/29/2001	2/1/2001	1500
ENV00-04	E0001772CS	Check Standard	Lab QC	CS	7782-49-2	Selenium	0.300	0.01	MDL	ug/g	Wet Wt	1	0.3	100	11/7/2000	ICP, Hydride	VGICP_02-01-01_B	0203semw	1/29/2001	2/1/2001	1503
ENV00-04	E0001772BS	Lab. Blank Spike	Lab QC	BS	7782-49-2	Selenium	106			%	Wet Wt	1			11/7/2000	ICP, Hydride	VGICP_02-01-01_B	0203semw	1/29/2001	2/1/2001	1505
ENV00-04	E0001772SR	House Ref. Liver	Tissue	HRL	7782-49-2	Selenium	0.420	0.01	MDL	ug/g	Wet Wt	1	0.446	94	11/7/2000	ICP, Hydride	VGICP_02-01-01_B	0203semw	1/29/2001	2/1/2001	1508
ENV00-01	E0001721CS	SEH2	Lab QC	CS	7782-49-2	Selenium	0.05	0.01	MDL	ug/g	Wet Wt	1	0.05	100	11/1/2000	ICP, Hydride	VGICP_02-02-01	0202seh	2/1/2001	2/2/2001	842
ENV00-01	E0001721B	Laboratory Blank	Lab QC	BLANK	7782-49-2	Selenium	-0.000860	0.01	MDL	ug/g	Wet Wt	1			11/1/2000	ICP, Hydride	VGICP_02-02-01	0202seh	2/1/2001	2/2/2001	951
ENV00-01	E0001721S1	TORT-2	Tissue	SRM	7782-49-2	Selenium	5.67	0.01	MDL	ug/g	Wet Wt	1			11/1/2000	ICP, Hydride	VGICP_02-02-01	0202seh	2/1/2001	2/2/2001	845
ENV00-01	E0001721SR1	House Ref. Liver	Tissue	HRL	7782-49-2	Selenium	0.45	0.01	MDL	ug/g	Wet Wt	1	0.446	101	11/1/2000	ICP, Hydride	VGICP_02-02-01	0202seh	2/1/2001	2/2/2001	848
ENV00-01	E0001720	352-0-002110-L	Liver	Primary	7782-49-2	Selenium	6.700	0.01	MDL	ug/g	Wet Wt	10			11/1/2000	ICP, Hydride	VGICP_02-02-01	0203semw	1/29/2001	2/2/2001	851
ENV00-01	E0001722	352-0-002142-L	Liver	Primary	7782-49-2	Selenium	5.100	0.01	MDL	ug/g	Wet Wt	10			11/1/2000	ICP, Hydride	VGICP_02-02-01	0203semw	1/29/2001	2/2/2001	854
ENV00-01	E0001721SR2	House Ref. Liver	Tissue	HRL	7782-49-2	Selenium	0.43	0.01	MDL	ug/g	Wet Wt	1	0.446	96	11/1/2000	ICP, Hydride	VGICP_02-02-01	0202seh	2/1/2001	2/2/2001	857
ENV00-01	E0001647-2	302-0-002592-M	Muscle	Triplicate	7782-49-2	Selenium	0.430	0.01	MDL	ug/g	Wet Wt	1			11/1/2000	ICP, Hydride	VGICP_02-07-01	0207seh	2/5/2001	2/7/2001	1017
ENV00-01	E0001652	302-0-003080-L	Liver	Primary	7782-49-2	Selenium	4.200	0.01	MDL	ug/g	Wet Wt	10			11/1/2000	ICP, Hydride	VGICP_02-07-01	0207seh	2/5/2001	2/7/2001	1020
ENV00-01	E0001658	302-0-004374-L	Liver	Primary	7782-49-2	Selenium	5.800	0.01	MDL	ug/g	Wet Wt	10			11/1/2000	ICP, Hydride	VGICP_02-07-01	0207seh	2/5/2001	2/7/2001	1023
ENV00-01	E0001658D	302-0-004374-L	Liver	Lab Duplicat	7782-49-2	Selenium	5.700	0.01	MDL	ug/g	Wet Wt	10			11/1/2000	ICP, Hydride	VGICP_02-07-01	0207seh	2/5/2001	2/7/2001	1026

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
TRACE METALS BY ICP
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UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV99-01	E9901776aCS	Check Standard	Lab QC	CS	7439-98-7	Molybdenum	1.000	0.09	EDL	ug/g	Wet Wt	1	1	100	11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1332
ENV99-01	E9901776aCS	Check Standard	Lab QC	CS	7440-66-6	Zinc	5.160	0.01	EDL	ug/g	Wet Wt	1	5	103	11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1332
ENV99-01	E9901776aCS	Check Standard	Lab QC	CS	7440-43-9	Cadmium	1.063	0.02	EDL	ug/g	Wet Wt	1	1	106	11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1332
ENV99-01	E9901776aCS	Check Standard	Lab QC	CS	7439-92-1	Lead	5.150	0.23	EDL	ug/g	Wet Wt	1	5	103	11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1332
ENV99-01	E9901776aCS	Check Standard	Lab QC	CS	7439-96-5	Manganese	5.059	0.01	EDL	ug/g	Wet Wt	1	5	101	11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1332
ENV99-01	E9901776aCS	Check Standard	Lab QC	CS	7439-89-6	Iron	5.084	0.04	EDL	ug/g	Wet Wt	1	5	102	11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1332
ENV99-01	E9901776aCS	Check Standard	Lab QC	CS	7440-50-8	Copper	5.271	0.03	EDL	ug/g	Wet Wt	1	5	105	11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1332
ENV99-01	E9901776bCS	Check Standard	Lab QC	CS	7439-98-7	Molybdenum	0.988	0.09	EDL	ug/g	Wet Wt	1	1	99	11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1345
ENV99-01	E9901776bCS	Check Standard	Lab QC	CS	7440-66-6	Zinc	4.997	0.01	EDL	ug/g	Wet Wt	1	5	100	11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1345
ENV99-01	E9901776bCS	Check Standard	Lab QC	CS	7440-43-9	Cadmium	0.988	0.02	EDL	ug/g	Wet Wt	1	1	99	11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1342
ENV99-01	E9901776bCS	Check Standard	Lab QC	CS	7439-92-1	Lead	5.187	0.23	EDL	ug/g	Wet Wt	1	5	104	11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1345
ENV99-01	E9901776bCS	Check Standard	Lab QC	CS	7439-96-5	Manganese	5.053	0.01	EDL	ug/g	Wet Wt	1	5	101	11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1345
ENV99-01	E9901776bCS	Check Standard	Lab QC	CS	7439-89-6	Iron	4.944	0.04	EDL	ug/g	Wet Wt	1	5	99	11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1345
ENV99-01	E9901776bCS	Check Standard	Lab QC	CS	7440-50-8	Copper	5.141	0.03	EDL	ug/g	Wet Wt	1	5	103	11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1345
ENV99-01	E9901776B	Laboratory Blank	Lab QC	BLANK	7439-98-7	Molybdenum	0.0176	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1349
ENV99-01	E9901776B	Laboratory Blank	Lab QC	BLANK	7440-66-6	Zinc	0.0045	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1349
ENV99-01	E9901776B	Laboratory Blank	Lab QC	BLANK	7440-43-9	Cadmium	0.0007	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1349
ENV99-01	E9901776B	Laboratory Blank	Lab QC	BLANK	7439-92-1	Lead	-0.0093	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1349
ENV99-01	E9901776B	Laboratory Blank	Lab QC	BLANK	7439-96-5	Manganese	0.0006	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1349
ENV99-01	E9901776B	Laboratory Blank	Lab QC	BLANK	7439-89-6	Iron	0.0055	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1349
ENV99-01	E9901776B	Laboratory Blank	Lab QC	BLANK	7440-50-8	Copper	0.0008	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1349
ENV99-01	E9901776BS	Lab. Blank Spike	Lab QC	BS	7440-43-9	Cadmium	98			%	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1352
ENV99-01	E9901776SR	House Ref. Liver	Tissue	HRL	7439-98-7	Molybdenum	4.000	0.09	EDL	ug/g	Wet Wt	1	3.17	126	11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1355
ENV99-01	E9901776SR	House Ref. Liver	Tissue	HRL	7440-66-6	Zinc	130	0.01	EDL	ug/g	Wet Wt	1	120	108	11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1355
ENV99-01	E9901776SR	House Ref. Liver	Tissue	HRL	7440-43-9	Cadmium	60.000	0.02	EDL	ug/g	Wet Wt	1	54.3	110	11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1355
ENV99-01	E9901776SR	House Ref. Liver	Tissue	HRL	7439-92-1	Lead	53.00	0.23	EDL	ug/g	Wet Wt	1	48	110	11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1355
ENV99-01	E9901776SR	House Ref. Liver	Tissue	HRL	7439-96-5	Manganese	12.00	0.01	EDL	ug/g	Wet Wt	1	10.1	119	11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1355
ENV99-01	E9901776SR	House Ref. Liver	Tissue	HRL	7439-89-6	Iron	200	0.04	EDL	ug/g	Wet Wt	1	183	109	11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1355
ENV99-01	E9901776SR	House Ref. Liver	Tissue	HRL	7440-50-8	Copper	140.0	0.03	EDL	ug/g	Wet Wt	1	123	114	11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1355
ENV99-01	E9901776	101-9-057366	Muscle	Primary	7439-98-7	Molybdenum	-0.0457	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1359
ENV99-01	E9901776	101-9-057366	Muscle	Primary	7440-66-6	Zinc	71	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1359
ENV99-01	E9901776	101-9-057366	Muscle	Primary	7440-43-9	Cadmium	0.140	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1359
ENV99-01	E9901776	101-9-057366	Muscle	Primary	7439-92-1	Lead	-0.2354	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1359
ENV99-01	E9901776	101-9-057366	Muscle	Primary	7439-96-5	Manganese	0.66	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1359
ENV99-01	E9901776	101-9-057366	Muscle	Primary	7439-89-6	Iron	40	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1359
ENV99-01	E9901776	101-9-057366	Muscle	Primary	7440-50-8	Copper	1.2	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1359
ENV99-01	E9901776D	101-9-057366	Muscle	Lab Duplicate	7439-98-7	Molybdenum	0.0818	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1402
ENV99-01	E9901776D	101-9-057366	Muscle	Lab Duplicate	7440-66-6	Zinc	78	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1402
ENV99-01	E9901776D	101-9-057366	Muscle	Lab Duplicate	7440-43-9	Cadmium	0.140	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1402
ENV99-01	E9901776D	101-9-057366	Muscle	Lab Duplicate	7439-92-1	Lead	0.85	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1402
ENV99-01	E9901776D	101-9-057366	Muscle	Lab Duplicate	7439-96-5	Manganese	1.10	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1402
ENV99-01	E9901776D	101-9-057366	Muscle	Lab Duplicate	7439-89-6	Iron	49	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1402
ENV99-01	E9901776D	101-9-057366	Muscle	Lab Duplicate	7440-50-8	Copper	1.4	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1402
ENV99-01	E9901801	102-9-003525	Muscle	Primary	7439-98-7	Molybdenum	0.0208	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1405
ENV99-01	E9901801	102-9-003525	Muscle	Primary	7440-66-6	Zinc	48	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1405
ENV99-01	E9901801	102-9-003525	Muscle	Primary	7440-43-9	Cadmium	0.130	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1405
ENV99-01	E9901801	102-9-003525	Muscle	Primary	7439-92-1	Lead	0.70	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1405
ENV99-01	E9901801	102-9-003525	Muscle	Primary	7439-96-5	Manganese	0.26	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1405
ENV99-01	E9901801	102-9-003525	Muscle	Primary	7439-89-6	Iron	31	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1405
ENV99-01	E9901801	102-9-003525	Muscle	Primary	7440-50-8	Copper	2.2	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1405
ENV99-01	E9901805	102-9-008730	Muscle	Primary	7439-98-7	Molybdenum	0.0133	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1409
ENV99-01	E9901805	102-9-008730	Muscle	Primary	7440-66-6	Zinc	25	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1409

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
TRACE METALS BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV99-01	E9901805	102-9-008730	Muscle	Primary	7440-43-9	Cadmium	0.140	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1409
ENV99-01	E9901805	102-9-008730	Muscle	Primary	7439-92-1	Lead	0.59	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1409
ENV99-01	E9901805	102-9-008730	Muscle	Primary	7439-96-5	Manganese	1.80	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1409
ENV99-01	E9901805	102-9-008730	Muscle	Primary	7439-89-6	Iron	92	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1409
ENV99-01	E9901805	102-9-008730	Muscle	Primary	7440-50-8	Copper	3.1	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1409
ENV99-01	E9901806	102-9-009184	Muscle	Primary	7439-98-7	Molybdenum	-0.0986	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1412
ENV99-01	E9901806	102-9-009184	Muscle	Primary	7440-66-6	Zinc	53	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1412
ENV99-01	E9901806	102-9-009184	Muscle	Primary	7440-43-9	Cadmium	0.180	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1412
ENV99-01	E9901806	102-9-009184	Muscle	Primary	7439-92-1	Lead	0.0545	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1412
ENV99-01	E9901806	102-9-009184	Muscle	Primary	7439-96-5	Manganese	1.70	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1412
ENV99-01	E9901806	102-9-009184	Muscle	Primary	7439-89-6	Iron	87	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1412
ENV99-01	E9901806	102-9-009184	Muscle	Primary	7440-50-8	Copper	2.3	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1412
ENV99-01	E9901826	106-9-009470	Muscle	Primary	7439-98-7	Molybdenum	0.0637	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1416
ENV99-01	E9901826	106-9-009470	Muscle	Primary	7440-66-6	Zinc	47	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1416
ENV99-01	E9901826	106-9-009470	Muscle	Primary	7440-43-9	Cadmium	0.140	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1416
ENV99-01	E9901826	106-9-009470	Muscle	Primary	7439-92-1	Lead	0.1039	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1416
ENV99-01	E9901826	106-9-009470	Muscle	Primary	7439-96-5	Manganese	0.19	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1416
ENV99-01	E9901826	106-9-009470	Muscle	Primary	7439-89-6	Iron	30	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1416
ENV99-01	E9901826	106-9-009470	Muscle	Primary	7440-50-8	Copper	1.6	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1416
ENV99-01	E9901828	107-9-001328	Muscle	Primary	7439-98-7	Molybdenum	0.110	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1419
ENV99-01	E9901828	107-9-001328	Muscle	Primary	7440-66-6	Zinc	55	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1419
ENV99-01	E9901828	107-9-001328	Muscle	Primary	7440-43-9	Cadmium	0.150	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1419
ENV99-01	E9901828	107-9-001328	Muscle	Primary	7439-92-1	Lead	0.2259	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1419
ENV99-01	E9901828	107-9-001328	Muscle	Primary	7439-96-5	Manganese	0.41	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1419
ENV99-01	E9901828	107-9-001328	Muscle	Primary	7439-89-6	Iron	56	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1419
ENV99-01	E9901828	107-9-001328	Muscle	Primary	7440-50-8	Copper	2.5	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1419
ENV99-01	E9901831CS	Check Standard	Lab QC	CS	7439-98-7	Molybdenum	0.903	0.09	EDL	ug/g	Wet Wt	1	1	90	11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1422
ENV99-01	E9901831CS	Check Standard	Lab QC	CS	7440-66-6	Zinc	4.714	0.01	EDL	ug/g	Wet Wt	1	5	94	11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1422
ENV99-01	E9901831CS	Check Standard	Lab QC	CS	7440-43-9	Cadmium	0.960	0.02	EDL	ug/g	Wet Wt	1	1	96	11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1422
ENV99-01	E9901831CS	Check Standard	Lab QC	CS	7439-92-1	Lead	4.770	0.23	EDL	ug/g	Wet Wt	1	5	95	11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1422
ENV99-01	E9901831CS	Check Standard	Lab QC	CS	7439-96-5	Manganese	4.882	0.01	EDL	ug/g	Wet Wt	1	5	98	11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1422
ENV99-01	E9901831CS	Check Standard	Lab QC	CS	7439-89-6	Iron	4.693	0.04	EDL	ug/g	Wet Wt	1	5	94	11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1422
ENV99-01	E9901831CS	Check Standard	Lab QC	CS	7440-50-8	Copper	4.860	0.03	EDL	ug/g	Wet Wt	1	5	97	11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1422
ENV99-01	E9901831	107-9-008536	Muscle	Primary	7439-98-7	Molybdenum	0.240	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1426
ENV99-01	E9901831	107-9-008536	Muscle	Primary	7440-66-6	Zinc	30	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1426
ENV99-01	E9901831	107-9-008536	Muscle	Primary	7440-43-9	Cadmium	0.075	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1426
ENV99-01	E9901831	107-9-008536	Muscle	Primary	7439-92-1	Lead	0.0784	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1426
ENV99-01	E9901831	107-9-008536	Muscle	Primary	7439-96-5	Manganese	0.49	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1426
ENV99-01	E9901831	107-9-008536	Muscle	Primary	7439-89-6	Iron	48	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1426
ENV99-01	E9901831	107-9-008536	Muscle	Primary	7440-50-8	Copper	2.2	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1426
ENV99-03	E9901914	101-9-041577	Liver	Primary	7439-98-7	Molybdenum	0.880	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1429
ENV99-03	E9901914	101-9-041577	Liver	Primary	7440-66-6	Zinc	25	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1429
ENV99-03	E9901914	101-9-041577	Liver	Primary	7440-43-9	Cadmium	0.400	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1429
ENV99-03	E9901914	101-9-041577	Liver	Primary	7439-92-1	Lead	0.1574	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1429
ENV99-03	E9901914	101-9-041577	Liver	Primary	7439-96-5	Manganese	3.30	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1429
ENV99-03	E9901914	101-9-041577	Liver	Primary	7439-89-6	Iron	180	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1429
ENV99-03	E9901914	101-9-041577	Liver	Primary	7440-50-8	Copper	58.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1429
ENV99-01	E9901929CS	Check Standard	Lab QC	CS	7439-98-7	Molybdenum	0.890	0.09	EDL	ug/g	Wet Wt	1	1	89	11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1434
ENV99-01	E9901929CS	Check Standard	Lab QC	CS	7440-66-6	Zinc	4.709	0.01	EDL	ug/g	Wet Wt	1	5	94	11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1434
ENV99-01	E9901929CS	Check Standard	Lab QC	CS	7440-43-9	Cadmium	0.974	0.02	EDL	ug/g	Wet Wt	1	1	97	11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1434
ENV99-01	E9901929CS	Check Standard	Lab QC	CS	7439-92-1	Lead	4.799	0.23	EDL	ug/g	Wet Wt	1	5	96	11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1434
ENV99-01	E9901929CS	Check Standard	Lab QC	CS	7439-96-5	Manganese	4.839	0.01	EDL	ug/g	Wet Wt	1	5	97	11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1434

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV99-01	E9901929CS	Check Standard	Lab QC	CS	7439-89-6	Iron	4.663	0.04	EDL	ug/g	Wet Wt	1	5	93	11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1434
ENV99-01	E9901929CS	Check Standard	Lab QC	CS	7440-50-8	Copper	4.748	0.03	EDL	ug/g	Wet Wt	1	5	95	11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1434
ENV99-03	E9901929	101-9-069462	Liver	Primary	7439-98-7	Molybdenum	1.600	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1438
ENV99-03	E9901929	101-9-069462	Liver	Primary	7440-66-6	Zinc	31	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1438
ENV99-03	E9901929	101-9-069462	Liver	Primary	7440-43-9	Cadmium	1.200	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1438
ENV99-03	E9901929	101-9-069462	Liver	Primary	7439-92-1	Lead	0.71	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1438
ENV99-03	E9901929	101-9-069462	Liver	Primary	7439-96-5	Manganese	5.90	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1438
ENV99-03	E9901929	101-9-069462	Liver	Primary	7439-89-6	Iron	200	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1438
ENV99-03	E9901929	101-9-069462	Liver	Primary	7440-50-8	Copper	55.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1438
ENV99-03	E9901929B	Laboratory Blank	Lab QC	BLANK	7439-98-7	Molybdenum	0.0081	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1441
ENV99-03	E9901929B	Laboratory Blank	Lab QC	BLANK	7440-66-6	Zinc	0.0041	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1441
ENV99-03	E9901929B	Laboratory Blank	Lab QC	BLANK	7440-43-9	Cadmium	0.0026	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1441
ENV99-03	E9901929B	Laboratory Blank	Lab QC	BLANK	7439-92-1	Lead	0.0158	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1441
ENV99-03	E9901929B	Laboratory Blank	Lab QC	BLANK	7439-96-5	Manganese	0.0011	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1441
ENV99-03	E9901929B	Laboratory Blank	Lab QC	BLANK	7439-89-6	Iron	0.0034	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1441
ENV99-03	E9901929B	Laboratory Blank	Lab QC	BLANK	7440-50-8	Copper	-0.0010	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1441
ENV99-03	E9901929BS	Lab. Blank Spike	Lab QC	BS	7440-43-9	Cadmium	94			%	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1445
ENV99-03	E9901929SR	House Ref. Liver	Tissue	HRL	7439-98-7	Molybdenum	3.100	0.09	EDL	ug/g	Wet Wt	1	3.17	98	11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1448
ENV99-03	E9901929SR	House Ref. Liver	Tissue	HRL	7440-66-6	Zinc	130	0.01	EDL	ug/g	Wet Wt	1	120	108	11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1448
ENV99-03	E9901929SR	House Ref. Liver	Tissue	HRL	7440-43-9	Cadmium	60.000	0.02	EDL	ug/g	Wet Wt	1	54.3	110	11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1448
ENV99-03	E9901929SR	House Ref. Liver	Tissue	HRL	7439-92-1	Lead	50.00	0.23	EDL	ug/g	Wet Wt	1	48	104	11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1448
ENV99-03	E9901929SR	House Ref. Liver	Tissue	HRL	7439-96-5	Manganese	12.00	0.01	EDL	ug/g	Wet Wt	1	10.1	119	11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1448
ENV99-03	E9901929SR	House Ref. Liver	Tissue	HRL	7439-89-6	Iron	190	0.04	EDL	ug/g	Wet Wt	1	183	104	11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1448
ENV99-03	E9901929SR	House Ref. Liver	Tissue	HRL	7440-50-8	Copper	130.0	0.03	EDL	ug/g	Wet Wt	1	123	106	11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1448
ENV99-03	E9901943	102-9-011973	Liver	Triplicate	7439-98-7	Molybdenum	1.500	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1451
ENV99-03	E9901943	102-9-011973	Liver	Triplicate	7440-66-6	Zinc	24	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1451
ENV99-03	E9901943	102-9-011973	Liver	Triplicate	7440-43-9	Cadmium	0.480	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1451
ENV99-03	E9901943	102-9-011973	Liver	Triplicate	7439-92-1	Lead	0.43	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1451
ENV99-03	E9901943	102-9-011973	Liver	Triplicate	7439-96-5	Manganese	2.80	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1451
ENV99-03	E9901943	102-9-011973	Liver	Triplicate	7439-89-6	Iron	130	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1451
ENV99-03	E9901943	102-9-011973	Liver	Triplicate	7440-50-8	Copper	25.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1451
ENV99-03	E9901943-2	102-9-011973	Liver	Triplicate	7439-98-7	Molybdenum	1.500	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1455
ENV99-03	E9901943-2	102-9-011973	Liver	Triplicate	7440-66-6	Zinc	23	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1455
ENV99-03	E9901943-2	102-9-011973	Liver	Triplicate	7440-43-9	Cadmium	0.440	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1455
ENV99-03	E9901943-2	102-9-011973	Liver	Triplicate	7439-92-1	Lead	0.0305	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1455
ENV99-03	E9901943-2	102-9-011973	Liver	Triplicate	7439-96-5	Manganese	3.00	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1455
ENV99-03	E9901943-2	102-9-011973	Liver	Triplicate	7439-89-6	Iron	120	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1455
ENV99-03	E9901943-2	102-9-011973	Liver	Triplicate	7440-50-8	Copper	25.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1455
ENV99-03	E9901943-3	102-9-011973	Liver	Triplicate	7439-98-7	Molybdenum	1.200	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1458
ENV99-03	E9901943-3	102-9-011973	Liver	Triplicate	7440-66-6	Zinc	23	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1458
ENV99-03	E9901943-3	102-9-011973	Liver	Triplicate	7440-43-9	Cadmium	0.460	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1458
ENV99-03	E9901943-3	102-9-011973	Liver	Triplicate	7439-92-1	Lead	-0.3631	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1458
ENV99-03	E9901943-3	102-9-011973	Liver	Triplicate	7439-96-5	Manganese	2.80	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1458
ENV99-03	E9901943-3	102-9-011973	Liver	Triplicate	7439-89-6	Iron	130	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1458
ENV99-03	E9901943-3	102-9-011973	Liver	Triplicate	7440-50-8	Copper	25.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1458
ENV99-03	E9901943MS	102-9-011973-MS	Liver	MS	7440-43-9	Cadmium	104			%	Wet Wt	1			11/12/1999	ICP	HMICP_2-15-00	0215HMS	2/14/2000	2/15/2000	1214
ENV99-03	E9901951	105-9-004447	Liver	Primary	7439-98-7	Molybdenum	1.700	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1505
ENV99-03	E9901951	105-9-004447	Liver	Primary	7440-66-6	Zinc	25	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1505
ENV99-03	E9901951	105-9-004447	Liver	Primary	7440-43-9	Cadmium	0.490	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1505
ENV99-03	E9901951	105-9-004447	Liver	Primary	7439-92-1	Lead	0.1618	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1505
ENV99-03	E9901951	105-9-004447	Liver	Primary	7439-96-5	Manganese	3.30	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1505
ENV99-03	E9901951	105-9-004447	Liver	Primary	7439-89-6	Iron	140	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1505

ATTACHMENT A
MWH EDD 1999-2000 ECOR TISSUE DATA
TRACE METALS BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV99-03	E9901951	105-9-004447	Liver	Primary	7440-50-8	Copper	28.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1505
ENV99-03	E9901951D	105-9-004447	Liver	Lab Duplicate	7439-98-7	Molybdenum	1.600	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1508
ENV99-03	E9901951D	105-9-004447	Liver	Lab Duplicate	7440-66-6	Zinc	27	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1508
ENV99-03	E9901951D	105-9-004447	Liver	Lab Duplicate	7440-43-9	Cadmium	0.550	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1508
ENV99-03	E9901951D	105-9-004447	Liver	Lab Duplicate	7439-92-1	Lead	0.23	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1508
ENV99-03	E9901951D	105-9-004447	Liver	Lab Duplicate	7439-96-5	Manganese	3.30	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1508
ENV99-03	E9901951D	105-9-004447	Liver	Lab Duplicate	7439-89-6	Iron	140	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1508
ENV99-03	E9901951D	105-9-004447	Liver	Lab Duplicate	7440-50-8	Copper	30.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1508
ENV99-01	E9901951CS	Check Standard	Lab QC	CS	7439-98-7	Molybdenum	0.936	0.09	EDL	ug/g	Wet Wt	1	1	94	11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1512
ENV99-01	E9901951CS	Check Standard	Lab QC	CS	7440-66-6	Zinc	4.893	0.01	EDL	ug/g	Wet Wt	1	5	98	11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1512
ENV99-01	E9901951CS	Check Standard	Lab QC	CS	7440-43-9	Cadmium	0.995	0.02	EDL	ug/g	Wet Wt	1	1	100	11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1512
ENV99-01	E9901951CS	Check Standard	Lab QC	CS	7439-92-1	Lead	4.953	0.23	EDL	ug/g	Wet Wt	1	5	99	11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1512
ENV99-01	E9901951CS	Check Standard	Lab QC	CS	7439-96-5	Manganese	4.936	0.01	EDL	ug/g	Wet Wt	1	5	99	11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1512
ENV99-01	E9901951CS	Check Standard	Lab QC	CS	7439-89-6	Iron	4.968	0.04	EDL	ug/g	Wet Wt	1	5	99	11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1512
ENV99-01	E9901951CS	Check Standard	Lab QC	CS	7440-50-8	Copper	5.184	0.03	EDL	ug/g	Wet Wt	1	5	104	11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1512
ENV99-03	E9901984	101-9-041577	Muscle	Primary	7439-98-7	Molybdenum	0.130	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1516
ENV99-03	E9901984	101-9-041577	Muscle	Primary	7440-66-6	Zinc	120	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1516
ENV99-03	E9901984	101-9-041577	Muscle	Primary	7440-43-9	Cadmium	0.190	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1516
ENV99-03	E9901984	101-9-041577	Muscle	Primary	7439-92-1	Lead	0.95	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1516
ENV99-03	E9901984	101-9-041577	Muscle	Primary	7439-96-5	Manganese	0.55	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1516
ENV99-03	E9901984	101-9-041577	Muscle	Primary	7439-89-6	Iron	59	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1516
ENV99-03	E9901984	101-9-041577	Muscle	Primary	7440-50-8	Copper	1.2	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1516
ENV99-03	E9901989	101-9-069462	Muscle	Primary	7439-98-7	Molybdenum	0.110	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1519
ENV99-03	E9901989	101-9-069462	Muscle	Primary	7440-66-6	Zinc	86	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1519
ENV99-03	E9901989	101-9-069462	Muscle	Primary	7440-43-9	Cadmium	0.180	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1519
ENV99-03	E9901989	101-9-069462	Muscle	Primary	7439-92-1	Lead	0.55	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1519
ENV99-03	E9901989	101-9-069462	Muscle	Primary	7439-96-5	Manganese	2.60	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1519
ENV99-03	E9901989	101-9-069462	Muscle	Primary	7439-89-6	Iron	90	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1519
ENV99-03	E9901989	101-9-069462	Muscle	Primary	7440-50-8	Copper	1.2	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1519
ENV99-03	E9902000	102-9-011973	Muscle	Triplicate	7439-98-7	Molybdenum	0.0424	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1523
ENV99-03	E9902000	102-9-011973	Muscle	Triplicate	7440-66-6	Zinc	76	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1523
ENV99-03	E9902000	102-9-011973	Muscle	Triplicate	7440-43-9	Cadmium	0.160	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1523
ENV99-03	E9902000	102-9-011973	Muscle	Triplicate	7439-92-1	Lead	-0.2450	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1523
ENV99-03	E9902000	102-9-011973	Muscle	Triplicate	7439-96-5	Manganese	0.21	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1523
ENV99-03	E9902000	102-9-011973	Muscle	Triplicate	7439-89-6	Iron	32	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1523
ENV99-03	E9902000	102-9-011973	Muscle	Triplicate	7440-50-8	Copper	1.3	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1523
ENV99-03	E9902000-2	102-9-011973	Muscle	Triplicate	7439-98-7	Molybdenum	0.230	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1526
ENV99-03	E9902000-2	102-9-011973	Muscle	Triplicate	7440-66-6	Zinc	81	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1526
ENV99-03	E9902000-2	102-9-011973	Muscle	Triplicate	7440-43-9	Cadmium	0.160	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1526
ENV99-03	E9902000-2	102-9-011973	Muscle	Triplicate	7439-92-1	Lead	0.52	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1526
ENV99-03	E9902000-2	102-9-011973	Muscle	Triplicate	7439-96-5	Manganese	0.19	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1526
ENV99-03	E9902000-2	102-9-011973	Muscle	Triplicate	7439-89-6	Iron	26	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1526
ENV99-03	E9902000-2	102-9-011973	Muscle	Triplicate	7440-50-8	Copper	3.6	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1526
ENV99-03	E9902000-3	102-9-011973	Muscle	Triplicate	7439-98-7	Molybdenum	0.0358	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1529
ENV99-03	E9902000-3	102-9-011973	Muscle	Triplicate	7440-66-6	Zinc	76	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1529
ENV99-03	E9902000-3	102-9-011973	Muscle	Triplicate	7440-43-9	Cadmium	0.170	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1529
ENV99-03	E9902000-3	102-9-011973	Muscle	Triplicate	7439-92-1	Lead	0.1774	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1529
ENV99-03	E9902000-3	102-9-011973	Muscle	Triplicate	7439-96-5	Manganese	0.62	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1529
ENV99-03	E9902000-3	102-9-011973	Muscle	Triplicate	7439-89-6	Iron	26	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1529
ENV99-03	E9902000-3	102-9-011973	Muscle	Triplicate	7440-50-8	Copper	1.1	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1529
ENV99-03	E9902004	105-9-004447	Muscle	Primary	7439-98-7	Molybdenum	-0.1195	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1536
ENV99-03	E9902004	105-9-004447	Muscle	Primary	7440-66-6	Zinc	94	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1536

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
TRACE METALS BY ICP
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UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV99-03	E9902004	105-9-004447	Muscle	Primary	7440-43-9	Cadmium	0.180	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1536
ENV99-03	E9902004	105-9-004447	Muscle	Primary	7439-92-1	Lead	0.60	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1536
ENV99-03	E9902004	105-9-004447	Muscle	Primary	7439-96-5	Manganese	0.24	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1536
ENV99-03	E9902004	105-9-004447	Muscle	Primary	7439-89-6	Iron	41	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1536
ENV99-03	E9902004	105-9-004447	Muscle	Primary	7440-50-8	Copper	1.4	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1536
ENV99-01	E9901836	108-9-004804	Muscle	Primary	7439-98-7	Molybdenum	-0.1476	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1540
ENV99-01	E9901836	108-9-004804	Muscle	Primary	7440-66-6	Zinc	26	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1540
ENV99-01	E9901836	108-9-004804	Muscle	Primary	7440-43-9	Cadmium	0.084	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1540
ENV99-01	E9901836	108-9-004804	Muscle	Primary	7439-92-1	Lead	-0.0655	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1540
ENV99-01	E9901836	108-9-004804	Muscle	Primary	7439-96-5	Manganese	0.28	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1540
ENV99-01	E9901836	108-9-004804	Muscle	Primary	7439-89-6	Iron	42	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1540
ENV99-01	E9901836	108-9-004804	Muscle	Primary	7440-50-8	Copper	2.4	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1540
ENV99-01	E9901836B	Laboratory Blank	Lab QC	BLANK	7439-98-7	Molybdenum	0.0151	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1543
ENV99-01	E9901836B	Laboratory Blank	Lab QC	BLANK	7440-66-6	Zinc	0.0080	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1543
ENV99-01	E9901836B	Laboratory Blank	Lab QC	BLANK	7440-43-9	Cadmium	-0.0021	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1543
ENV99-01	E9901836B	Laboratory Blank	Lab QC	BLANK	7439-92-1	Lead	0.0407	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1543
ENV99-01	E9901836B	Laboratory Blank	Lab QC	BLANK	7439-96-5	Manganese	0.0019	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1543
ENV99-01	E9901836B	Laboratory Blank	Lab QC	BLANK	7439-89-6	Iron	0.0033	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1543
ENV99-01	E9901836B	Laboratory Blank	Lab QC	BLANK	7440-50-8	Copper	0.0011	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1543
ENV99-01	E9901836BS	Lab. Blank Spike	Lab QC	BS	7440-43-9	Cadmium	92			%	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1546
ENV99-01	E9901836CS	Check Standard	Lab QC	CS	7439-98-7	Molybdenum	0.945	0.09	EDL	ug/g	Wet Wt	1	1	95	11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1550
ENV99-01	E9901836CS	Check Standard	Lab QC	CS	7440-66-6	Zinc	4.794	0.01	EDL	ug/g	Wet Wt	1	5	96	11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1550
ENV99-01	E9901836CS	Check Standard	Lab QC	CS	7440-43-9	Cadmium	0.989	0.02	EDL	ug/g	Wet Wt	1	1	99	11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1550
ENV99-01	E9901836CS	Check Standard	Lab QC	CS	7439-92-1	Lead	5.006	0.23	EDL	ug/g	Wet Wt	1	5	100	11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1550
ENV99-01	E9901836CS	Check Standard	Lab QC	CS	7439-96-5	Manganese	5.045	0.01	EDL	ug/g	Wet Wt	1	5	101	11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1550
ENV99-01	E9901836CS	Check Standard	Lab QC	CS	7439-89-6	Iron	4.821	0.04	EDL	ug/g	Wet Wt	1	5	96	11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1550
ENV99-01	E9901836CS	Check Standard	Lab QC	CS	7440-50-8	Copper	4.945	0.03	EDL	ug/g	Wet Wt	1	5	99	11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1550
ENV99-01	E9901836SR	House Ref. Liver	Tissue	HRL	7439-98-7	Molybdenum	3.700	0.09	EDL	ug/g	Wet Wt	1	3.17	117	11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1553
ENV99-01	E9901836SR	House Ref. Liver	Tissue	HRL	7440-66-6	Zinc	130	0.01	EDL	ug/g	Wet Wt	1	120	108	11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1553
ENV99-01	E9901836SR	House Ref. Liver	Tissue	HRL	7440-43-9	Cadmium	61.000	0.02	EDL	ug/g	Wet Wt	1	54.3	112	11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1553
ENV99-01	E9901836SR	House Ref. Liver	Tissue	HRL	7439-92-1	Lead	53.00	0.23	EDL	ug/g	Wet Wt	1	48	110	11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1553
ENV99-01	E9901836SR	House Ref. Liver	Tissue	HRL	7439-96-5	Manganese	12.00	0.01	EDL	ug/g	Wet Wt	1	10.1	119	11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1553
ENV99-01	E9901836SR	House Ref. Liver	Tissue	HRL	7439-89-6	Iron	190	0.04	EDL	ug/g	Wet Wt	1	183	104	11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1553
ENV99-01	E9901836SR	House Ref. Liver	Tissue	HRL	7440-50-8	Copper	140.0	0.03	EDL	ug/g	Wet Wt	1	123	114	11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1553
ENV99-01	E9901647	101-9-007510	Liver	Triplicate	7439-98-7	Molybdenum	1.600	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1556
ENV99-01	E9901647	101-9-007510	Liver	Triplicate	7440-66-6	Zinc	27	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1556
ENV99-01	E9901647	101-9-007510	Liver	Triplicate	7440-43-9	Cadmium	0.330	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1556
ENV99-01	E9901647	101-9-007510	Liver	Triplicate	7439-92-1	Lead	0.1717	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1556
ENV99-01	E9901647	101-9-007510	Liver	Triplicate	7439-96-5	Manganese	4.60	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1556
ENV99-01	E9901647	101-9-007510	Liver	Triplicate	7439-89-6	Iron	210	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1556
ENV99-01	E9901647	101-9-007510	Liver	Triplicate	7440-50-8	Copper	56.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1556
ENV99-01	E9901647-2	101-9-007510	Liver	Triplicate	7439-98-7	Molybdenum	1.800	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1600
ENV99-01	E9901647-2	101-9-007510	Liver	Triplicate	7440-66-6	Zinc	29	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1600
ENV99-01	E9901647-2	101-9-007510	Liver	Triplicate	7440-43-9	Cadmium	0.370	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1600
ENV99-01	E9901647-2	101-9-007510	Liver	Triplicate	7439-92-1	Lead	0.1636	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1600
ENV99-01	E9901647-2	101-9-007510	Liver	Triplicate	7439-96-5	Manganese	4.40	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1600
ENV99-01	E9901647-2	101-9-007510	Liver	Triplicate	7439-89-6	Iron	200	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1600
ENV99-01	E9901647-2	101-9-007510	Liver	Triplicate	7440-50-8	Copper	57.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1600
ENV99-01	E9901647-3	101-9-007510	Liver	Triplicate	7439-98-7	Molybdenum	1.300	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1603
ENV99-01	E9901647-3	101-9-007510	Liver	Triplicate	7440-66-6	Zinc	29	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1603
ENV99-01	E9901647-3	101-9-007510	Liver	Triplicate	7440-43-9	Cadmium	0.290	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1603
ENV99-01	E9901647-3	101-9-007510	Liver	Triplicate	7439-92-1	Lead	0.0585	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1603

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
TRACE METALS BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV99-01	E9901647-3	101-9-007510	Liver	Triplicate	7439-96-5	Manganese	4.70	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1603
ENV99-01	E9901647-3	101-9-007510	Liver	Triplicate	7439-89-6	Iron	200	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1603
ENV99-01	E9901647-3	101-9-007510	Liver	Triplicate	7440-50-8	Copper	52.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1603
ENV99-01	E9901652	101-9-013229	Liver	Primary	7439-98-7	Molybdenum	1.200	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1610
ENV99-01	E9901652	101-9-013229	Liver	Primary	7440-66-6	Zinc	27	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1610
ENV99-01	E9901652	101-9-013229	Liver	Primary	7440-43-9	Cadmium	0.550	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1610
ENV99-01	E9901652	101-9-013229	Liver	Primary	7439-92-1	Lead	0.68	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1610
ENV99-01	E9901652	101-9-013229	Liver	Primary	7439-96-5	Manganese	3.60	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1610
ENV99-01	E9901652	101-9-013229	Liver	Primary	7439-89-6	Iron	120	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1610
ENV99-01	E9901652	101-9-013229	Liver	Primary	7440-50-8	Copper	48.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1610
ENV99-01	E9901652D	101-9-013229	Liver	Lab Duplicate	7439-98-7	Molybdenum	1.200	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1613
ENV99-01	E9901652D	101-9-013229	Liver	Lab Duplicate	7440-66-6	Zinc	26	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1613
ENV99-01	E9901652D	101-9-013229	Liver	Lab Duplicate	7440-43-9	Cadmium	0.530	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1613
ENV99-01	E9901652D	101-9-013229	Liver	Lab Duplicate	7439-92-1	Lead	0.85	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1613
ENV99-01	E9901652D	101-9-013229	Liver	Lab Duplicate	7439-96-5	Manganese	3.40	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1613
ENV99-01	E9901652D	101-9-013229	Liver	Lab Duplicate	7439-89-6	Iron	120	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1613
ENV99-01	E9901652D	101-9-013229	Liver	Lab Duplicate	7440-50-8	Copper	41.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1613
ENV99-01	E9901657	101-9-020457	Liver	Primary	7439-98-7	Molybdenum	1.000	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1617
ENV99-01	E9901657	101-9-020457	Liver	Primary	7440-66-6	Zinc	37	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1617
ENV99-01	E9901657	101-9-020457	Liver	Primary	7440-43-9	Cadmium	0.450	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1617
ENV99-01	E9901657	101-9-020457	Liver	Primary	7439-92-1	Lead	1.10	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1617
ENV99-01	E9901657	101-9-020457	Liver	Primary	7439-96-5	Manganese	2.90	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1617
ENV99-01	E9901657	101-9-020457	Liver	Primary	7439-89-6	Iron	260	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1617
ENV99-01	E9901657	101-9-020457	Liver	Primary	7440-50-8	Copper	54.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1617
ENV99-01	E9901673	101-9-057366	Liver	Primary	7439-98-7	Molybdenum	1.100	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1620
ENV99-01	E9901673	101-9-057366	Liver	Primary	7440-66-6	Zinc	27	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1620
ENV99-01	E9901673	101-9-057366	Liver	Primary	7440-43-9	Cadmium	0.650	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1620
ENV99-01	E9901673	101-9-057366	Liver	Primary	7439-92-1	Lead	0.33	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1620
ENV99-01	E9901673	101-9-057366	Liver	Primary	7439-96-5	Manganese	4.50	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1620
ENV99-01	E9901673	101-9-057366	Liver	Primary	7439-89-6	Iron	180	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1620
ENV99-01	E9901673	101-9-057366	Liver	Primary	7440-50-8	Copper	69.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1620
ENV99-01	E9901690	102-9-003525	Liver	Primary	7439-98-7	Molybdenum	1.400	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1623
ENV99-01	E9901690	102-9-003525	Liver	Primary	7440-66-6	Zinc	29	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1623
ENV99-01	E9901690	102-9-003525	Liver	Primary	7440-43-9	Cadmium	0.200	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1623
ENV99-01	E9901690	102-9-003525	Liver	Primary	7439-92-1	Lead	0.65	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1623
ENV99-01	E9901690	102-9-003525	Liver	Primary	7439-96-5	Manganese	3.80	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1623
ENV99-01	E9901690	102-9-003525	Liver	Primary	7439-89-6	Iron	73	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1623
ENV99-01	E9901690	102-9-003525	Liver	Primary	7440-50-8	Copper	11.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1623
ENV99-01	E9901692	102-9-008730	Liver	Primary	7439-98-7	Molybdenum	1.200	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1630
ENV99-01	E9901692	102-9-008730	Liver	Primary	7440-66-6	Zinc	35	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1630
ENV99-01	E9901692	102-9-008730	Liver	Primary	7440-43-9	Cadmium	0.830	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1630
ENV99-01	E9901692	102-9-008730	Liver	Primary	7439-92-1	Lead	0.0681	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1630
ENV99-01	E9901692	102-9-008730	Liver	Primary	7439-96-5	Manganese	3.90	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1630
ENV99-01	E9901692	102-9-008730	Liver	Primary	7439-89-6	Iron	86	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1630
ENV99-01	E9901692	102-9-008730	Liver	Primary	7440-50-8	Copper	8.7	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1630
ENV99-01	E9901692B	Laboratory Blank	Lab QC	BLANK	7439-98-7	Molybdenum	-0.0084	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1634
ENV99-01	E9901692B	Laboratory Blank	Lab QC	BLANK	7440-66-6	Zinc	0.0031	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1634
ENV99-01	E9901692B	Laboratory Blank	Lab QC	BLANK	7440-43-9	Cadmium	0.0030	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1634
ENV99-01	E9901692B	Laboratory Blank	Lab QC	BLANK	7439-92-1	Lead	0.0575	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1634
ENV99-01	E9901692B	Laboratory Blank	Lab QC	BLANK	7439-96-5	Manganese	0.0015	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1634
ENV99-01	E9901692B	Laboratory Blank	Lab QC	BLANK	7439-89-6	Iron	0.0064	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1634
ENV99-01	E9901692B	Laboratory Blank	Lab QC	BLANK	7440-50-8	Copper	0.0019	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1634

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UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV99-01	E9901692BS	Lab. Blank Spike	Lab QC	BS	7440-43-9	Cadmium	96			%	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1637
ENV99-01	E9901692SR	House Ref. Liver	Tissue	HRL	7439-98-7	Molybdenum	3.600	0.09	EDL	ug/g	Wet Wt	1	3.17	114	11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1640
ENV99-01	E9901692SR	House Ref. Liver	Tissue	HRL	7440-66-6	Zinc	140	0.01	EDL	ug/g	Wet Wt	1	120	117	11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1640
ENV99-01	E9901692SR	House Ref. Liver	Tissue	HRL	7440-43-9	Cadmium	62.000	0.02	EDL	ug/g	Wet Wt	1	54.3	114	11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1640
ENV99-01	E9901692SR	House Ref. Liver	Tissue	HRL	7439-92-1	Lead	55.00	0.23	EDL	ug/g	Wet Wt	1	48	115	11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1640
ENV99-01	E9901692SR	House Ref. Liver	Tissue	HRL	7439-96-5	Manganese	13.00	0.01	EDL	ug/g	Wet Wt	1	10.1	129	11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1640
ENV99-01	E9901692SR	House Ref. Liver	Tissue	HRL	7439-89-6	Iron	190	0.04	EDL	ug/g	Wet Wt	1	183	104	11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1640
ENV99-01	E9901692SR	House Ref. Liver	Tissue	HRL	7440-50-8	Copper	140.0	0.03	EDL	ug/g	Wet Wt	1	123	114	11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1640
ENV99-01	E9901713	106-9-009470	Liver	Primary	7439-98-7	Molybdenum	1.400	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1644
ENV99-01	E9901713	106-9-009470	Liver	Primary	7440-66-6	Zinc	30	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1644
ENV99-01	E9901713	106-9-009470	Liver	Primary	7440-43-9	Cadmium	0.500	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1644
ENV99-01	E9901713	106-9-009470	Liver	Primary	7439-92-1	Lead	0.84	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1644
ENV99-01	E9901713	106-9-009470	Liver	Primary	7439-96-5	Manganese	3.60	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1644
ENV99-01	E9901713	106-9-009470	Liver	Primary	7439-89-6	Iron	130	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1644
ENV99-01	E9901713	106-9-009470	Liver	Primary	7440-50-8	Copper	25.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1644
ENV99-01	E9901715	107-9-001328	Liver	Primary	7439-98-7	Molybdenum	1.400	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1647
ENV99-01	E9901715	107-9-001328	Liver	Primary	7440-66-6	Zinc	48	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1647
ENV99-01	E9901715	107-9-001328	Liver	Primary	7440-43-9	Cadmium	0.700	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1647
ENV99-01	E9901715	107-9-001328	Liver	Primary	7439-92-1	Lead	0.0328	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1647
ENV99-01	E9901715	107-9-001328	Liver	Primary	7439-96-5	Manganese	2.10	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1647
ENV99-01	E9901715	107-9-001328	Liver	Primary	7439-89-6	Iron	300	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1647
ENV99-01	E9901715	107-9-001328	Liver	Primary	7440-50-8	Copper	38.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1647
ENV99-01	E9901718	107-9-008536	Liver	Primary	7439-98-7	Molybdenum	1.800	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1651
ENV99-01	E9901718	107-9-008536	Liver	Primary	7440-66-6	Zinc	31	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1651
ENV99-01	E9901718	107-9-008536	Liver	Primary	7440-43-9	Cadmium	0.320	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1651
ENV99-01	E9901718	107-9-008536	Liver	Primary	7439-92-1	Lead	0.65	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1651
ENV99-01	E9901718	107-9-008536	Liver	Primary	7439-96-5	Manganese	3.40	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1651
ENV99-01	E9901718	107-9-008536	Liver	Primary	7439-89-6	Iron	100	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1651
ENV99-01	E9901718	107-9-008536	Liver	Primary	7440-50-8	Copper	4.8	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1651
ENV99-01	E9901722	108-9-004804	Liver	Primary	7439-98-7	Molybdenum	1.800	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1654
ENV99-01	E9901722	108-9-004804	Liver	Primary	7440-66-6	Zinc	29	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1654
ENV99-01	E9901722	108-9-004804	Liver	Primary	7440-43-9	Cadmium	0.560	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1654
ENV99-01	E9901722	108-9-004804	Liver	Primary	7439-92-1	Lead	0.58	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1654
ENV99-01	E9901722	108-9-004804	Liver	Primary	7439-96-5	Manganese	3.90	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1654
ENV99-01	E9901722	108-9-004804	Liver	Primary	7439-89-6	Iron	140	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1654
ENV99-01	E9901722	108-9-004804	Liver	Primary	7440-50-8	Copper	66.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1654
ENV99-01	E9901745	101-9-007510	Muscle	Triplicate	7439-98-7	Molybdenum	-0.0091	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1657
ENV99-01	E9901745	101-9-007510	Muscle	Triplicate	7440-66-6	Zinc	98	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1657
ENV99-01	E9901745	101-9-007510	Muscle	Triplicate	7440-43-9	Cadmium	0.130	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1657
ENV99-01	E9901745	101-9-007510	Muscle	Triplicate	7439-92-1	Lead	0.2298	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1657
ENV99-01	E9901745	101-9-007510	Muscle	Triplicate	7439-96-5	Manganese	0.40	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1657
ENV99-01	E9901745	101-9-007510	Muscle	Triplicate	7439-89-6	Iron	56	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1657
ENV99-01	E9901745	101-9-007510	Muscle	Triplicate	7440-50-8	Copper	1.5	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1657
ENV99-01	E9901745-2	101-9-007510	Muscle	Triplicate	7439-98-7	Molybdenum	-0.0745	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1701
ENV99-01	E9901745-2	101-9-007510	Muscle	Triplicate	7440-66-6	Zinc	130	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1701
ENV99-01	E9901745-2	101-9-007510	Muscle	Triplicate	7440-43-9	Cadmium	0.160	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1701
ENV99-01	E9901745-2	101-9-007510	Muscle	Triplicate	7439-92-1	Lead	0.0531	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1701
ENV99-01	E9901745-2	101-9-007510	Muscle	Triplicate	7439-96-5	Manganese	0.38	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1701
ENV99-01	E9901745-2	101-9-007510	Muscle	Triplicate	7439-89-6	Iron	57	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1701
ENV99-01	E9901745-2	101-9-007510	Muscle	Triplicate	7440-50-8	Copper	1.6	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1701
ENV99-01	E9901745-3	101-9-007510	Muscle	Triplicate	7439-98-7	Molybdenum	-0.0441	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1707
ENV99-01	E9901745-3	101-9-007510	Muscle	Triplicate	7440-66-6	Zinc	120	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1707

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UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV99-01	E9901745-3	101-9-007510	Muscle	Triplicate	7440-43-9	Cadmium	0.190	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1707
ENV99-01	E9901745-3	101-9-007510	Muscle	Triplicate	7439-92-1	Lead	-0.1226	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1707
ENV99-01	E9901745-3	101-9-007510	Muscle	Triplicate	7439-96-5	Manganese	0.35	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1707
ENV99-01	E9901745-3	101-9-007510	Muscle	Triplicate	7439-89-6	Iron	56	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1707
ENV99-01	E9901745-3	101-9-007510	Muscle	Triplicate	7440-50-8	Copper	1.6	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1707
ENV99-01	E9901745MS	101-9-007510-MS	Muscle	MS	7440-43-9	Cadmium	101			%	Wet Wt	1			11/2/1999	ICP	HMICP_2-15-00	0215HMS	2/14/2000	2/15/2000	1106
ENV99-01	E9901752	101-9-013229	Muscle	Primary	7439-98-7	Molybdenum	-0.0316	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1714
ENV99-01	E9901752	101-9-013229	Muscle	Primary	7440-66-6	Zinc	51	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1714
ENV99-01	E9901752	101-9-013229	Muscle	Primary	7440-43-9	Cadmium	0.120	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1714
ENV99-01	E9901752	101-9-013229	Muscle	Primary	7439-92-1	Lead	0.30	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1714
ENV99-01	E9901752	101-9-013229	Muscle	Primary	7439-96-5	Manganese	0.60	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1714
ENV99-01	E9901752	101-9-013229	Muscle	Primary	7439-89-6	Iron	45	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1714
ENV99-01	E9901752	101-9-013229	Muscle	Primary	7440-50-8	Copper	1.5	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1714
ENV99-01	E9901752D	101-9-013229	Muscle	Lab Duplicate	7439-98-7	Molybdenum	0.200	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1719
ENV99-01	E9901752D	101-9-013229	Muscle	Lab Duplicate	7440-66-6	Zinc	68	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1719
ENV99-01	E9901752D	101-9-013229	Muscle	Lab Duplicate	7440-43-9	Cadmium	0.130	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1719
ENV99-01	E9901752D	101-9-013229	Muscle	Lab Duplicate	7439-92-1	Lead	0.49	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1719
ENV99-01	E9901752D	101-9-013229	Muscle	Lab Duplicate	7439-96-5	Manganese	0.38	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1719
ENV99-01	E9901752D	101-9-013229	Muscle	Lab Duplicate	7439-89-6	Iron	37	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1719
ENV99-01	E9901752D	101-9-013229	Muscle	Lab Duplicate	7440-50-8	Copper	1.2	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1719
ENV99-01	E9901761	101-9-020457	Muscle	Primary	7439-98-7	Molybdenum	0.0417	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1722
ENV99-01	E9901761	101-9-020457	Muscle	Primary	7440-66-6	Zinc	47	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1722
ENV99-01	E9901761	101-9-020457	Muscle	Primary	7440-43-9	Cadmium	0.110	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1722
ENV99-01	E9901761	101-9-020457	Muscle	Primary	7439-92-1	Lead	0.26	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1722
ENV99-01	E9901761	101-9-020457	Muscle	Primary	7439-96-5	Manganese	0.33	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1722
ENV99-01	E9901761	101-9-020457	Muscle	Primary	7439-89-6	Iron	47	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1722
ENV99-01	E9901761	101-9-020457	Muscle	Primary	7440-50-8	Copper	1.7	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1722
ENV99-01	E9901693	102-9-009184	Liver	Primary	7439-98-7	Molybdenum	1.300	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1725
ENV99-01	E9901693	102-9-009184	Liver	Primary	7440-66-6	Zinc	26	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1725
ENV99-01	E9901693	102-9-009184	Liver	Primary	7440-43-9	Cadmium	0.500	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1725
ENV99-01	E9901693	102-9-009184	Liver	Primary	7439-92-1	Lead	1.00	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1725
ENV99-01	E9901693	102-9-009184	Liver	Primary	7439-96-5	Manganese	3.00	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1725
ENV99-01	E9901693	102-9-009184	Liver	Primary	7439-89-6	Iron	300	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1725
ENV99-01	E9901693	102-9-009184	Liver	Primary	7440-50-8	Copper	56.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1725
ENV99-01	E9901693B	Laboratory Blank	Lab QC	BLANK	7439-98-7	Molybdenum	0.0194	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1729
ENV99-01	E9901693B	Laboratory Blank	Lab QC	BLANK	7440-66-6	Zinc	0.0003	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1729
ENV99-01	E9901693B	Laboratory Blank	Lab QC	BLANK	7440-43-9	Cadmium	0.0017	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1729
ENV99-01	E9901693B	Laboratory Blank	Lab QC	BLANK	7439-92-1	Lead	0.0679	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1729
ENV99-01	E9901693B	Laboratory Blank	Lab QC	BLANK	7439-96-5	Manganese	0.0009	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1729
ENV99-01	E9901693B	Laboratory Blank	Lab QC	BLANK	7439-89-6	Iron	0.0052	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1729
ENV99-01	E9901693B	Laboratory Blank	Lab QC	BLANK	7440-50-8	Copper	0.0017	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1729
ENV99-01	E9901693BS	Lab. Blank Spike	Lab QC	BS	7440-43-9	Cadmium	102			%	Wet Wt	1			11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1732
ENV99-01	E9901693SR	House Ref. Liver	Tissue	HRL	7439-98-7	Molybdenum	3.700	0.09	EDL	ug/g	Wet Wt	1	3.17	117	11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1736
ENV99-01	E9901693SR	House Ref. Liver	Tissue	HRL	7440-66-6	Zinc	140	0.01	EDL	ug/g	Wet Wt	1	120	117	11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1736
ENV99-01	E9901693SR	House Ref. Liver	Tissue	HRL	7440-43-9	Cadmium	60.000	0.02	EDL	ug/g	Wet Wt	1	54.3	110	11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1736
ENV99-01	E9901693SR	House Ref. Liver	Tissue	HRL	7439-92-1	Lead	53.00	0.23	EDL	ug/g	Wet Wt	1	48	110	11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1736
ENV99-01	E9901693SR	House Ref. Liver	Tissue	HRL	7439-96-5	Manganese	12.00	0.01	EDL	ug/g	Wet Wt	1	10.1	119	11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1736
ENV99-01	E9901693SR	House Ref. Liver	Tissue	HRL	7439-89-6	Iron	210	0.04	EDL	ug/g	Wet Wt	1	183	115	11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1736
ENV99-01	E9901693SR	House Ref. Liver	Tissue	HRL	7440-50-8	Copper	140.0	0.03	EDL	ug/g	Wet Wt	1	123	114	11/2/1999	ICP	HMICP_12-2-99	1130HMS/1130HMS2	11/23/1999	12/2/1999	1736
ENV99-01	E9901644B	Laboratory Blank	Lab QC	BLANK	7439-98-7	Molybdenum	-0.0171	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901644B	Laboratory Blank	Lab QC	BLANK	7440-66-6	Zinc	0.0032	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901644B	Laboratory Blank	Lab QC	BLANK	7440-43-9	Cadmium	0.0024	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
TRACE METALS BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV99-01	E9901644B	Laboratory Blank	Lab QC	BLANK	7439-92-1	Lead	0.011	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901644B	Laboratory Blank	Lab QC	BLANK	7439-96-5	Manganese	0.0035	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901644B	Laboratory Blank	Lab QC	BLANK	7439-89-6	Iron	0.0064	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901644B	Laboratory Blank	Lab QC	BLANK	7440-50-8	Copper	0.00010	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901644BS	Lab. Blank Spike	Lab QC	BS	7440-43-9	Cadmium	94			%	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901644CS	Check Standard	Lab QC	CS	7439-98-7	Molybdenum	0.990	0.09	EDL	ug/g	Wet Wt	1	1	99	11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901644CS	Check Standard	Lab QC	CS	7440-66-6	Zinc	5.0	0.01	EDL	ug/g	Wet Wt	1	5	100	11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901644CS	Check Standard	Lab QC	CS	7440-43-9	Cadmium	0.980	0.02	EDL	ug/g	Wet Wt	1	1	98	11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901644CS	Check Standard	Lab QC	CS	7439-92-1	Lead	4.90	0.23	EDL	ug/g	Wet Wt	1	5	98	11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901644CS	Check Standard	Lab QC	CS	7439-96-5	Manganese	5.00	0.01	EDL	ug/g	Wet Wt	1	5	100	11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901644CS	Check Standard	Lab QC	CS	7439-89-6	Iron	4.8	0.04	EDL	ug/g	Wet Wt	1	5	96	11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901644CS	Check Standard	Lab QC	CS	7440-50-8	Copper	5.2	0.03	EDL	ug/g	Wet Wt	1	5	104	11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901644SR	House Ref. Liver	Tissue	HRL	7439-98-7	Molybdenum	3.000	0.09	EDL	ug/g	Wet Wt	1	3.17	95	11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901644SR	House Ref. Liver	Tissue	HRL	7440-66-6	Zinc	120	0.01	EDL	ug/g	Wet Wt	1	120	100	11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901644SR	House Ref. Liver	Tissue	HRL	7440-43-9	Cadmium	56.000	0.02	EDL	ug/g	Wet Wt	1	54.3	103	11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901644SR	House Ref. Liver	Tissue	HRL	7439-92-1	Lead	48.00	0.23	EDL	ug/g	Wet Wt	1	48	100	11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901644SR	House Ref. Liver	Tissue	HRL	7439-96-5	Manganese	12.00	0.01	EDL	ug/g	Wet Wt	1	10.1	119	11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901644SR	House Ref. Liver	Tissue	HRL	7439-89-6	Iron	180	0.04	EDL	ug/g	Wet Wt	1	183	98	11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901644SR	House Ref. Liver	Tissue	HRL	7440-50-8	Copper	130.0	0.03	EDL	ug/g	Wet Wt	1	123	106	11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901644	101-9-001192	Liver	Triplicate	7439-98-7	Molybdenum	1.600	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901644	101-9-001192	Liver	Triplicate	7440-66-6	Zinc	28	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901644	101-9-001192	Liver	Triplicate	7440-43-9	Cadmium	0.480	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901644	101-9-001192	Liver	Triplicate	7439-92-1	Lead	0.83	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901644	101-9-001192	Liver	Triplicate	7439-96-5	Manganese	4.50	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901644	101-9-001192	Liver	Triplicate	7439-89-6	Iron	180	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901644	101-9-001192	Liver	Triplicate	7440-50-8	Copper	32.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901644-2	101-9-001192	Liver	Triplicate	7439-98-7	Molybdenum	1.900	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901644-2	101-9-001192	Liver	Triplicate	7440-66-6	Zinc	28	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901644-2	101-9-001192	Liver	Triplicate	7440-43-9	Cadmium	0.400	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901644-2	101-9-001192	Liver	Triplicate	7439-92-1	Lead	0.35	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901644-2	101-9-001192	Liver	Triplicate	7439-96-5	Manganese	4.30	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901644-2	101-9-001192	Liver	Triplicate	7439-89-6	Iron	150.0	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901644-2	101-9-001192	Liver	Triplicate	7440-50-8	Copper	37.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901644-3	101-9-001192	Liver	Triplicate	7439-98-7	Molybdenum	1.700	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901644-3	101-9-001192	Liver	Triplicate	7440-66-6	Zinc	28	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901644-3	101-9-001192	Liver	Triplicate	7440-43-9	Cadmium	0.390	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901644-3	101-9-001192	Liver	Triplicate	7439-92-1	Lead	-0.620	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901644-3	101-9-001192	Liver	Triplicate	7439-96-5	Manganese	4.60	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901644-3	101-9-001192	Liver	Triplicate	7439-89-6	Iron	160	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901644-3	101-9-001192	Liver	Triplicate	7440-50-8	Copper	38.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901644MS	101-9-001192-MS	Liver	MS	7440-43-9	Cadmium	131			%	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901645	101-9-003744	Liver	Primary	7439-98-7	Molybdenum	1.600	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901645	101-9-003744	Liver	Primary	7440-66-6	Zinc	26	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901645	101-9-003744	Liver	Primary	7440-43-9	Cadmium	0.150	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901645	101-9-003744	Liver	Primary	7439-92-1	Lead	-0.166	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901645	101-9-003744	Liver	Primary	7439-96-5	Manganese	3.40	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901645	101-9-003744	Liver	Primary	7439-89-6	Iron	110	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901645	101-9-003744	Liver	Primary	7440-50-8	Copper	19.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901646	101-9-003836	Liver	Primary	7439-98-7	Molybdenum	1.300	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901646	101-9-003836	Liver	Primary	7440-66-6	Zinc	35	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901646	101-9-003836	Liver	Primary	7440-43-9	Cadmium	0.750	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901646	101-9-003836	Liver	Primary	7439-92-1	Lead	0.185	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
TRACE METALS BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV99-01	E9901646	101-9-003836	Liver	Primary	7439-96-5	Manganese	3.50	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901646	101-9-003836	Liver	Primary	7439-89-6	Iron	160	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901646	101-9-003836	Liver	Primary	7440-50-8	Copper	18.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901646D	101-9-003836	Liver	Lab Duplicate	7439-98-7	Molybdenum	1.300	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901646D	101-9-003836	Liver	Lab Duplicate	7440-66-6	Zinc	32	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901646D	101-9-003836	Liver	Lab Duplicate	7440-43-9	Cadmium	0.680	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901646D	101-9-003836	Liver	Lab Duplicate	7439-92-1	Lead	0.26	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901646D	101-9-003836	Liver	Lab Duplicate	7439-96-5	Manganese	3.20	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901646D	101-9-003836	Liver	Lab Duplicate	7439-89-6	Iron	160	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901646D	101-9-003836	Liver	Lab Duplicate	7440-50-8	Copper	16.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901648	101-9-008142	Liver	Primary	7439-98-7	Molybdenum	1.700	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901648	101-9-008142	Liver	Primary	7440-66-6	Zinc	31	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901648	101-9-008142	Liver	Primary	7440-43-9	Cadmium	0.470	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901648	101-9-008142	Liver	Primary	7439-92-1	Lead	0.0793	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901648	101-9-008142	Liver	Primary	7439-96-5	Manganese	4.50	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901648	101-9-008142	Liver	Primary	7439-89-6	Iron	180	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901648	101-9-008142	Liver	Primary	7440-50-8	Copper	25.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901649	101-9-009603	Liver	Primary	7439-98-7	Molybdenum	1.400	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901649	101-9-009603	Liver	Primary	7440-66-6	Zinc	27	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901649	101-9-009603	Liver	Primary	7440-43-9	Cadmium	0.310	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901649	101-9-009603	Liver	Primary	7439-92-1	Lead	0.0122	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901649	101-9-009603	Liver	Primary	7439-96-5	Manganese	2.00	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901649	101-9-009603	Liver	Primary	7439-89-6	Iron	250	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901649	101-9-009603	Liver	Primary	7440-50-8	Copper	25.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901649B	Laboratory Blank	Lab QC	BLANK	7439-98-7	Molybdenum	-0.15	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901649B	Laboratory Blank	Lab QC	BLANK	7440-66-6	Zinc	0.0050	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901649B	Laboratory Blank	Lab QC	BLANK	7440-43-9	Cadmium	0.0025	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901649B	Laboratory Blank	Lab QC	BLANK	7439-92-1	Lead	0.0166	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901649B	Laboratory Blank	Lab QC	BLANK	7439-96-5	Manganese	0.0026	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901649B	Laboratory Blank	Lab QC	BLANK	7439-89-6	Iron	0.0223	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901649B	Laboratory Blank	Lab QC	BLANK	7440-50-8	Copper	-0.019	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901649BS	Lab. Blank Spike	Lab QC	BS	7440-43-9	Cadmium	108			%	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901649CS	Check Standard	Lab QC	CS	7439-98-7	Molybdenum	0.990	0.09	EDL	ug/g	Wet Wt	1	1	99	11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901649CS	Check Standard	Lab QC	CS	7440-66-6	Zinc	5.1	0.01	EDL	ug/g	Wet Wt	1	5	102	11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901649CS	Check Standard	Lab QC	CS	7440-43-9	Cadmium	1.000	0.02	EDL	ug/g	Wet Wt	1	1	100	11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901649CS	Check Standard	Lab QC	CS	7439-92-1	Lead	5.00	0.23	EDL	ug/g	Wet Wt	1	5	100	11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901649CS	Check Standard	Lab QC	CS	7439-96-5	Manganese	5.00	0.01	EDL	ug/g	Wet Wt	1	5	100	11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901649CS	Check Standard	Lab QC	CS	7439-89-6	Iron	5.0	0.04	EDL	ug/g	Wet Wt	1	5	100	11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901649CS	Check Standard	Lab QC	CS	7440-50-8	Copper	5.3	0.03	EDL	ug/g	Wet Wt	1	5	106	11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901649SR	House Ref. Liver	Tissue	HRL	7439-98-7	Molybdenum	3.300	0.09	EDL	ug/g	Wet Wt	1	3.17	104	11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901649SR	House Ref. Liver	Tissue	HRL	7440-66-6	Zinc	130	0.01	EDL	ug/g	Wet Wt	1	120	108	11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901649SR	House Ref. Liver	Tissue	HRL	7440-43-9	Cadmium	60.000	0.02	EDL	ug/g	Wet Wt	1	54.3	110	11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901649SR	House Ref. Liver	Tissue	HRL	7439-92-1	Lead	51.00	0.23	EDL	ug/g	Wet Wt	1	48	106	11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901649SR	House Ref. Liver	Tissue	HRL	7439-96-5	Manganese	12.00	0.01	EDL	ug/g	Wet Wt	1	10.1	119	11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901649SR	House Ref. Liver	Tissue	HRL	7439-89-6	Iron	190	0.04	EDL	ug/g	Wet Wt	1	183	104	11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901649SR	House Ref. Liver	Tissue	HRL	7440-50-8	Copper	140.0	0.03	EDL	ug/g	Wet Wt	1	123	114	11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901650	101-9-011498	Liver	Primary	7439-98-7	Molybdenum	1.700	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901650	101-9-011498	Liver	Primary	7440-66-6	Zinc	26	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901650	101-9-011498	Liver	Primary	7440-43-9	Cadmium	0.350	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901650	101-9-011498	Liver	Primary	7439-92-1	Lead	-0.189	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901650	101-9-011498	Liver	Primary	7439-96-5	Manganese	4.20	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901650	101-9-011498	Liver	Primary	7439-89-6	Iron	130	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA

ATTACHMENT A
MWH EDD 1999-2000 ECOTISSUE DATA
TRACE METALS BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV99-01	E9901650	101-9-011498	Liver	Primary	7440-50-8	Copper	41.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901651	101-9-011744	Liver	Primary	7439-98-7	Molybdenum	2.000	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901651	101-9-011744	Liver	Primary	7440-66-6	Zinc	32	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901651	101-9-011744	Liver	Primary	7440-43-9	Cadmium	0.400	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901651	101-9-011744	Liver	Primary	7439-92-1	Lead	0.32	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901651	101-9-011744	Liver	Primary	7439-96-5	Manganese	4.10	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901651	101-9-011744	Liver	Primary	7439-89-6	Iron	74	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901651	101-9-011744	Liver	Primary	7440-50-8	Copper	31.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901653	101-9-015568	Liver	Primary	7439-98-7	Molybdenum	1.500	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901653	101-9-015568	Liver	Primary	7440-66-6	Zinc	32	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901653	101-9-015568	Liver	Primary	7440-43-9	Cadmium	0.710	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901653	101-9-015568	Liver	Primary	7439-92-1	Lead	0.47	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901653	101-9-015568	Liver	Primary	7439-96-5	Manganese	2.70	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901653	101-9-015568	Liver	Primary	7439-89-6	Iron	210	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901653	101-9-015568	Liver	Primary	7440-50-8	Copper	12.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901654	101-9-016571	Liver	Primary	7439-98-7	Molybdenum	1.300	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901654	101-9-016571	Liver	Primary	7440-66-6	Zinc	27	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901654	101-9-016571	Liver	Primary	7440-43-9	Cadmium	0.530	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901654	101-9-016571	Liver	Primary	7439-92-1	Lead	-0.0151	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901654	101-9-016571	Liver	Primary	7439-96-5	Manganese	3.40	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901654	101-9-016571	Liver	Primary	7439-89-6	Iron	150	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901654	101-9-016571	Liver	Primary	7440-50-8	Copper	48.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901655	101-9-019555	Liver	Primary	7439-98-7	Molybdenum	1.600	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901655	101-9-019555	Liver	Primary	7440-66-6	Zinc	29.000	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901655	101-9-019555	Liver	Primary	7440-43-9	Cadmium	0.440	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901655	101-9-019555	Liver	Primary	7439-92-1	Lead	-0.320	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901655	101-9-019555	Liver	Primary	7439-96-5	Manganese	2.80	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901655	101-9-019555	Liver	Primary	7439-89-6	Iron	310.0	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901655	101-9-019555	Liver	Primary	7440-50-8	Copper	53.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901659	101-9-022067	Liver	Primary	7439-98-7	Molybdenum	1.600	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901659	101-9-022067	Liver	Primary	7440-66-6	Zinc	24	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901659	101-9-022067	Liver	Primary	7440-43-9	Cadmium	0.220	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901659	101-9-022067	Liver	Primary	7439-92-1	Lead	0.206	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901659	101-9-022067	Liver	Primary	7439-96-5	Manganese	3.20	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901659	101-9-022067	Liver	Primary	7439-89-6	Iron	120	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901659	101-9-022067	Liver	Primary	7440-50-8	Copper	73.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901659D	101-9-022067	Liver	Lab Duplicate	7439-98-7	Molybdenum	1.600	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901659D	101-9-022067	Liver	Lab Duplicate	7440-66-6	Zinc	26	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901659D	101-9-022067	Liver	Lab Duplicate	7440-43-9	Cadmium	0.290	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901659D	101-9-022067	Liver	Lab Duplicate	7439-92-1	Lead	-0.0853	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901659D	101-9-022067	Liver	Lab Duplicate	7439-96-5	Manganese	3.30	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901659D	101-9-022067	Liver	Lab Duplicate	7439-89-6	Iron	120	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901659D	101-9-022067	Liver	Lab Duplicate	7440-50-8	Copper	79.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901660	101-9-024783	Liver	Triplicate	7439-98-7	Molybdenum	1.500	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901660	101-9-024783	Liver	Triplicate	7440-66-6	Zinc	32	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901660	101-9-024783	Liver	Triplicate	7440-43-9	Cadmium	0.540	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901660	101-9-024783	Liver	Triplicate	7439-92-1	Lead	-0.258	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901660	101-9-024783	Liver	Triplicate	7439-96-5	Manganese	2.00	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901660	101-9-024783	Liver	Triplicate	7439-89-6	Iron	160	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901660	101-9-024783	Liver	Triplicate	7440-50-8	Copper	15.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901660-2	101-9-024783	Liver	Triplicate	7439-98-7	Molybdenum	1.900	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901660-2	101-9-024783	Liver	Triplicate	7440-66-6	Zinc	38	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV99-01	E9901660-2	101-9-024783	Liver	Triplicate	7440-43-9	Cadmium	0.650	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901660-2	101-9-024783	Liver	Triplicate	7439-92-1	Lead	0.24	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901660-2	101-9-024783	Liver	Triplicate	7439-96-5	Manganese	2.70	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901660-2	101-9-024783	Liver	Triplicate	7439-89-6	Iron	200	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901660-2	101-9-024783	Liver	Triplicate	7440-50-8	Copper	17.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901660-3	101-9-024783	Liver	Triplicate	7439-98-7	Molybdenum	1.800	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901660-3	101-9-024783	Liver	Triplicate	7440-66-6	Zinc	33	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901660-3	101-9-024783	Liver	Triplicate	7440-43-9	Cadmium	0.480	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901660-3	101-9-024783	Liver	Triplicate	7439-92-1	Lead	0.66	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901660-3	101-9-024783	Liver	Triplicate	7439-96-5	Manganese	2.30	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901660-3	101-9-024783	Liver	Triplicate	7439-89-6	Iron	220	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901660-3	101-9-024783	Liver	Triplicate	7440-50-8	Copper	20.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901660MS	101-9-024783-MS	Liver	MS	7440-43-9	Cadmium	66			%	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901660B	Laboratory Blank	Lab QC	BLANK	7439-98-7	Molybdenum	0.014	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901660B	Laboratory Blank	Lab QC	BLANK	7440-66-6	Zinc	0.0055	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901660B	Laboratory Blank	Lab QC	BLANK	7440-43-9	Cadmium	0.0031	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901660B	Laboratory Blank	Lab QC	BLANK	7439-92-1	Lead	0.00237	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901660B	Laboratory Blank	Lab QC	BLANK	7439-96-5	Manganese	0.00184	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901660B	Laboratory Blank	Lab QC	BLANK	7439-89-6	Iron	0.0241	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901660B	Laboratory Blank	Lab QC	BLANK	7440-50-8	Copper	0.0011	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901660BS	Lab. Blank Spike	Lab QC	BS	7440-43-9	Cadmium	106			%	Wet Wt	1			11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901660CS	Check Standard	Lab QC	CS	7439-98-7	Molybdenum	1.000	0.09	EDL	ug/g	Wet Wt	1	1	100	11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901660CS	Check Standard	Lab QC	CS	7440-66-6	Zinc	5.1	0.01	EDL	ug/g	Wet Wt	1	5	102	11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901660CS	Check Standard	Lab QC	CS	7440-43-9	Cadmium	1.000	0.02	EDL	ug/g	Wet Wt	1	1	100	11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901660CS	Check Standard	Lab QC	CS	7439-92-1	Lead	5.30	0.23	EDL	ug/g	Wet Wt	1	5	106	11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901660CS	Check Standard	Lab QC	CS	7439-96-5	Manganese	5.00	0.01	EDL	ug/g	Wet Wt	1	5	100	11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901660CS	Check Standard	Lab QC	CS	7439-89-6	Iron	5.3	0.04	EDL	ug/g	Wet Wt	1	5	106	11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901660CS	Check Standard	Lab QC	CS	7440-50-8	Copper	5.4	0.03	EDL	ug/g	Wet Wt	1	5	108	11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901660SR	House Ref. Liver	Tissue	HRL	7439-98-7	Molybdenum	2.800	0.09	EDL	ug/g	Wet Wt	1	3.17	88	11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901660SR	House Ref. Liver	Tissue	HRL	7440-66-6	Zinc	130	0.01	EDL	ug/g	Wet Wt	1	120	108	11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901660SR	House Ref. Liver	Tissue	HRL	7440-43-9	Cadmium	60.000	0.02	EDL	ug/g	Wet Wt	1	54.3	110	11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901660SR	House Ref. Liver	Tissue	HRL	7439-92-1	Lead	53.00	0.23	EDL	ug/g	Wet Wt	1	48	110	11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901660SR	House Ref. Liver	Tissue	HRL	7439-96-5	Manganese	12.00	0.01	EDL	ug/g	Wet Wt	1	10.1	119	11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901660SR	House Ref. Liver	Tissue	HRL	7439-89-6	Iron	200	0.04	EDL	ug/g	Wet Wt	1	183	109	11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-01	E9901660SR	House Ref. Liver	Tissue	HRL	7440-50-8	Copper	140.0	0.03	EDL	ug/g	Wet Wt	1	123	114	11/2/1999	ICP - AES	HMICP_12-28-99	0103HMS	12/28/1999	2/24/2000*	NA
ENV99-03	E9901994B	Laboratory Blank	Lab QC	BLANK	7439-98-7	Molybdenum	-0.0128	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1114
ENV99-03	E9901994B	Laboratory Blank	Lab QC	BLANK	7440-66-6	Zinc	-0.0123	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1114
ENV99-03	E9901994B	Laboratory Blank	Lab QC	BLANK	7440-43-9	Cadmium	0.0014	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1114
ENV99-03	E9901994B	Laboratory Blank	Lab QC	BLANK	7439-92-1	Lead	-0.0521	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1114
ENV99-03	E9901994B	Laboratory Blank	Lab QC	BLANK	7439-96-5	Manganese	-0.0007	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1114
ENV99-03	E9901994B	Laboratory Blank	Lab QC	BLANK	7439-89-6	Iron	-0.0270	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1114
ENV99-03	E9901994B	Laboratory Blank	Lab QC	BLANK	7440-50-8	Copper	0.0305	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1114
ENV99-03	E9901994BS	Lab. Blank Spike	Lab QC	BS	7440-43-9	Cadmium	107			%	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1117
ENV99-03	E9901994CS	Check Standard	Lab QC	CS	7439-98-7	Molybdenum	0.990	0.09	EDL	ug/g	Wet Wt	1	1	99	11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1121
ENV99-03	E9901994CS	Check Standard	Lab QC	CS	7440-66-6	Zinc	5.1	0.01	EDL	ug/g	Wet Wt	1	5	102	11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1121
ENV99-03	E9901994CS	Check Standard	Lab QC	CS	7440-43-9	Cadmium	1.000	0.02	EDL	ug/g	Wet Wt	1	1	100	11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1121
ENV99-03	E9901994CS	Check Standard	Lab QC	CS	7439-92-1	Lead	5.40	0.23	EDL	ug/g	Wet Wt	1	5	108	11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1121
ENV99-03	E9901994CS	Check Standard	Lab QC	CS	7439-96-5	Manganese	5.10	0.01	EDL	ug/g	Wet Wt	1	5	102	11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1121
ENV99-03	E9901994CS	Check Standard	Lab QC	CS	7439-89-6	Iron	5.1	0.04	EDL	ug/g	Wet Wt	1	5	102	11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1121
ENV99-03	E9901994CS	Check Standard	Lab QC	CS	7440-50-8	Copper	5.0	0.03	EDL	ug/g	Wet Wt	1	5	100	11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1121
ENV99-03	E9901994SR	House Ref. Liver	Tissue	HRL	7439-98-7	Molybdenum	3.300	0.09	EDL	ug/g	Wet Wt	1	3.17	104	11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1124
ENV99-03	E9901994SR	House Ref. Liver	Tissue	HRL	7440-66-6	Zinc	130	0.01	EDL	ug/g	Wet Wt	1	120	108	11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1124

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
TRACE METALS BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV99-03	E9901994SR	House Ref. Liver	Tissue	HRL	7440-43-9	Cadmium	59.000	0.02	EDL	ug/g	Wet Wt	1	54.3	109	11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1124
ENV99-03	E9901994SR	House Ref. Liver	Tissue	HRL	7439-92-1	Lead	50.00	0.23	EDL	ug/g	Wet Wt	1	48	104	11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1124
ENV99-03	E9901994SR	House Ref. Liver	Tissue	HRL	7439-96-5	Manganese	12.00	0.01	EDL	ug/g	Wet Wt	1	10.1	119	11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1124
ENV99-03	E9901994SR	House Ref. Liver	Tissue	HRL	7439-89-6	Iron	190	0.04	EDL	ug/g	Wet Wt	1	183	104	11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1124
ENV99-03	E9901994SR	House Ref. Liver	Tissue	HRL	7440-50-8	Copper	140.0	0.03	EDL	ug/g	Wet Wt	1	123	114	11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1124
ENV99-03	E9901994	102-9-007374	Muscle	Primary	7439-98-7	Molybdenum	-0.0063	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1127
ENV99-03	E9901994	102-9-007374	Muscle	Primary	7440-66-6	Zinc	74	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1127
ENV99-03	E9901994	102-9-007374	Muscle	Primary	7440-43-9	Cadmium	0.096	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1127
ENV99-03	E9901994	102-9-007374	Muscle	Primary	7439-92-1	Lead	0.0278	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1127
ENV99-03	E9901994	102-9-007374	Muscle	Primary	7439-96-5	Manganese	0.26	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1127
ENV99-03	E9901994	102-9-007374	Muscle	Primary	7439-89-6	Iron	48	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1127
ENV99-03	E9901994	102-9-007374	Muscle	Primary	7440-50-8	Copper	2.4	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1127
ENV99-03	E9901996	102-9-009310	Muscle	Primary	7439-98-7	Molybdenum	-0.252	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1131
ENV99-03	E9901996	102-9-009310	Muscle	Primary	7440-66-6	Zinc	21	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1131
ENV99-03	E9901996	102-9-009310	Muscle	Primary	7440-43-9	Cadmium	0.067	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1131
ENV99-03	E9901996	102-9-009310	Muscle	Primary	7439-92-1	Lead	-0.572	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1131
ENV99-03	E9901996	102-9-009310	Muscle	Primary	7439-96-5	Manganese	0.23	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1131
ENV99-03	E9901996	102-9-009310	Muscle	Primary	7439-89-6	Iron	31	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1131
ENV99-03	E9901996	102-9-009310	Muscle	Primary	7440-50-8	Copper	3.1	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1131
ENV99-03	E9902001	104-9-004294	Muscle	Primary	7439-98-7	Molybdenum	0.092	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1134
ENV99-03	E9902001	104-9-004294	Muscle	Primary	7440-66-6	Zinc	77	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1134
ENV99-03	E9902001	104-9-004294	Muscle	Primary	7440-43-9	Cadmium	0.120	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1134
ENV99-03	E9902001	104-9-004294	Muscle	Primary	7439-92-1	Lead	0.61	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1134
ENV99-03	E9902001	104-9-004294	Muscle	Primary	7439-96-5	Manganese	1.10	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1134
ENV99-03	E9902001	104-9-004294	Muscle	Primary	7439-89-6	Iron	82	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1134
ENV99-03	E9902001	104-9-004294	Muscle	Primary	7440-50-8	Copper	1.7	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1134
ENV99-03	E9902002	104-9-006297	Muscle	Primary	7439-98-7	Molybdenum	0.110	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1138
ENV99-03	E9902002	104-9-006297	Muscle	Primary	7440-66-6	Zinc	75	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1138
ENV99-03	E9902002	104-9-006297	Muscle	Primary	7440-43-9	Cadmium	0.120	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1138
ENV99-03	E9902002	104-9-006297	Muscle	Primary	7439-92-1	Lead	-0.0351	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1138
ENV99-03	E9902002	104-9-006297	Muscle	Primary	7439-96-5	Manganese	0.52	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1138
ENV99-03	E9902002	104-9-006297	Muscle	Primary	7439-89-6	Iron	37	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1138
ENV99-03	E9902002	104-9-006297	Muscle	Primary	7440-50-8	Copper	2.5	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1138
ENV99-03	E9902003	104-9-014257	Muscle	Primary	7439-98-7	Molybdenum	0.150	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1141
ENV99-03	E9902003	104-9-014257	Muscle	Primary	7440-66-6	Zinc	73	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1141
ENV99-03	E9902003	104-9-014257	Muscle	Primary	7440-43-9	Cadmium	0.130	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1141
ENV99-03	E9902003	104-9-014257	Muscle	Primary	7439-92-1	Lead	-0.594	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1141
ENV99-03	E9902003	104-9-014257	Muscle	Primary	7439-96-5	Manganese	0.73	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1141
ENV99-03	E9902003	104-9-014257	Muscle	Primary	7439-89-6	Iron	80	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1141
ENV99-03	E9902003	104-9-014257	Muscle	Primary	7440-50-8	Copper	3.5	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1141
ENV99-03	E9902005	106-9-000834	Muscle	Primary	7439-98-7	Molybdenum	0.190	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1144
ENV99-03	E9902005	106-9-000834	Muscle	Primary	7440-66-6	Zinc	68	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1144
ENV99-03	E9902005	106-9-000834	Muscle	Primary	7440-43-9	Cadmium	0.120	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1144
ENV99-03	E9902005	106-9-000834	Muscle	Primary	7439-92-1	Lead	0.0247	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1144
ENV99-03	E9902005	106-9-000834	Muscle	Primary	7439-96-5	Manganese	0.94	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1144
ENV99-03	E9902005	106-9-000834	Muscle	Primary	7439-89-6	Iron	55	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1144
ENV99-03	E9902005	106-9-000834	Muscle	Primary	7440-50-8	Copper	1.7	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1144
ENV99-03	E9902006	108-9-005350	Muscle	Primary	7439-98-7	Molybdenum	0.170	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1148
ENV99-03	E9902006	108-9-005350	Muscle	Primary	7440-66-6	Zinc	75	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1148
ENV99-03	E9902006	108-9-005350	Muscle	Primary	7440-43-9	Cadmium	0.120	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1148
ENV99-03	E9902006	108-9-005350	Muscle	Primary	7439-92-1	Lead	0.224	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1148
ENV99-03	E9902006	108-9-005350	Muscle	Primary	7439-96-5	Manganese	0.16	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1148

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
TRACE METALS BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV99-03	E9902006	108-9-005350	Muscle	Primary	7439-89-6	Iron	37	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1148
ENV99-03	E9902006	108-9-005350	Muscle	Primary	7440-50-8	Copper	3.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1148
ENV99-03	E9902007	202-9-003457	Muscle	Primary	7439-98-7	Molybdenum	-0.128	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1151
ENV99-03	E9902007	202-9-003457	Muscle	Primary	7440-66-6	Zinc	92	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1151
ENV99-03	E9902007	202-9-003457	Muscle	Primary	7440-43-9	Cadmium	0.140	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1151
ENV99-03	E9902007	202-9-003457	Muscle	Primary	7439-92-1	Lead	0.1166	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1151
ENV99-03	E9902007	202-9-003457	Muscle	Primary	7439-96-5	Manganese	1.50	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1151
ENV99-03	E9902007	202-9-003457	Muscle	Primary	7439-89-6	Iron	55	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1151
ENV99-03	E9902007	202-9-003457	Muscle	Primary	7440-50-8	Copper	1.6	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1151
ENV99-03	E9902008	104-9-006924	Muscle	Primary	7439-98-7	Molybdenum	-0.112	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1154
ENV99-03	E9902008	104-9-006924	Muscle	Primary	7440-66-6	Zinc	44	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1154
ENV99-03	E9902008	104-9-006924	Muscle	Primary	7440-43-9	Cadmium	0.100	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1154
ENV99-03	E9902008	104-9-006924	Muscle	Primary	7439-92-1	Lead	-0.314	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1154
ENV99-03	E9902008	104-9-006924	Muscle	Primary	7439-96-5	Manganese	0.10	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1154
ENV99-03	E9902008	104-9-006924	Muscle	Primary	7439-89-6	Iron	38	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1154
ENV99-03	E9902008	104-9-006924	Muscle	Primary	7440-50-8	Copper	1.8	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1154
ENV99-03	E9902009	108-9-005208	Muscle	Primary	7439-98-7	Molybdenum	0.0640	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1158
ENV99-03	E9902009	108-9-005208	Muscle	Primary	7440-66-6	Zinc	30	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1158
ENV99-03	E9902009	108-9-005208	Muscle	Primary	7440-43-9	Cadmium	0.140	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1158
ENV99-03	E9902009	108-9-005208	Muscle	Primary	7439-92-1	Lead	0.165	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1158
ENV99-03	E9902009	108-9-005208	Muscle	Primary	7439-96-5	Manganese	3.30	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1158
ENV99-03	E9902009	108-9-005208	Muscle	Primary	7439-89-6	Iron	87	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1158
ENV99-03	E9902009	108-9-005208	Muscle	Primary	7440-50-8	Copper	2.6	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1158
ENV99-03	E9902009D	108-9-005208	Muscle	Lab Duplicate	7439-98-7	Molybdenum	0.470	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1201
ENV99-03	E9902009D	108-9-005208	Muscle	Lab Duplicate	7440-66-6	Zinc	28	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1201
ENV99-03	E9902009D	108-9-005208	Muscle	Lab Duplicate	7440-43-9	Cadmium	0.060	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1201
ENV99-03	E9902009D	108-9-005208	Muscle	Lab Duplicate	7439-92-1	Lead	-0.223	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1201
ENV99-03	E9902009D	108-9-005208	Muscle	Lab Duplicate	7439-96-5	Manganese	1.10	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1201
ENV99-03	E9902009D	108-9-005208	Muscle	Lab Duplicate	7439-89-6	Iron	47	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1201
ENV99-03	E9902009D	108-9-005208	Muscle	Lab Duplicate	7440-50-8	Copper	2.3	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1201
ENV99-03	E9902009B	Laboratory Blank	Lab QC	BLANK	7439-98-7	Molybdenum	-0.0030	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1205
ENV99-03	E9902009B	Laboratory Blank	Lab QC	BLANK	7440-66-6	Zinc	-0.0121	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1205
ENV99-03	E9902009B	Laboratory Blank	Lab QC	BLANK	7440-43-9	Cadmium	0.0001	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1205
ENV99-03	E9902009B	Laboratory Blank	Lab QC	BLANK	7439-92-1	Lead	-0.0011	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1205
ENV99-03	E9902009B	Laboratory Blank	Lab QC	BLANK	7439-96-5	Manganese	-0.0002	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1205
ENV99-03	E9902009B	Laboratory Blank	Lab QC	BLANK	7439-89-6	Iron	-0.0375	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1205
ENV99-03	E9902009B	Laboratory Blank	Lab QC	BLANK	7440-50-8	Copper	0.0283	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1205
ENV99-03	E9902009BS	Lab. Blank Spike	Lab QC	BS	7440-43-9	Cadmium	102			%	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1208
ENV99-03	E9902009CS	Check Standard	Lab QC	CS	7439-98-7	Molybdenum	1.000	0.09	EDL	ug/g	Wet Wt	1	1	100	11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1211
ENV99-03	E9902009CS	Check Standard	Lab QC	CS	7440-66-6	Zinc	5.2	0.01	EDL	ug/g	Wet Wt	1	5	104	11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1211
ENV99-03	E9902009CS	Check Standard	Lab QC	CS	7440-43-9	Cadmium	1.000	0.02	EDL	ug/g	Wet Wt	1	1	100	11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1211
ENV99-03	E9902009CS	Check Standard	Lab QC	CS	7439-92-1	Lead	5.50	0.23	EDL	ug/g	Wet Wt	1	5	110	11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1211
ENV99-03	E9902009CS	Check Standard	Lab QC	CS	7439-96-5	Manganese	5.20	0.01	EDL	ug/g	Wet Wt	1	5	104	11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1211
ENV99-03	E9902009CS	Check Standard	Lab QC	CS	7439-89-6	Iron	5.1	0.04	EDL	ug/g	Wet Wt	1	5	102	11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1211
ENV99-03	E9902009CS	Check Standard	Lab QC	CS	7440-50-8	Copper	5.1	0.03	EDL	ug/g	Wet Wt	1	5	102	11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1211
ENV99-03	E9902009SR	House Ref. Liver	Tissue	HRL	7439-98-7	Molybdenum	3.700	0.09	EDL	ug/g	Wet Wt	1	3.17	117	11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1213
ENV99-03	E9902009SR	House Ref. Liver	Tissue	HRL	7440-66-6	Zinc	140	0.01	EDL	ug/g	Wet Wt	1	120	117	11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1213
ENV99-03	E9902009SR	House Ref. Liver	Tissue	HRL	7440-43-9	Cadmium	61.000	0.02	EDL	ug/g	Wet Wt	1	54.3	112	11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1213
ENV99-03	E9902009SR	House Ref. Liver	Tissue	HRL	7439-92-1	Lead	55.00	0.23	EDL	ug/g	Wet Wt	1	48	115	11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1213
ENV99-03	E9902009SR	House Ref. Liver	Tissue	HRL	7439-96-5	Manganese	12.00	0.01	EDL	ug/g	Wet Wt	1	10.1	119	11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1213
ENV99-03	E9902009SR	House Ref. Liver	Tissue	HRL	7439-89-6	Iron	190	0.04	EDL	ug/g	Wet Wt	1	183	104	11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1213
ENV99-03	E9902009SR	House Ref. Liver	Tissue	HRL	7440-50-8	Copper	130.0	0.03	EDL	ug/g	Wet Wt	1	123	106	11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1213

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
TRACE METALS BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV99-03	E9901906	101-9-020534	Liver	Primary	7439-98-7	Molybdenum	1.200	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1218
ENV99-03	E9901906	101-9-020534	Liver	Primary	7440-66-6	Zinc	21	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1218
ENV99-03	E9901906	101-9-020534	Liver	Primary	7440-43-9	Cadmium	0.360	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1218
ENV99-03	E9901906	101-9-020534	Liver	Primary	7439-92-1	Lead	0.44	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1218
ENV99-03	E9901906	101-9-020534	Liver	Primary	7439-96-5	Manganese	1.80	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1218
ENV99-03	E9901906	101-9-020534	Liver	Primary	7439-89-6	Iron	170	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1218
ENV99-03	E9901906	101-9-020534	Liver	Primary	7440-50-8	Copper	52.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1218
ENV99-03	E9901907	101-9-021815	Liver	Primary	7439-98-7	Molybdenum	1.600	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1221
ENV99-03	E9901907	101-9-021815	Liver	Primary	7440-66-6	Zinc	28	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1221
ENV99-03	E9901907	101-9-021815	Liver	Primary	7440-43-9	Cadmium	0.260	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1221
ENV99-03	E9901907	101-9-021815	Liver	Primary	7439-92-1	Lead	0.26	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1221
ENV99-03	E9901907	101-9-021815	Liver	Primary	7439-96-5	Manganese	3.20	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1221
ENV99-03	E9901907	101-9-021815	Liver	Primary	7439-89-6	Iron	130	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1221
ENV99-03	E9901907	101-9-021815	Liver	Primary	7440-50-8	Copper	72.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1221
ENV99-03	E9901908	101-9-023207	Liver	Primary	7439-98-7	Molybdenum	1.500	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1225
ENV99-03	E9901908	101-9-023207	Liver	Primary	7440-66-6	Zinc	24	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1225
ENV99-03	E9901908	101-9-023207	Liver	Primary	7440-43-9	Cadmium	0.460	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1225
ENV99-03	E9901908	101-9-023207	Liver	Primary	7439-92-1	Lead	0.50	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1225
ENV99-03	E9901908	101-9-023207	Liver	Primary	7439-96-5	Manganese	3.70	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1225
ENV99-03	E9901908	101-9-023207	Liver	Primary	7439-89-6	Iron	120	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1225
ENV99-03	E9901908	101-9-023207	Liver	Primary	7440-50-8	Copper	25.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1225
ENV99-03	E9901909	101-9-025256	Liver	Triplicate	7439-98-7	Molybdenum	1.100	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1228
ENV99-03	E9901909	101-9-025256	Liver	Triplicate	7440-66-6	Zinc	24	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1228
ENV99-03	E9901909	101-9-025256	Liver	Triplicate	7440-43-9	Cadmium	0.560	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1228
ENV99-03	E9901909	101-9-025256	Liver	Triplicate	7439-92-1	Lead	-0.208	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1228
ENV99-03	E9901909	101-9-025256	Liver	Triplicate	7439-96-5	Manganese	2.70	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1228
ENV99-03	E9901909	101-9-025256	Liver	Triplicate	7439-89-6	Iron	280	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1228
ENV99-03	E9901909	101-9-025256	Liver	Triplicate	7440-50-8	Copper	70.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1228
ENV99-03	E9901909-2	101-9-025256	Liver	Triplicate	7439-98-7	Molybdenum	0.930	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1232
ENV99-03	E9901909-2	101-9-025256	Liver	Triplicate	7440-66-6	Zinc	22	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1232
ENV99-03	E9901909-2	101-9-025256	Liver	Triplicate	7440-43-9	Cadmium	0.520	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1232
ENV99-03	E9901909-2	101-9-025256	Liver	Triplicate	7439-92-1	Lead	-0.211	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1232
ENV99-03	E9901909-2	101-9-025256	Liver	Triplicate	7439-96-5	Manganese	2.50	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1232
ENV99-03	E9901909-2	101-9-025256	Liver	Triplicate	7439-89-6	Iron	280	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1232
ENV99-03	E9901909-2	101-9-025256	Liver	Triplicate	7440-50-8	Copper	63.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1232
ENV99-03	E9901909-3	101-9-025256	Liver	Triplicate	7439-98-7	Molybdenum	0.900	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1235
ENV99-03	E9901909-3	101-9-025256	Liver	Triplicate	7440-66-6	Zinc	22	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1235
ENV99-03	E9901909-3	101-9-025256	Liver	Triplicate	7440-43-9	Cadmium	0.580	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1235
ENV99-03	E9901909-3	101-9-025256	Liver	Triplicate	7439-92-1	Lead	0.27	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1235
ENV99-03	E9901909-3	101-9-025256	Liver	Triplicate	7439-96-5	Manganese	2.50	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1235
ENV99-03	E9901909-3	101-9-025256	Liver	Triplicate	7439-89-6	Iron	260	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1235
ENV99-03	E9901909-3	101-9-025256	Liver	Triplicate	7440-50-8	Copper	68.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1235
ENV99-03	E9901909MS	101-9-025256-MS	Liver	MS	7440-43-9	Cadmium	126			%	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1238
ENV99-03	E9901911	101-9-026427	Liver	Primary	7439-98-7	Molybdenum	1.200	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1242
ENV99-03	E9901911	101-9-026427	Liver	Primary	7440-66-6	Zinc	32	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1242
ENV99-03	E9901911	101-9-026427	Liver	Primary	7440-43-9	Cadmium	0.240	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1242
ENV99-03	E9901911	101-9-026427	Liver	Primary	7439-92-1	Lead	-0.0181	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1242
ENV99-03	E9901911	101-9-026427	Liver	Primary	7439-96-5	Manganese	3.20	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1242
ENV99-03	E9901911	101-9-026427	Liver	Primary	7439-89-6	Iron	680	0.04	EDL	ug/g	Wet Wt	4			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1242
ENV99-03	E9901911	101-9-026427	Liver	Primary	7440-50-8	Copper	37.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1242
ENV99-03	E9901911D	101-9-026427	Liver	Lab Duplicate	7439-98-7	Molybdenum	1.400	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1245
ENV99-03	E9901911D	101-9-026427	Liver	Lab Duplicate	7440-66-6	Zinc	32	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1245

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
TRACE METALS BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV99-03	E9901911D	101-9-026427	Liver	Lab Duplicate	7440-43-9	Cadmium	0.240	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1245
ENV99-03	E9901911D	101-9-026427	Liver	Lab Duplicate	7439-92-1	Lead	-0.584	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1245
ENV99-03	E9901911D	101-9-026427	Liver	Lab Duplicate	7439-96-5	Manganese	3.10	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1245
ENV99-03	E9901911D	101-9-026427	Liver	Lab Duplicate	7439-89-6	Iron	700	0.04	EDL	ug/g	Wet Wt	4			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1245
ENV99-03	E9901911D	101-9-026427	Liver	Lab Duplicate	7440-50-8	Copper	32.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1245
ENV99-03	E9901912	101-9-035622	Liver	Primary	7439-98-7	Molybdenum	1.600	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1248
ENV99-03	E9901912	101-9-035622	Liver	Primary	7440-66-6	Zinc	28	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1248
ENV99-03	E9901912	101-9-035622	Liver	Primary	7440-43-9	Cadmium	0.410	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1248
ENV99-03	E9901912	101-9-035622	Liver	Primary	7439-92-1	Lead	-0.221	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1248
ENV99-03	E9901912	101-9-035622	Liver	Primary	7439-96-5	Manganese	3.20	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1248
ENV99-03	E9901912	101-9-035622	Liver	Primary	7439-89-6	Iron	130	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1248
ENV99-03	E9901912	101-9-035622	Liver	Primary	7440-50-8	Copper	40.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1248
ENV99-03	E9901913	101-9-040872	Liver	Primary	7439-98-7	Molybdenum	1.400	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1252
ENV99-03	E9901913	101-9-040872	Liver	Primary	7440-66-6	Zinc	22	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1252
ENV99-03	E9901913	101-9-040872	Liver	Primary	7440-43-9	Cadmium	0.620	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1252
ENV99-03	E9901913	101-9-040872	Liver	Primary	7439-92-1	Lead	0.132	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1252
ENV99-03	E9901913	101-9-040872	Liver	Primary	7439-96-5	Manganese	2.10	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1252
ENV99-03	E9901913	101-9-040872	Liver	Primary	7439-89-6	Iron	200	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1252
ENV99-03	E9901913	101-9-040872	Liver	Primary	7440-50-8	Copper	19.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1252
ENV99-03	E9901915	101-9-041629	Liver	Primary	7439-98-7	Molybdenum	1.500	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1255
ENV99-03	E9901915	101-9-041629	Liver	Primary	7440-66-6	Zinc	35	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1255
ENV99-03	E9901915	101-9-041629	Liver	Primary	7440-43-9	Cadmium	0.170	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1255
ENV99-03	E9901915	101-9-041629	Liver	Primary	7439-92-1	Lead	0.0109	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1255
ENV99-03	E9901915	101-9-041629	Liver	Primary	7439-96-5	Manganese	3.20	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1255
ENV99-03	E9901915	101-9-041629	Liver	Primary	7439-89-6	Iron	170	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1255
ENV99-03	E9901915	101-9-041629	Liver	Primary	7440-50-8	Copper	28.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1255
ENV99-03	E9901916	101-9-045262	Liver	Primary	7439-98-7	Molybdenum	1.500	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1258
ENV99-03	E9901916	101-9-045262	Liver	Primary	7440-66-6	Zinc	25	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1258
ENV99-03	E9901916	101-9-045262	Liver	Primary	7440-43-9	Cadmium	0.530	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1258
ENV99-03	E9901916	101-9-045262	Liver	Primary	7439-92-1	Lead	-0.171	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1258
ENV99-03	E9901916	101-9-045262	Liver	Primary	7439-96-5	Manganese	3.50	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1258
ENV99-03	E9901916	101-9-045262	Liver	Primary	7439-89-6	Iron	240	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1258
ENV99-03	E9901916	101-9-045262	Liver	Primary	7440-50-8	Copper	32.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1258
ENV99-03	E9901917	101-9-055718	Liver	Primary	7439-98-7	Molybdenum	1.400	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1302
ENV99-03	E9901917	101-9-055718	Liver	Primary	7440-66-6	Zinc	26	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1302
ENV99-03	E9901917	101-9-055718	Liver	Primary	7440-43-9	Cadmium	0.270	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1302
ENV99-03	E9901917	101-9-055718	Liver	Primary	7439-92-1	Lead	-0.0665	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1302
ENV99-03	E9901917	101-9-055718	Liver	Primary	7439-96-5	Manganese	3.90	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1302
ENV99-03	E9901917	101-9-055718	Liver	Primary	7439-89-6	Iron	130	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1302
ENV99-03	E9901917	101-9-055718	Liver	Primary	7440-50-8	Copper	36.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1302
ENV99-03	E9901917B	Laboratory Blank	Lab QC	BLANK	7439-98-7	Molybdenum	0.001	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1305
ENV99-03	E9901917B	Laboratory Blank	Lab QC	BLANK	7440-66-6	Zinc	-0.0114	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1305
ENV99-03	E9901917B	Laboratory Blank	Lab QC	BLANK	7440-43-9	Cadmium	0.0041	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1305
ENV99-03	E9901917B	Laboratory Blank	Lab QC	BLANK	7439-92-1	Lead	-0.010	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1305
ENV99-03	E9901917B	Laboratory Blank	Lab QC	BLANK	7439-96-5	Manganese	0.0005	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1305
ENV99-03	E9901917B	Laboratory Blank	Lab QC	BLANK	7439-89-6	Iron	-0.0150	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1305
ENV99-03	E9901917B	Laboratory Blank	Lab QC	BLANK	7440-50-8	Copper	0.0326	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1305
ENV99-03	E9901917BS	Lab. Blank Spike	Lab QC	BS	7440-43-9	Cadmium	92			%	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1308
ENV99-03	E9901917CS	Check Standard	Lab QC	CS	7439-98-7	Molybdenum	1.000	0.09	EDL	ug/g	Wet Wt	1	1	100	11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1312
ENV99-03	E9901917CS	Check Standard	Lab QC	CS	7440-66-6	Zinc	5.2	0.01	EDL	ug/g	Wet Wt	1	5	104	11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1312
ENV99-03	E9901917CS	Check Standard	Lab QC	CS	7440-43-9	Cadmium	1.000	0.02	EDL	ug/g	Wet Wt	1	1	100	11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1312
ENV99-03	E9901917CS	Check Standard	Lab QC	CS	7439-92-1	Lead	5.60	0.23	EDL	ug/g	Wet Wt	1	5	112	11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1312

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
TRACE METALS BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV99-03	E9901917CS	Check Standard	Lab QC	CS	7439-96-5	Manganese	5.10	0.01	EDL	ug/g	Wet Wt	1	5	102	11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1312
ENV99-03	E9901917CS	Check Standard	Lab QC	CS	7439-89-6	Iron	5.3	0.04	EDL	ug/g	Wet Wt	1	5	106	11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1312
ENV99-03	E9901917CS	Check Standard	Lab QC	CS	7440-50-8	Copper	5.2	0.03	EDL	ug/g	Wet Wt	1	5	104	11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1312
ENV99-03	E9901917SR	House Ref. Liver	Tissue	HRL	7439-98-7	Molybdenum	3.100	0.09	EDL	ug/g	Wet Wt	1	3.17	98	11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1316
ENV99-03	E9901917SR	House Ref. Liver	Tissue	HRL	7440-66-6	Zinc	130	0.01	EDL	ug/g	Wet Wt	1	120	108	11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1316
ENV99-03	E9901917SR	House Ref. Liver	Tissue	HRL	7440-43-9	Cadmium	57.000	0.02	EDL	ug/g	Wet Wt	1	54.3	105	11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1316
ENV99-03	E9901917SR	House Ref. Liver	Tissue	HRL	7439-92-1	Lead	54.00	0.23	EDL	ug/g	Wet Wt	1	48	113	11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1316
ENV99-03	E9901917SR	House Ref. Liver	Tissue	HRL	7439-96-5	Manganese	11.00	0.01	EDL	ug/g	Wet Wt	1	10.1	109	11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1316
ENV99-03	E9901917SR	House Ref. Liver	Tissue	HRL	7439-89-6	Iron	190	0.04	EDL	ug/g	Wet Wt	1	183	104	11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1316
ENV99-03	E9901917SR	House Ref. Liver	Tissue	HRL	7440-50-8	Copper	130.0	0.03	EDL	ug/g	Wet Wt	1	123	106	11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1316
ENV99-03	E9901918	101-9-057289	Liver	Primary	7439-98-7	Molybdenum	1.600	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1320
ENV99-03	E9901918	101-9-057289	Liver	Primary	7440-66-6	Zinc	26	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1320
ENV99-03	E9901918	101-9-057289	Liver	Primary	7440-43-9	Cadmium	0.400	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1320
ENV99-03	E9901918	101-9-057289	Liver	Primary	7439-92-1	Lead	-0.613	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1320
ENV99-03	E9901918	101-9-057289	Liver	Primary	7439-96-5	Manganese	2.60	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1320
ENV99-03	E9901918	101-9-057289	Liver	Primary	7439-89-6	Iron	230	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1320
ENV99-03	E9901918	101-9-057289	Liver	Primary	7440-50-8	Copper	49.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1320
ENV99-03	E9901920	101-9-059906	Liver	Primary	7439-98-7	Molybdenum	1.600	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1323
ENV99-03	E9901920	101-9-059906	Liver	Primary	7440-66-6	Zinc	32	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1323
ENV99-03	E9901920	101-9-059906	Liver	Primary	7440-43-9	Cadmium	0.240	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1323
ENV99-03	E9901920	101-9-059906	Liver	Primary	7439-92-1	Lead	-0.490	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1323
ENV99-03	E9901920	101-9-059906	Liver	Primary	7439-96-5	Manganese	3.50	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1323
ENV99-03	E9901920	101-9-059906	Liver	Primary	7439-89-6	Iron	150	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1323
ENV99-03	E9901920	101-9-059906	Liver	Primary	7440-50-8	Copper	34.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1323
ENV99-03	E9901923	101-9-060482	Liver	Primary	7439-98-7	Molybdenum	1.100	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1326
ENV99-03	E9901923	101-9-060482	Liver	Primary	7440-66-6	Zinc	28	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1326
ENV99-03	E9901923	101-9-060482	Liver	Primary	7440-43-9	Cadmium	0.270	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1326
ENV99-03	E9901923	101-9-060482	Liver	Primary	7439-92-1	Lead	-0.0674	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1326
ENV99-03	E9901923	101-9-060482	Liver	Primary	7439-96-5	Manganese	2.90	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1326
ENV99-03	E9901923	101-9-060482	Liver	Primary	7439-89-6	Iron	140	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1326
ENV99-03	E9901923	101-9-060482	Liver	Primary	7440-50-8	Copper	41.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1326
ENV99-03	E9901924	101-9-062127	Liver	Primary	7439-98-7	Molybdenum	1.400	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1330
ENV99-03	E9901924	101-9-062127	Liver	Primary	7440-66-6	Zinc	28	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1330
ENV99-03	E9901924	101-9-062127	Liver	Primary	7440-43-9	Cadmium	0.260	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1330
ENV99-03	E9901924	101-9-062127	Liver	Primary	7439-92-1	Lead	0.36	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1330
ENV99-03	E9901924	101-9-062127	Liver	Primary	7439-96-5	Manganese	3.20	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1330
ENV99-03	E9901924	101-9-062127	Liver	Primary	7439-89-6	Iron	120	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1330
ENV99-03	E9901924	101-9-062127	Liver	Primary	7440-50-8	Copper	37.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1330
ENV99-03	E9901925	101-9-062802	Liver	Triplicate	7439-98-7	Molybdenum	1.200	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1333
ENV99-03	E9901925	101-9-062802	Liver	Triplicate	7440-66-6	Zinc	30	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1333
ENV99-03	E9901925	101-9-062802	Liver	Triplicate	7440-43-9	Cadmium	0.340	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1333
ENV99-03	E9901925	101-9-062802	Liver	Triplicate	7439-92-1	Lead	0.26	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1333
ENV99-03	E9901925	101-9-062802	Liver	Triplicate	7439-96-5	Manganese	3.70	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1333
ENV99-03	E9901925	101-9-062802	Liver	Triplicate	7439-89-6	Iron	110	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1333
ENV99-03	E9901925	101-9-062802	Liver	Triplicate	7440-50-8	Copper	6.3	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1333
ENV99-03	E9901925-2	101-9-062802	Liver	Triplicate	7439-98-7	Molybdenum	1.300	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1336
ENV99-03	E9901925-2	101-9-062802	Liver	Triplicate	7440-66-6	Zinc	26	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1336
ENV99-03	E9901925-2	101-9-062802	Liver	Triplicate	7440-43-9	Cadmium	0.340	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1336
ENV99-03	E9901925-2	101-9-062802	Liver	Triplicate	7439-92-1	Lead	0.0460	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1336
ENV99-03	E9901925-2	101-9-062802	Liver	Triplicate	7439-96-5	Manganese	3.10	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1336
ENV99-03	E9901925-2	101-9-062802	Liver	Triplicate	7439-89-6	Iron	120	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1336
ENV99-03	E9901925-2	101-9-062802	Liver	Triplicate	7440-50-8	Copper	5.2	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1336

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
TRACE METALS BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV99-03	E9901925-3	101-9-062802	Liver	Triplicate	7439-98-7	Molybdenum	1.300	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1340
ENV99-03	E9901925-3	101-9-062802	Liver	Triplicate	7440-66-6	Zinc	27	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1340
ENV99-03	E9901925-3	101-9-062802	Liver	Triplicate	7440-43-9	Cadmium	0.310	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1340
ENV99-03	E9901925-3	101-9-062802	Liver	Triplicate	7439-92-1	Lead	0.0476	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1340
ENV99-03	E9901925-3	101-9-062802	Liver	Triplicate	7439-96-5	Manganese	3.30	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1340
ENV99-03	E9901925-3	101-9-062802	Liver	Triplicate	7439-89-6	Iron	97	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1340
ENV99-03	E9901925-3	101-9-062802	Liver	Triplicate	7440-50-8	Copper	5.7	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1340
ENV99-03	E9901925MS	101-9-062802-MS	Liver	MS	7440-43-9	Cadmium	98			%	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1343
ENV99-03	E9901926	101-9-063339	Liver	Primary	7439-98-7	Molybdenum	1.500	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1347
ENV99-03	E9901926	101-9-063339	Liver	Primary	7440-66-6	Zinc	26	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1347
ENV99-03	E9901926	101-9-063339	Liver	Primary	7440-43-9	Cadmium	0.450	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1347
ENV99-03	E9901926	101-9-063339	Liver	Primary	7439-92-1	Lead	-0.343	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1347
ENV99-03	E9901926	101-9-063339	Liver	Primary	7439-96-5	Manganese	2.10	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1347
ENV99-03	E9901926	101-9-063339	Liver	Primary	7439-89-6	Iron	170	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1347
ENV99-03	E9901926	101-9-063339	Liver	Primary	7440-50-8	Copper	17.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1347
ENV99-03	E9901927	101-9-064273	Liver	Primary	7439-98-7	Molybdenum	1.900	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_1-14-00	0114HMS	1/4/2000	1/14/2000	1350
ENV99-03	E9901927	101-9-064273	Liver	Primary	7440-66-6	Zinc	24	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_1-14-00	0114HMS	1/4/2000	1/14/2000	1350
ENV99-03	E9901927	101-9-064273	Liver	Primary	7440-43-9	Cadmium	0.450	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_1-14-00	0114HMS	1/4/2000	1/14/2000	1350
ENV99-03	E9901927	101-9-064273	Liver	Primary	7439-92-1	Lead	-0.356	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_1-14-00	0114HMS	1/4/2000	1/14/2000	1350
ENV99-03	E9901927	101-9-064273	Liver	Primary	7439-96-5	Manganese	3.30	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_1-14-00	0114HMS	1/4/2000	1/14/2000	1350
ENV99-03	E9901927	101-9-064273	Liver	Primary	7439-89-6	Iron	69	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_1-14-00	0114HMS	1/4/2000	1/14/2000	1350
ENV99-03	E9901927	101-9-064273	Liver	Primary	7440-50-8	Copper	15.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_1-14-00	0114HMS	1/4/2000	1/14/2000	1350
ENV99-03	E9901927D	101-9-064273	Liver	Lab Duplicate	7439-98-7	Molybdenum	1.400	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1353
ENV99-03	E9901927D	101-9-064273	Liver	Lab Duplicate	7440-66-6	Zinc	24	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1353
ENV99-03	E9901927D	101-9-064273	Liver	Lab Duplicate	7440-43-9	Cadmium	0.480	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1353
ENV99-03	E9901927D	101-9-064273	Liver	Lab Duplicate	7439-92-1	Lead	0.72	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1353
ENV99-03	E9901927D	101-9-064273	Liver	Lab Duplicate	7439-96-5	Manganese	3.40	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1353
ENV99-03	E9901927D	101-9-064273	Liver	Lab Duplicate	7439-89-6	Iron	76	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1353
ENV99-03	E9901927D	101-9-064273	Liver	Lab Duplicate	7440-50-8	Copper	13.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1353
ENV99-03	E9901927B	Laboratory Blank	Lab QC	BLANK	7439-98-7	Molybdenum	0.0027	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1357
ENV99-03	E9901927B	Laboratory Blank	Lab QC	BLANK	7440-66-6	Zinc	-0.130	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1357
ENV99-03	E9901927B	Laboratory Blank	Lab QC	BLANK	7440-43-9	Cadmium	-0.0023	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1357
ENV99-03	E9901927B	Laboratory Blank	Lab QC	BLANK	7439-92-1	Lead	-0.0182	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1357
ENV99-03	E9901927B	Laboratory Blank	Lab QC	BLANK	7439-96-5	Manganese	0.0001	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1357
ENV99-03	E9901927B	Laboratory Blank	Lab QC	BLANK	7439-89-6	Iron	-0.0320	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1357
ENV99-03	E9901927B	Laboratory Blank	Lab QC	BLANK	7440-50-8	Copper	0.0292	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1357
ENV99-03	E9901927BS	Lab. Blank Spike	Lab QC	BS	7440-43-9	Cadmium	101			%	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1400
ENV99-03	E9901927CS	Check Standard	Lab QC	CS	7439-98-7	Molybdenum	1.000	0.09	EDL	ug/g	Wet Wt	1	1	100	11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1404
ENV99-03	E9901927CS	Check Standard	Lab QC	CS	7440-66-6	Zinc	5.100	0.01	EDL	ug/g	Wet Wt	1	5	102	11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1404
ENV99-03	E9901927CS	Check Standard	Lab QC	CS	7440-43-9	Cadmium	1.000	0.02	EDL	ug/g	Wet Wt	1	1	100	11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1404
ENV99-03	E9901927CS	Check Standard	Lab QC	CS	7439-92-1	Lead	5.20	0.23	EDL	ug/g	Wet Wt	1	5	104	11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1404
ENV99-03	E9901927CS	Check Standard	Lab QC	CS	7439-96-5	Manganese	5.10	0.01	EDL	ug/g	Wet Wt	1	5	102	11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1404
ENV99-03	E9901927CS	Check Standard	Lab QC	CS	7439-89-6	Iron	5.0	0.04	EDL	ug/g	Wet Wt	1	5	100	11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1404
ENV99-03	E9901927CS	Check Standard	Lab QC	CS	7440-50-8	Copper	4.90	0.03	EDL	ug/g	Wet Wt	1	5	98	11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1404
ENV99-03	E9901927SR	House Ref. Liver	Tissue	HRL	7439-98-7	Molybdenum	3.700	0.09	EDL	ug/g	Wet Wt	1	3.17	117	11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1407
ENV99-03	E9901927SR	House Ref. Liver	Tissue	HRL	7440-66-6	Zinc	130	0.01	EDL	ug/g	Wet Wt	1	120	108	11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1407
ENV99-03	E9901927SR	House Ref. Liver	Tissue	HRL	7440-43-9	Cadmium	60.000	0.02	EDL	ug/g	Wet Wt	1	54.3	110	11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1407
ENV99-03	E9901927SR	House Ref. Liver	Tissue	HRL	7439-92-1	Lead	50.00	0.23	EDL	ug/g	Wet Wt	1	48	104	11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1407
ENV99-03	E9901927SR	House Ref. Liver	Tissue	HRL	7439-96-5	Manganese	12.00	0.01	EDL	ug/g	Wet Wt	1	10.1	119	11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1407
ENV99-03	E9901927SR	House Ref. Liver	Tissue	HRL	7439-89-6	Iron	180	0.04	EDL	ug/g	Wet Wt	1	183	98	11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1407
ENV99-03	E9901927SR	House Ref. Liver	Tissue	HRL	7440-50-8	Copper	130.0	0.03	EDL	ug/g	Wet Wt	1	123	106	11/12/1999	ICP - AES	HMICP_01-14-00	0114HMS	1/4/2000	1/14/2000	1407
ENV99-03	E9901957B	Laboratory Blank	Lab QC	BLANK	7439-98-7	Molybdenum	-0.0120	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1128

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
TRACE METALS BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV99-03	E9901957B	Laboratory Blank	Lab QC	BLANK	7440-66-6	Zinc	0.013	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1128
ENV99-03	E9901957B	Laboratory Blank	Lab QC	BLANK	7440-43-9	Cadmium	-0.0018	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1128
ENV99-03	E9901957B	Laboratory Blank	Lab QC	BLANK	7439-92-1	Lead	-0.0337	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1128
ENV99-03	E9901957B	Laboratory Blank	Lab QC	BLANK	7439-96-5	Manganese	0.0020	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1128
ENV99-03	E9901957B	Laboratory Blank	Lab QC	BLANK	7439-89-6	Iron	-0.1787	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1128
ENV99-03	E9901957B	Laboratory Blank	Lab QC	BLANK	7440-50-8	Copper	-0.0584	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1128
ENV99-03	E9901957BS	Lab. Blank Spike	Lab QC	BS	7440-43-9	Cadmium	108			%	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1131
ENV99-03	E9901957CS	Check Standard	Lab QC	CS	7439-98-7	Molybdenum	0.980	0.09	EDL	ug/g	Wet Wt	1	1	98	11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1134
ENV99-03	E9901957CS	Check Standard	Lab QC	CS	7440-66-6	Zinc	5.0	0.01	EDL	ug/g	Wet Wt	1	5	100	11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1134
ENV99-03	E9901957CS	Check Standard	Lab QC	CS	7440-43-9	Cadmium	1.000	0.02	EDL	ug/g	Wet Wt	1	1	100	11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1134
ENV99-03	E9901957CS	Check Standard	Lab QC	CS	7439-92-1	Lead	4.70	0.23	EDL	ug/g	Wet Wt	1	5	94	11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1134
ENV99-03	E9901957CS	Check Standard	Lab QC	CS	7439-96-5	Manganese	5.00	0.01	EDL	ug/g	Wet Wt	1	5	100	11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1134
ENV99-03	E9901957CS	Check Standard	Lab QC	CS	7439-89-6	Iron	4.9	0.04	EDL	ug/g	Wet Wt	1	5	98	11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1134
ENV99-03	E9901957CS	Check Standard	Lab QC	CS	7440-50-8	Copper	4.8	0.03	EDL	ug/g	Wet Wt	1	5	96	11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1134
ENV99-03	E9901957SR	House Ref. Liver	Tissue	HRL	7439-98-7	Molybdenum	4.200	0.09	EDL	ug/g	Wet Wt	1	3.17	132	11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1138
ENV99-03	E9901957SR	House Ref. Liver	Tissue	HRL	7440-66-6	Zinc	130	0.01	EDL	ug/g	Wet Wt	1	120	108	11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1138
ENV99-03	E9901957SR	House Ref. Liver	Tissue	HRL	7440-43-9	Cadmium	60.000	0.02	EDL	ug/g	Wet Wt	1	54.3	110	11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1138
ENV99-03	E9901957SR	House Ref. Liver	Tissue	HRL	7439-92-1	Lead	50.00	0.23	EDL	ug/g	Wet Wt	1	48	104	11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1138
ENV99-03	E9901957SR	House Ref. Liver	Tissue	HRL	7439-96-5	Manganese	12.00	0.01	EDL	ug/g	Wet Wt	1	10.1	119	11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1138
ENV99-03	E9901957SR	House Ref. Liver	Tissue	HRL	7439-89-6	Iron	190	0.04	EDL	ug/g	Wet Wt	1	183	104	11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1138
ENV99-03	E9901957SR	House Ref. Liver	Tissue	HRL	7440-50-8	Copper	130.0	0.03	EDL	ug/g	Wet Wt	1	123	106	11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1138
ENV99-03	E9901957	107-7-61023	Liver	Primary	7439-98-7	Molybdenum	1.900	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1141
ENV99-03	E9901957	107-7-61023	Liver	Primary	7440-66-6	Zinc	26	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1141
ENV99-03	E9901957	107-7-61023	Liver	Primary	7440-43-9	Cadmium	0.220	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1141
ENV99-03	E9901957	107-7-61023	Liver	Primary	7439-92-1	Lead	-0.760	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1141
ENV99-03	E9901957	107-7-61023	Liver	Primary	7439-96-5	Manganese	2.90	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1141
ENV99-03	E9901957	107-7-61023	Liver	Primary	7439-89-6	Iron	160	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1141
ENV99-03	E9901957	107-7-61023	Liver	Primary	7440-50-8	Copper	20.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1141
ENV99-03	E9901958	107-9-002888	Liver	Primary	7439-98-7	Molybdenum	1.300	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1144
ENV99-03	E9901958	107-9-002888	Liver	Primary	7440-66-6	Zinc	34	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1144
ENV99-03	E9901958	107-9-002888	Liver	Primary	7440-43-9	Cadmium	0.340	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1144
ENV99-03	E9901958	107-9-002888	Liver	Primary	7439-92-1	Lead	-0.374	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1144
ENV99-03	E9901958	107-9-002888	Liver	Primary	7439-96-5	Manganese	3.20	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1144
ENV99-03	E9901958	107-9-002888	Liver	Primary	7439-89-6	Iron	110	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1144
ENV99-03	E9901958	107-9-002888	Liver	Primary	7440-50-8	Copper	5.2	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1144
ENV99-03	E9901960	107-9-007770	Liver	Primary	7439-98-7	Molybdenum	1.600	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1148
ENV99-03	E9901960	107-9-007770	Liver	Primary	7440-66-6	Zinc	24	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1148
ENV99-03	E9901960	107-9-007770	Liver	Primary	7440-43-9	Cadmium	0.210	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1148
ENV99-03	E9901960	107-9-007770	Liver	Primary	7439-92-1	Lead	0.218	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1148
ENV99-03	E9901960	107-9-007770	Liver	Primary	7439-96-5	Manganese	3.40	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1148
ENV99-03	E9901960	107-9-007770	Liver	Primary	7439-89-6	Iron	100	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1148
ENV99-03	E9901960	107-9-007770	Liver	Primary	7440-50-8	Copper	34.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1148
ENV99-03	E9901961	108-9-001128	Liver	Primary	7439-98-7	Molybdenum	1.200	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1151
ENV99-03	E9901961	108-9-001128	Liver	Primary	7440-66-6	Zinc	29	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1151
ENV99-03	E9901961	108-9-001128	Liver	Primary	7440-43-9	Cadmium	0.710	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1151
ENV99-03	E9901961	108-9-001128	Liver	Primary	7439-92-1	Lead	-0.196	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1151
ENV99-03	E9901961	108-9-001128	Liver	Primary	7439-96-5	Manganese	3.10	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1151
ENV99-03	E9901961	108-9-001128	Liver	Primary	7439-89-6	Iron	110	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1151
ENV99-03	E9901961	108-9-001128	Liver	Primary	7440-50-8	Copper	59.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1151
ENV99-03	E9901962	108-9-001165	Liver	Primary	7439-98-7	Molybdenum	1.300	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1154
ENV99-03	E9901962	108-9-001165	Liver	Primary	7440-66-6	Zinc	21	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1154
ENV99-03	E9901962	108-9-001165	Liver	Primary	7440-43-9	Cadmium	0.290	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1154

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
TRACE METALS BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV99-03	E9901962	108-9-001165	Liver	Primary	7439-92-1	Lead	0.161	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1154
ENV99-03	E9901962	108-9-001165	Liver	Primary	7439-96-5	Manganese	2.70	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1154
ENV99-03	E9901962	108-9-001165	Liver	Primary	7439-89-6	Iron	120	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1154
ENV99-03	E9901962	108-9-001165	Liver	Primary	7440-50-8	Copper	9.7	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1154
ENV99-03	E9901963	108-9-001269	Liver	Primary	7439-98-7	Molybdenum	1.100	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1158
ENV99-03	E9901963	108-9-001269	Liver	Primary	7440-66-6	Zinc	31	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1158
ENV99-03	E9901963	108-9-001269	Liver	Primary	7440-43-9	Cadmium	0.600	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1158
ENV99-03	E9901963	108-9-001269	Liver	Primary	7439-92-1	Lead	-0.771	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1158
ENV99-03	E9901963	108-9-001269	Liver	Primary	7439-96-5	Manganese	2.10	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1158
ENV99-03	E9901963	108-9-001269	Liver	Primary	7439-89-6	Iron	180	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1158
ENV99-03	E9901963	108-9-001269	Liver	Primary	7440-50-8	Copper	18.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1158
ENV99-03	E9901964	108-9-004060	Liver	Primary	7439-98-7	Molybdenum	1.400	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1201
ENV99-03	E9901964	108-9-004060	Liver	Primary	7440-66-6	Zinc	25	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1201
ENV99-03	E9901964	108-9-004060	Liver	Primary	7440-43-9	Cadmium	0.540	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1201
ENV99-03	E9901964	108-9-004060	Liver	Primary	7439-92-1	Lead	-0.451	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1201
ENV99-03	E9901964	108-9-004060	Liver	Primary	7439-96-5	Manganese	3.30	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1201
ENV99-03	E9901964	108-9-004060	Liver	Primary	7439-89-6	Iron	130	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1201
ENV99-03	E9901964	108-9-004060	Liver	Primary	7440-50-8	Copper	20.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1201
ENV99-03	E9901965	108-9-004918	Liver	Primary	7439-98-7	Molybdenum	1.500	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1204
ENV99-03	E9901965	108-9-004918	Liver	Primary	7440-66-6	Zinc	23	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1204
ENV99-03	E9901965	108-9-004918	Liver	Primary	7440-43-9	Cadmium	0.400	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1204
ENV99-03	E9901965	108-9-004918	Liver	Primary	7439-92-1	Lead	-0.450	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1204
ENV99-03	E9901965	108-9-004918	Liver	Primary	7439-96-5	Manganese	2.00	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1204
ENV99-03	E9901965	108-9-004918	Liver	Primary	7439-89-6	Iron	150	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1204
ENV99-03	E9901965	108-9-004918	Liver	Primary	7440-50-8	Copper	17.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1204
ENV99-03	E9901966	108-9-005208	Liver	Primary	7439-98-7	Molybdenum	0.920	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1208
ENV99-03	E9901966	108-9-005208	Liver	Primary	7440-66-6	Zinc	22	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1208
ENV99-03	E9901966	108-9-005208	Liver	Primary	7440-43-9	Cadmium	0.320	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1208
ENV99-03	E9901966	108-9-005208	Liver	Primary	7439-92-1	Lead	0.94	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1208
ENV99-03	E9901966	108-9-005208	Liver	Primary	7439-96-5	Manganese	3.70	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1208
ENV99-03	E9901966	108-9-005208	Liver	Primary	7439-89-6	Iron	220	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1208
ENV99-03	E9901966	108-9-005208	Liver	Primary	7440-50-8	Copper	16.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1208
ENV99-03	E9901967	108-9-005350	Liver	Primary	7439-98-7	Molybdenum	1.300	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1211
ENV99-03	E9901967	108-9-005350	Liver	Primary	7440-66-6	Zinc	24	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1211
ENV99-03	E9901967	108-9-005350	Liver	Primary	7440-43-9	Cadmium	0.260	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1211
ENV99-03	E9901967	108-9-005350	Liver	Primary	7439-92-1	Lead	-0.365	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1211
ENV99-03	E9901967	108-9-005350	Liver	Primary	7439-96-5	Manganese	3.10	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1211
ENV99-03	E9901967	108-9-005350	Liver	Primary	7439-89-6	Iron	230	0.04	EDL	ug/g	Wet Wt	2			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1211
ENV99-03	E9901967	108-9-005350	Liver	Primary	7440-50-8	Copper	57.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1211
ENV99-03	E9901967D	108-9-005350	Liver	Lab Duplicate	7439-98-7	Molybdenum	1.000	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1214
ENV99-03	E9901967D	108-9-005350	Liver	Lab Duplicate	7440-66-6	Zinc	23	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1214
ENV99-03	E9901967D	108-9-005350	Liver	Lab Duplicate	7440-43-9	Cadmium	0.260	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1214
ENV99-03	E9901967D	108-9-005350	Liver	Lab Duplicate	7439-92-1	Lead	-0.0289	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1214
ENV99-03	E9901967D	108-9-005350	Liver	Lab Duplicate	7439-96-5	Manganese	2.90	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1214
ENV99-03	E9901967D	108-9-005350	Liver	Lab Duplicate	7439-89-6	Iron	220	0.04	EDL	ug/g	Wet Wt	3			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1214
ENV99-03	E9901967D	108-9-005350	Liver	Lab Duplicate	7440-50-8	Copper	59.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1214
ENV99-03	E9901968	116-9-9108	Liver	Primary	7439-98-7	Molybdenum	1.400	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1221
ENV99-03	E9901968	116-9-9108	Liver	Primary	7440-66-6	Zinc	28	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1221
ENV99-03	E9901968	116-9-9108	Liver	Primary	7440-43-9	Cadmium	0.540	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1221
ENV99-03	E9901968	116-9-9108	Liver	Primary	7439-92-1	Lead	0.39	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1221
ENV99-03	E9901968	116-9-9108	Liver	Primary	7439-96-5	Manganese	3.00	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1221
ENV99-03	E9901968	116-9-9108	Liver	Primary	7439-89-6	Iron	150	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1221

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
TRACE METALS BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV99-03	E9901968	116-9-9108	Liver	Primary	7440-50-8	Copper	33.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1221
ENV99-03	E9901968B	Laboratory Blank	Lab QC	BLANK	7439-98-7	Molybdenum	-0.0179	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1224
ENV99-03	E9901968B	Laboratory Blank	Lab QC	BLANK	7440-66-6	Zinc	-0.0113	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1224
ENV99-03	E9901968B	Laboratory Blank	Lab QC	BLANK	7440-43-9	Cadmium	0.0008	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1224
ENV99-03	E9901968B	Laboratory Blank	Lab QC	BLANK	7439-92-1	Lead	-0.0238	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1224
ENV99-03	E9901968B	Laboratory Blank	Lab QC	BLANK	7439-96-5	Manganese	0.0005	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1224
ENV99-03	E9901968B	Laboratory Blank	Lab QC	BLANK	7439-89-6	Iron	-0.189	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1224
ENV99-03	E9901968B	Laboratory Blank	Lab QC	BLANK	7440-50-8	Copper	-0.0631	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1224
ENV99-03	E9901968BS	Lab. Blank Spike	Lab QC	BS	7440-43-9	Cadmium	91			%	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1228
ENV99-03	E9901968CS	Check Standard	Lab QC	CS	7439-98-7	Molybdenum	0.990	0.09	EDL	ug/g	Wet Wt	1	1	99	11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1231
ENV99-03	E9901968CS	Check Standard	Lab QC	CS	7440-66-6	Zinc	5.0	0.01	EDL	ug/g	Wet Wt	1	5	100	11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1231
ENV99-03	E9901968CS	Check Standard	Lab QC	CS	7440-43-9	Cadmium	0.980	0.02	EDL	ug/g	Wet Wt	1	1	98	11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1231
ENV99-03	E9901968CS	Check Standard	Lab QC	CS	7439-92-1	Lead	5.30	0.23	EDL	ug/g	Wet Wt	1	5	106	11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1231
ENV99-03	E9901968CS	Check Standard	Lab QC	CS	7439-96-5	Manganese	4.90	0.01	EDL	ug/g	Wet Wt	1	5	98	11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1231
ENV99-03	E9901968CS	Check Standard	Lab QC	CS	7439-89-6	Iron	5.3	0.04	EDL	ug/g	Wet Wt	1	5	106	11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1231
ENV99-03	E9901968CS	Check Standard	Lab QC	CS	7440-50-8	Copper	5.4	0.03	EDL	ug/g	Wet Wt	1	5	108	11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1231
ENV99-03	E9901968SR	House Ref. Liver	Tissue	HRL	7439-98-7	Molybdenum	3.200	0.09	EDL	ug/g	Wet Wt	1	3.17	101	11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1234
ENV99-03	E9901968SR	House Ref. Liver	Tissue	HRL	7440-66-6	Zinc	140	0.01	EDL	ug/g	Wet Wt	1	120	117	11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1234
ENV99-03	E9901968SR	House Ref. Liver	Tissue	HRL	7440-43-9	Cadmium	61.000	0.02	EDL	ug/g	Wet Wt	1	54.3	112	11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1234
ENV99-03	E9901968SR	House Ref. Liver	Tissue	HRL	7439-92-1	Lead	56.00	0.23	EDL	ug/g	Wet Wt	1	48	117	11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1234
ENV99-03	E9901968SR	House Ref. Liver	Tissue	HRL	7439-96-5	Manganese	12.00	0.01	EDL	ug/g	Wet Wt	1	10.1	119	11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1234
ENV99-03	E9901968SR	House Ref. Liver	Tissue	HRL	7439-89-6	Iron	210	0.04	EDL	ug/g	Wet Wt	1	183	115	11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1234
ENV99-03	E9901968SR	House Ref. Liver	Tissue	HRL	7440-50-8	Copper	150.0	0.03	EDL	ug/g	Wet Wt	1	123	122	11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1234
ENV99-03	E9901969	116-9-9109	Liver	Primary	7439-98-7	Molybdenum	1.000	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1238
ENV99-03	E9901969	116-9-9109	Liver	Primary	7440-66-6	Zinc	24	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1238
ENV99-03	E9901969	116-9-9109	Liver	Primary	7440-43-9	Cadmium	0.210	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1238
ENV99-03	E9901969	116-9-9109	Liver	Primary	7439-92-1	Lead	0.132	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1238
ENV99-03	E9901969	116-9-9109	Liver	Primary	7439-96-5	Manganese	2.50	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1238
ENV99-03	E9901969	116-9-9109	Liver	Primary	7439-89-6	Iron	190	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1238
ENV99-03	E9901969	116-9-9109	Liver	Primary	7440-50-8	Copper	3.8	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1238
ENV99-03	E9901970	125-9-001223	Liver	Primary	7439-98-7	Molybdenum	1.500	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1241
ENV99-03	E9901970	125-9-001223	Liver	Primary	7440-66-6	Zinc	28	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1241
ENV99-03	E9901970	125-9-001223	Liver	Primary	7440-43-9	Cadmium	0.370	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1241
ENV99-03	E9901970	125-9-001223	Liver	Primary	7439-92-1	Lead	-0.180	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1241
ENV99-03	E9901970	125-9-001223	Liver	Primary	7439-96-5	Manganese	3.40	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1241
ENV99-03	E9901970	125-9-001223	Liver	Primary	7439-89-6	Iron	99	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1241
ENV99-03	E9901970	125-9-001223	Liver	Primary	7440-50-8	Copper	22.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1241
ENV99-03	E9901971	202-9-003457	Liver	Primary	7439-98-7	Molybdenum	1.800	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1244
ENV99-03	E9901971	202-9-003457	Liver	Primary	7440-66-6	Zinc	29	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1244
ENV99-03	E9901971	202-9-003457	Liver	Primary	7440-43-9	Cadmium	0.420	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1244
ENV99-03	E9901971	202-9-003457	Liver	Primary	7439-92-1	Lead	0.103	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1244
ENV99-03	E9901971	202-9-003457	Liver	Primary	7439-96-5	Manganese	2.90	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1244
ENV99-03	E9901971	202-9-003457	Liver	Primary	7439-89-6	Iron	240	0.04	EDL	ug/g	Wet Wt	2			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1244
ENV99-03	E9901971	202-9-003457	Liver	Primary	7440-50-8	Copper	49.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1244
ENV99-03	E9901972	202-9-508864	Liver	Primary	7439-98-7	Molybdenum	1.300	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1248
ENV99-03	E9901972	202-9-508864	Liver	Primary	7440-66-6	Zinc	24	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1248
ENV99-03	E9901972	202-9-508864	Liver	Primary	7440-43-9	Cadmium	0.120	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1248
ENV99-03	E9901972	202-9-508864	Liver	Primary	7439-92-1	Lead	-0.0902	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1248
ENV99-03	E9901972	202-9-508864	Liver	Primary	7439-96-5	Manganese	3.10	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1248
ENV99-03	E9901972	202-9-508864	Liver	Primary	7439-89-6	Iron	120	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1248
ENV99-03	E9901972	202-9-508864	Liver	Primary	7440-50-8	Copper	45.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1248
ENV99-03	E9901976	101-9-003717	Muscle	Primary	7439-98-7	Molybdenum	0.0255	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1251

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
TRACE METALS BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV99-03	E9901976	101-9-003717	Muscle	Primary	7440-66-6	Zinc	35	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1251
ENV99-03	E9901976	101-9-003717	Muscle	Primary	7440-43-9	Cadmium	0.035	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1251
ENV99-03	E9901976	101-9-003717	Muscle	Primary	7439-92-1	Lead	0.70	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1251
ENV99-03	E9901976	101-9-003717	Muscle	Primary	7439-96-5	Manganese	1.20	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1251
ENV99-03	E9901976	101-9-003717	Muscle	Primary	7439-89-6	Iron	38	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1251
ENV99-03	E9901976	101-9-003717	Muscle	Primary	7440-50-8	Copper	1.1	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1251
ENV99-03	E9901977	101-9-003781	Muscle	Primary	7439-98-7	Molybdenum	0.0222	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1254
ENV99-03	E9901977	101-9-003781	Muscle	Primary	7440-66-6	Zinc	27	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1254
ENV99-03	E9901977	101-9-003781	Muscle	Primary	7440-43-9	Cadmium	0.047	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1254
ENV99-03	E9901977	101-9-003781	Muscle	Primary	7439-92-1	Lead	0.0921	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1254
ENV99-03	E9901977	101-9-003781	Muscle	Primary	7439-96-5	Manganese	0.84	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1254
ENV99-03	E9901977	101-9-003781	Muscle	Primary	7439-89-6	Iron	34	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1254
ENV99-03	E9901977	101-9-003781	Muscle	Primary	7440-50-8	Copper	1.2	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1254
ENV99-03	E9901979	101-9-010800	Muscle	Primary	7439-98-7	Molybdenum	-0.0577	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1258
ENV99-03	E9901979	101-9-010800	Muscle	Primary	7440-66-6	Zinc	75	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1258
ENV99-03	E9901979	101-9-010800	Muscle	Primary	7440-43-9	Cadmium	0.071	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1258
ENV99-03	E9901979	101-9-010800	Muscle	Primary	7439-92-1	Lead	0.0619	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1258
ENV99-03	E9901979	101-9-010800	Muscle	Primary	7439-96-5	Manganese	0.37	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1258
ENV99-03	E9901979	101-9-010800	Muscle	Primary	7439-89-6	Iron	46	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1258
ENV99-03	E9901979	101-9-010800	Muscle	Primary	7440-50-8	Copper	0.88	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1258
ENV99-03	E9901985	101-9-045262	Muscle	Primary	7439-98-7	Molybdenum	-0.0017	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1301
ENV99-03	E9901985	101-9-045262	Muscle	Primary	7440-66-6	Zinc	26	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1301
ENV99-03	E9901985	101-9-045262	Muscle	Primary	7440-43-9	Cadmium	0.290	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1301
ENV99-03	E9901985	101-9-045262	Muscle	Primary	7439-92-1	Lead	-0.3923	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1301
ENV99-03	E9901985	101-9-045262	Muscle	Primary	7439-96-5	Manganese	0.32	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1301
ENV99-03	E9901985	101-9-045262	Muscle	Primary	7439-89-6	Iron	48	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1301
ENV99-03	E9901985	101-9-045262	Muscle	Primary	7440-50-8	Copper	1.6	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1301
ENV99-03	E9901987	101-9-064273	Muscle	Primary	7439-98-7	Molybdenum	0.0858	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1304
ENV99-03	E9901987	101-9-064273	Muscle	Primary	7440-66-6	Zinc	70	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1304
ENV99-03	E9901987	101-9-064273	Muscle	Primary	7440-43-9	Cadmium	0.065	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1304
ENV99-03	E9901987	101-9-064273	Muscle	Primary	7439-92-1	Lead	-0.0353	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1304
ENV99-03	E9901987	101-9-064273	Muscle	Primary	7439-96-5	Manganese	0.20	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1304
ENV99-03	E9901987	101-9-064273	Muscle	Primary	7439-89-6	Iron	37	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1304
ENV99-03	E9901987	101-9-064273	Muscle	Primary	7440-50-8	Copper	0.87	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1304
ENV99-03	E9901990	101-9-081257	Muscle	Primary	7439-98-7	Molybdenum	-0.030	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1308
ENV99-03	E9901990	101-9-081257	Muscle	Primary	7440-66-6	Zinc	30	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1308
ENV99-03	E9901990	101-9-081257	Muscle	Primary	7440-43-9	Cadmium	0.064	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1308
ENV99-03	E9901990	101-9-081257	Muscle	Primary	7439-92-1	Lead	-1.001	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1308
ENV99-03	E9901990	101-9-081257	Muscle	Primary	7439-96-5	Manganese	0.25	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1308
ENV99-03	E9901990	101-9-081257	Muscle	Primary	7439-89-6	Iron	50	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1308
ENV99-03	E9901990	101-9-081257	Muscle	Primary	7440-50-8	Copper	0.53	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1308
ENV99-03	E9901990D	101-9-081257	Muscle	Lab Duplicate	7439-98-7	Molybdenum	-0.120	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1314
ENV99-03	E9901990D	101-9-081257	Muscle	Lab Duplicate	7440-66-6	Zinc	43	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1314
ENV99-03	E9901990D	101-9-081257	Muscle	Lab Duplicate	7440-43-9	Cadmium	0.078	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1314
ENV99-03	E9901990D	101-9-081257	Muscle	Lab Duplicate	7439-92-1	Lead	0.0483	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1314
ENV99-03	E9901990D	101-9-081257	Muscle	Lab Duplicate	7439-96-5	Manganese	3.00	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1314
ENV99-03	E9901990D	101-9-081257	Muscle	Lab Duplicate	7439-89-6	Iron	160	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1314
ENV99-03	E9901990D	101-9-081257	Muscle	Lab Duplicate	7440-50-8	Copper	0.85	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1314
ENV99-03	E9901990B	Laboratory Blank	Lab QC	BLANK	7439-98-7	Molybdenum	-0.0070	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1318
ENV99-03	E9901990B	Laboratory Blank	Lab QC	BLANK	7440-66-6	Zinc	0.0028	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1318
ENV99-03	E9901990B	Laboratory Blank	Lab QC	BLANK	7440-43-9	Cadmium	-0.0028	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1318
ENV99-03	E9901990B	Laboratory Blank	Lab QC	BLANK	7439-92-1	Lead	0.0207	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1318

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
TRACE METALS BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV99-03	E9901990B	Laboratory Blank	Lab QC	BLANK	7439-96-5	Manganese	0.0027	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1318
ENV99-03	E9901990B	Laboratory Blank	Lab QC	BLANK	7439-89-6	Iron	-0.1885	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1318
ENV99-03	E9901990B	Laboratory Blank	Lab QC	BLANK	7440-50-8	Copper	-0.0631	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1318
ENV99-03	E9901990BS	Lab. Blank Spike	Lab QC	BS	7440-43-9	Cadmium	98			%	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1322
ENV99-03	E9901990CS	Check Standard	Lab QC	CS	7439-98-7	Molybdenum	0.980	0.09	EDL	ug/g	Wet Wt	1	1	98	11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1325
ENV99-03	E9901990CS	Check Standard	Lab QC	CS	7440-66-6	Zinc	5.1	0.01	EDL	ug/g	Wet Wt	1	5	102	11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1325
ENV99-03	E9901990CS	Check Standard	Lab QC	CS	7440-43-9	Cadmium	1.000	0.02	EDL	ug/g	Wet Wt	1	1	100	11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1325
ENV99-03	E9901990CS	Check Standard	Lab QC	CS	7439-92-1	Lead	4.80	0.23	EDL	ug/g	Wet Wt	1	5	96	11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1325
ENV99-03	E9901990CS	Check Standard	Lab QC	CS	7439-96-5	Manganese	5.00	0.01	EDL	ug/g	Wet Wt	1	5	100	11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1325
ENV99-03	E9901990CS	Check Standard	Lab QC	CS	7439-89-6	Iron	5.0	0.04	EDL	ug/g	Wet Wt	1	5	100	11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1325
ENV99-03	E9901990CS	Check Standard	Lab QC	CS	7440-50-8	Copper	5.0	0.03	EDL	ug/g	Wet Wt	1	5	100	11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1325
ENV99-03	E9901990SR	House Ref. Liver	Tissue	HRL	7439-98-7	Molybdenum	3.100	0.09	EDL	ug/g	Wet Wt	1	3.17	98	11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1329
ENV99-03	E9901990SR	House Ref. Liver	Tissue	HRL	7440-66-6	Zinc	140	0.01	EDL	ug/g	Wet Wt	1	120	117	11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1329
ENV99-03	E9901990SR	House Ref. Liver	Tissue	HRL	7440-43-9	Cadmium	62.000	0.02	EDL	ug/g	Wet Wt	1	54.3	114	11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1329
ENV99-03	E9901990SR	House Ref. Liver	Tissue	HRL	7439-92-1	Lead	52.00	0.23	EDL	ug/g	Wet Wt	1	48	108	11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1329
ENV99-03	E9901990SR	House Ref. Liver	Tissue	HRL	7439-96-5	Manganese	12.00	0.01	EDL	ug/g	Wet Wt	1	10.1	119	11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1329
ENV99-03	E9901990SR	House Ref. Liver	Tissue	HRL	7439-89-6	Iron	190	0.04	EDL	ug/g	Wet Wt	1	183	104	11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1329
ENV99-03	E9901990SR	House Ref. Liver	Tissue	HRL	7440-50-8	Copper	130.0	0.03	EDL	ug/g	Wet Wt	1	123	106	11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1329
ENV99-03	E9901928	101-9-069460	Liver	Primary	7439-98-7	Molybdenum	1.200	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1337
ENV99-03	E9901928	101-9-069460	Liver	Primary	7440-66-6	Zinc	27	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1337
ENV99-03	E9901928	101-9-069460	Liver	Primary	7440-43-9	Cadmium	0.780	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1337
ENV99-03	E9901928	101-9-069460	Liver	Primary	7439-92-1	Lead	-0.3257	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1337
ENV99-03	E9901928	101-9-069460	Liver	Primary	7439-96-5	Manganese	2.40	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1337
ENV99-03	E9901928	101-9-069460	Liver	Primary	7439-89-6	Iron	200	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1337
ENV99-03	E9901928	101-9-069460	Liver	Primary	7440-50-8	Copper	35.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1337
ENV99-03	E9901928D	101-9-069460	Liver	Lab Duplicate	7439-98-7	Molybdenum	1.000	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1341
ENV99-03	E9901928D	101-9-069460	Liver	Lab Duplicate	7440-66-6	Zinc	26	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1341
ENV99-03	E9901928D	101-9-069460	Liver	Lab Duplicate	7440-43-9	Cadmium	0.730	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1341
ENV99-03	E9901928D	101-9-069460	Liver	Lab Duplicate	7439-92-1	Lead	0.1635	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1341
ENV99-03	E9901928D	101-9-069460	Liver	Lab Duplicate	7439-96-5	Manganese	2.40	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1341
ENV99-03	E9901928D	101-9-069460	Liver	Lab Duplicate	7439-89-6	Iron	210	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1341
ENV99-03	E9901928D	101-9-069460	Liver	Lab Duplicate	7440-50-8	Copper	38.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1341
ENV99-03	E9901930	101-9-072423	Liver	Primary	7439-98-7	Molybdenum	1.600	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1344
ENV99-03	E9901930	101-9-072423	Liver	Primary	7440-66-6	Zinc	25	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1344
ENV99-03	E9901930	101-9-072423	Liver	Primary	7440-43-9	Cadmium	0.160	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1344
ENV99-03	E9901930	101-9-072423	Liver	Primary	7439-92-1	Lead	0.0140	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1344
ENV99-03	E9901930	101-9-072423	Liver	Primary	7439-96-5	Manganese	3.40	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1344
ENV99-03	E9901930	101-9-072423	Liver	Primary	7439-89-6	Iron	92	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1344
ENV99-03	E9901930	101-9-072423	Liver	Primary	7440-50-8	Copper	10.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1344
ENV99-03	E9901931	101-9-073654	Liver	Primary	7439-98-7	Molybdenum	1.500	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1347
ENV99-03	E9901931	101-9-073654	Liver	Primary	7440-66-6	Zinc	26	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1347
ENV99-03	E9901931	101-9-073654	Liver	Primary	7440-43-9	Cadmium	0.170	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1347
ENV99-03	E9901931	101-9-073654	Liver	Primary	7439-92-1	Lead	0.44	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1347
ENV99-03	E9901931	101-9-073654	Liver	Primary	7439-96-5	Manganese	3.30	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1347
ENV99-03	E9901931	101-9-073654	Liver	Primary	7439-89-6	Iron	200	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1347
ENV99-03	E9901931	101-9-073654	Liver	Primary	7440-50-8	Copper	53.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1347
ENV99-03	E9901932	101-9-075445	Liver	Primary	7439-98-7	Molybdenum	1.400	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1351
ENV99-03	E9901932	101-9-075445	Liver	Primary	7440-66-6	Zinc	27	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1351
ENV99-03	E9901932	101-9-075445	Liver	Primary	7440-43-9	Cadmium	0.260	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1351
ENV99-03	E9901932	101-9-075445	Liver	Primary	7439-92-1	Lead	0.1219	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1351
ENV99-03	E9901932	101-9-075445	Liver	Primary	7439-96-5	Manganese	2.80	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1351
ENV99-03	E9901932	101-9-075445	Liver	Primary	7439-89-6	Iron	290	0.04	EDL	ug/g	Wet Wt	2			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1351

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
TRACE METALS BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV99-03	E9901932	101-9-075445	Liver	Primary	7440-50-8	Copper	32.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1351
ENV99-03	E9901935	101-9-081257	Liver	Primary	7439-98-7	Molybdenum	1.100	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1354
ENV99-03	E9901935	101-9-081257	Liver	Primary	7440-66-6	Zinc	25	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1354
ENV99-03	E9901935	101-9-081257	Liver	Primary	7440-43-9	Cadmium	1.800	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1354
ENV99-03	E9901935	101-9-081257	Liver	Primary	7439-92-1	Lead	-0.3019	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1354
ENV99-03	E9901935	101-9-081257	Liver	Primary	7439-96-5	Manganese	2.60	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1354
ENV99-03	E9901935	101-9-081257	Liver	Primary	7439-89-6	Iron	260	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1354
ENV99-03	E9901935	101-9-081257	Liver	Primary	7440-50-8	Copper	50.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1354
ENV99-03	E9901936	101-9-082849	Liver	Triplicate	7439-98-7	Molybdenum	1.200	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1357
ENV99-03	E9901936	101-9-082849	Liver	Triplicate	7440-66-6	Zinc	24	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1357
ENV99-03	E9901936	101-9-082849	Liver	Triplicate	7440-43-9	Cadmium	0.170	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1357
ENV99-03	E9901936	101-9-082849	Liver	Triplicate	7439-92-1	Lead	-0.1934	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1357
ENV99-03	E9901936	101-9-082849	Liver	Triplicate	7439-96-5	Manganese	3.10	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1357
ENV99-03	E9901936	101-9-082849	Liver	Triplicate	7439-89-6	Iron	160	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1357
ENV99-03	E9901936	101-9-082849	Liver	Triplicate	7440-50-8	Copper	36.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1357
ENV99-03	E9901936-2	101-9-082849	Liver	Triplicate	7439-98-7	Molybdenum	1.200	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1401
ENV99-03	E9901936-2	101-9-082849	Liver	Triplicate	7440-66-6	Zinc	24	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1401
ENV99-03	E9901936-2	101-9-082849	Liver	Triplicate	7440-43-9	Cadmium	0.160	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1401
ENV99-03	E9901936-2	101-9-082849	Liver	Triplicate	7439-92-1	Lead	0.0630	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1401
ENV99-03	E9901936-2	101-9-082849	Liver	Triplicate	7439-96-5	Manganese	3.00	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1401
ENV99-03	E9901936-2	101-9-082849	Liver	Triplicate	7439-89-6	Iron	160	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1401
ENV99-03	E9901936-2	101-9-082849	Liver	Triplicate	7440-50-8	Copper	27.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1401
ENV99-03	E9901936-3	101-9-082849	Liver	Triplicate	7439-98-7	Molybdenum	1.500	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1404
ENV99-03	E9901936-3	101-9-082849	Liver	Triplicate	7440-66-6	Zinc	29	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1404
ENV99-03	E9901936-3	101-9-082849	Liver	Triplicate	7440-43-9	Cadmium	0.210	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1404
ENV99-03	E9901936-3	101-9-082849	Liver	Triplicate	7439-92-1	Lead	-0.0517	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1404
ENV99-03	E9901936-3	101-9-082849	Liver	Triplicate	7439-96-5	Manganese	3.70	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1404
ENV99-03	E9901936-3	101-9-082849	Liver	Triplicate	7439-89-6	Iron	170	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1404
ENV99-03	E9901936-3	101-9-082849	Liver	Triplicate	7440-50-8	Copper	40.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1404
ENV99-03	E9901936MS	101-9-082849-MS	Liver	MS	7440-43-9	Cadmium	116			%	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1408
ENV99-03	E9901937	101-9-084603	Liver	Primary	7439-98-7	Molybdenum	1.200	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1411
ENV99-03	E9901937	101-9-084603	Liver	Primary	7440-66-6	Zinc	32	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1411
ENV99-03	E9901937	101-9-084603	Liver	Primary	7440-43-9	Cadmium	0.920	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1411
ENV99-03	E9901937	101-9-084603	Liver	Primary	7439-92-1	Lead	0.49	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1411
ENV99-03	E9901937	101-9-084603	Liver	Primary	7439-96-5	Manganese	3.10	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1411
ENV99-03	E9901937	101-9-084603	Liver	Primary	7439-89-6	Iron	190	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1411
ENV99-03	E9901937	101-9-084603	Liver	Primary	7440-50-8	Copper	20.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1411
ENV99-03	E9901938	102-9-005611	Liver	Primary	7439-98-7	Molybdenum	1.200	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1414
ENV99-03	E9901938	102-9-005611	Liver	Primary	7440-66-6	Zinc	28	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1414
ENV99-03	E9901938	102-9-005611	Liver	Primary	7440-43-9	Cadmium	0.720	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1414
ENV99-03	E9901938	102-9-005611	Liver	Primary	7439-92-1	Lead	0.1171	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1414
ENV99-03	E9901938	102-9-005611	Liver	Primary	7439-96-5	Manganese	3.60	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1414
ENV99-03	E9901938	102-9-005611	Liver	Primary	7439-89-6	Iron	260	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1414
ENV99-03	E9901938	102-9-005611	Liver	Primary	7440-50-8	Copper	52.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1414
ENV99-03	E9901939	102-9-007374	Liver	Primary	7439-98-7	Molybdenum	1.200	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1418
ENV99-03	E9901939	102-9-007374	Liver	Primary	7440-66-6	Zinc	26	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1418
ENV99-03	E9901939	102-9-007374	Liver	Primary	7440-43-9	Cadmium	0.360	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1418
ENV99-03	E9901939	102-9-007374	Liver	Primary	7439-92-1	Lead	-0.0453	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1418
ENV99-03	E9901939	102-9-007374	Liver	Primary	7439-96-5	Manganese	3.10	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1418
ENV99-03	E9901939	102-9-007374	Liver	Primary	7439-89-6	Iron	120	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1418
ENV99-03	E9901939	102-9-007374	Liver	Primary	7440-50-8	Copper	39.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1418
ENV99-03	E9901940	102-9-009310	Liver	Primary	7439-98-7	Molybdenum	1.400	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1421

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
TRACE METALS BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV99-03	E9901940	102-9-009310	Liver	Primary	7440-66-6	Zinc	31	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1421
ENV99-03	E9901940	102-9-009310	Liver	Primary	7440-43-9	Cadmium	0.160	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1421
ENV99-03	E9901940	102-9-009310	Liver	Primary	7439-92-1	Lead	-0.6195	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1421
ENV99-03	E9901940	102-9-009310	Liver	Primary	7439-96-5	Manganese	3.70	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1421
ENV99-03	E9901940	102-9-009310	Liver	Primary	7439-89-6	Iron	90	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1421
ENV99-03	E9901940	102-9-009310	Liver	Primary	7440-50-8	Copper	25.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1421
ENV99-03	E9901940B	Laboratory Blank	Lab QC	BLANK	7439-98-7	Molybdenum	-0.0086	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1424
ENV99-03	E9901940B	Laboratory Blank	Lab QC	BLANK	7440-66-6	Zinc	-0.0074	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1424
ENV99-03	E9901940B	Laboratory Blank	Lab QC	BLANK	7440-43-9	Cadmium	-0.0031	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1424
ENV99-03	E9901940B	Laboratory Blank	Lab QC	BLANK	7439-92-1	Lead	0.0054	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1424
ENV99-03	E9901940B	Laboratory Blank	Lab QC	BLANK	7439-96-5	Manganese	0.0003	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1424
ENV99-03	E9901940B	Laboratory Blank	Lab QC	BLANK	7439-89-6	Iron	-0.1925	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1424
ENV99-03	E9901940B	Laboratory Blank	Lab QC	BLANK	7440-50-8	Copper	-0.0664	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1424
ENV99-03	E9901940BS	Lab. Blank Spike	Lab QC	BS	7440-43-9	Cadmium	92			%	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1431
ENV99-03	E9901940CS	Check Standard	Lab QC	CS	7439-98-7	Molybdenum	0.990	0.09	EDL	ug/g	Wet Wt	1	1	99	11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1434
ENV99-03	E9901940CS	Check Standard	Lab QC	CS	7440-66-6	Zinc	5.1	0.01	EDL	ug/g	Wet Wt	1	5	102	11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1434
ENV99-03	E9901940CS	Check Standard	Lab QC	CS	7440-43-9	Cadmium	0.990	0.02	EDL	ug/g	Wet Wt	1	1	99	11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1434
ENV99-03	E9901940CS	Check Standard	Lab QC	CS	7439-92-1	Lead	5.10	0.23	EDL	ug/g	Wet Wt	1	5	102	11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1434
ENV99-03	E9901940CS	Check Standard	Lab QC	CS	7439-96-5	Manganese	5.00	0.01	EDL	ug/g	Wet Wt	1	5	100	11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1434
ENV99-03	E9901940CS	Check Standard	Lab QC	CS	7439-89-6	Iron	5.3	0.04	EDL	ug/g	Wet Wt	1	5	106	11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1434
ENV99-03	E9901940CS	Check Standard	Lab QC	CS	7440-50-8	Copper	5.2	0.03	EDL	ug/g	Wet Wt	1	5	104	11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1434
ENV99-03	E9901940SR	House Ref. Liver	Tissue	HRL	7439-98-7	Molybdenum	3.800	0.09	EDL	ug/g	Wet Wt	1	3.17	120	11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1438
ENV99-03	E9901940SR	House Ref. Liver	Tissue	HRL	7440-66-6	Zinc	130	0.01	EDL	ug/g	Wet Wt	1	120	108	11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1438
ENV99-03	E9901940SR	House Ref. Liver	Tissue	HRL	7440-43-9	Cadmium	58.000	0.02	EDL	ug/g	Wet Wt	1	54.3	107	11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1438
ENV99-03	E9901940SR	House Ref. Liver	Tissue	HRL	7439-92-1	Lead	52.00	0.23	EDL	ug/g	Wet Wt	1	48	108	11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1438
ENV99-03	E9901940SR	House Ref. Liver	Tissue	HRL	7439-96-5	Manganese	12.00	0.01	EDL	ug/g	Wet Wt	1	10.1	119	11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1438
ENV99-03	E9901940SR	House Ref. Liver	Tissue	HRL	7439-89-6	Iron	200	0.04	EDL	ug/g	Wet Wt	1	183	109	11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1438
ENV99-03	E9901940SR	House Ref. Liver	Tissue	HRL	7440-50-8	Copper	140.0	0.03	EDL	ug/g	Wet Wt	1	123	114	11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1438
ENV99-03	E9901944	102-9-012285	Liver	Primary	7439-98-7	Molybdenum	1.300	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1441
ENV99-03	E9901944	102-9-012285	Liver	Primary	7440-66-6	Zinc	27	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1441
ENV99-03	E9901944	102-9-012285	Liver	Primary	7440-43-9	Cadmium	0.500	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1441
ENV99-03	E9901944	102-9-012285	Liver	Primary	7439-92-1	Lead	0.34	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/21/2000	1015
ENV99-03	E9901944	102-9-012285	Liver	Primary	7439-96-5	Manganese	3.00	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1441
ENV99-03	E9901944	102-9-012285	Liver	Primary	7439-89-6	Iron	160	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1441
ENV99-03	E9901944	102-9-012285	Liver	Primary	7440-50-8	Copper	47.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1441
ENV99-03	E9901946	104-9-004294	Liver	Primary	7439-98-7	Molybdenum	1.200	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1444
ENV99-03	E9901946	104-9-004294	Liver	Primary	7440-66-6	Zinc	24	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1444
ENV99-03	E9901946	104-9-004294	Liver	Primary	7440-43-9	Cadmium	0.490	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1444
ENV99-03	E9901946	104-9-004294	Liver	Primary	7439-92-1	Lead	0.75	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/21/2000	1015
ENV99-03	E9901946	104-9-004294	Liver	Primary	7439-96-5	Manganese	2.90	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1444
ENV99-03	E9901946	104-9-004294	Liver	Primary	7439-89-6	Iron	230	0.04	EDL	ug/g	Wet Wt	2			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1444
ENV99-03	E9901946	104-9-004294	Liver	Primary	7440-50-8	Copper	17.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1444
ENV99-03	E9901947	104-9-006924	Liver	Primary	7439-98-7	Molybdenum	1.000	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1448
ENV99-03	E9901947	104-9-006924	Liver	Primary	7440-66-6	Zinc	19	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1448
ENV99-03	E9901947	104-9-006924	Liver	Primary	7440-43-9	Cadmium	0.170	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1448
ENV99-03	E9901947	104-9-006924	Liver	Primary	7439-92-1	Lead	-0.1792	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/21/2000	1019
ENV99-03	E9901947	104-9-006924	Liver	Primary	7439-96-5	Manganese	1.70	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1448
ENV99-03	E9901947	104-9-006924	Liver	Primary	7439-89-6	Iron	240	0.04	EDL	ug/g	Wet Wt	2			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1448
ENV99-03	E9901947	104-9-006924	Liver	Primary	7440-50-8	Copper	61.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1448
ENV99-03	E9901948	104-9-007653	Liver	Primary	7439-98-7	Molybdenum	1.100	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1451
ENV99-03	E9901948	104-9-007653	Liver	Primary	7440-66-6	Zinc	30	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1451
ENV99-03	E9901948	104-9-007653	Liver	Primary	7440-43-9	Cadmium	0.210	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1451

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV99-03	E9901948	104-9-007653	Liver	Primary	7439-92-1	Lead	-0.0740	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/21/2000	1021
ENV99-03	E9901948	104-9-007653	Liver	Primary	7439-96-5	Manganese	2.30	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1451
ENV99-03	E9901948	104-9-007653	Liver	Primary	7439-89-6	Iron	210	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1451
ENV99-03	E9901948	104-9-007653	Liver	Primary	7440-50-8	Copper	32.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1451
ENV99-03	E9901949	104-9-009086	Liver	Primary	7439-98-7	Molybdenum	1.200	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1454
ENV99-03	E9901949	104-9-009086	Liver	Primary	7440-66-6	Zinc	27	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1454
ENV99-03	E9901949	104-9-009086	Liver	Primary	7440-43-9	Cadmium	0.160	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1454
ENV99-03	E9901949	104-9-009086	Liver	Primary	7439-92-1	Lead	0.30	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/21/2000	1023
ENV99-03	E9901949	104-9-009086	Liver	Primary	7439-96-5	Manganese	3.00	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1454
ENV99-03	E9901949	104-9-009086	Liver	Primary	7439-89-6	Iron	63	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1454
ENV99-03	E9901949	104-9-009086	Liver	Primary	7440-50-8	Copper	17.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1454
ENV99-03	E9901950	104-9-014257	Liver	Primary	7439-98-7	Molybdenum	1.000	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1458
ENV99-03	E9901950	104-9-014257	Liver	Primary	7440-66-6	Zinc	50	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1458
ENV99-03	E9901950	104-9-014257	Liver	Primary	7440-43-9	Cadmium	0.520	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1458
ENV99-03	E9901950	104-9-014257	Liver	Primary	7439-92-1	Lead	0.58	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/21/2000	1025
ENV99-03	E9901950	104-9-014257	Liver	Primary	7439-96-5	Manganese	3.40	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1458
ENV99-03	E9901950	104-9-014257	Liver	Primary	7439-89-6	Iron	180	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1458
ENV99-03	E9901950	104-9-014257	Liver	Primary	7440-50-8	Copper	4.4	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1458
ENV99-03	E9901953	106-9-000834	Liver	Primary	7439-98-7	Molybdenum	1.900	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1501
ENV99-03	E9901953	106-9-000834	Liver	Primary	7440-66-6	Zinc	27	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1501
ENV99-03	E9901953	106-9-000834	Liver	Primary	7440-43-9	Cadmium	0.660	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1501
ENV99-03	E9901953	106-9-000834	Liver	Primary	7439-92-1	Lead	-0.2511	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/21/2000	1027
ENV99-03	E9901953	106-9-000834	Liver	Primary	7439-96-5	Manganese	4.20	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1501
ENV99-03	E9901953	106-9-000834	Liver	Primary	7439-89-6	Iron	160	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1501
ENV99-03	E9901953	106-9-000834	Liver	Primary	7440-50-8	Copper	31.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1501
ENV99-03	E9901954	106-9-002669	Liver	Triplicate	7439-98-7	Molybdenum	1.500	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1505
ENV99-03	E9901954	106-9-002669	Liver	Triplicate	7440-66-6	Zinc	33	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1505
ENV99-03	E9901954	106-9-002669	Liver	Triplicate	7440-43-9	Cadmium	0.380	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1505
ENV99-03	E9901954	106-9-002669	Liver	Triplicate	7439-92-1	Lead	-0.2285	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/21/2000	1029
ENV99-03	E9901954	106-9-002669	Liver	Triplicate	7439-96-5	Manganese	3.40	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1505
ENV99-03	E9901954	106-9-002669	Liver	Triplicate	7439-89-6	Iron	120	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1505
ENV99-03	E9901954	106-9-002669	Liver	Triplicate	7440-50-8	Copper	24.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1505
ENV99-03	E9901954-2	106-9-002669	Liver	Triplicate	7439-98-7	Molybdenum	1.400	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1508
ENV99-03	E9901954-2	106-9-002669	Liver	Triplicate	7440-66-6	Zinc	32	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1508
ENV99-03	E9901954-2	106-9-002669	Liver	Triplicate	7440-43-9	Cadmium	0.340	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1508
ENV99-03	E9901954-2	106-9-002669	Liver	Triplicate	7439-92-1	Lead	0.52	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/21/2000	1031
ENV99-03	E9901954-2	106-9-002669	Liver	Triplicate	7439-96-5	Manganese	3.10	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1508
ENV99-03	E9901954-2	106-9-002669	Liver	Triplicate	7439-89-6	Iron	130	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1508
ENV99-03	E9901954-2	106-9-002669	Liver	Triplicate	7440-50-8	Copper	14.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1508
ENV99-03	E9901954-3	106-9-002669	Liver	Triplicate	7439-98-7	Molybdenum	1.600	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1511
ENV99-03	E9901954-3	106-9-002669	Liver	Triplicate	7440-66-6	Zinc	38	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1511
ENV99-03	E9901954-3	106-9-002669	Liver	Triplicate	7440-43-9	Cadmium	0.450	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1511
ENV99-03	E9901954-3	106-9-002669	Liver	Triplicate	7439-92-1	Lead	0.0578	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/21/2000	1038
ENV99-03	E9901954-3	106-9-002669	Liver	Triplicate	7439-96-5	Manganese	4.20	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1511
ENV99-03	E9901954-3	106-9-002669	Liver	Triplicate	7439-89-6	Iron	180	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1511
ENV99-03	E9901954-3	106-9-002669	Liver	Triplicate	7440-50-8	Copper	17.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1511
ENV99-03	E9901954MS	106-9-002669-MS	Liver	MS	7440-43-9	Cadmium	113			%	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1515
ENV99-03	E9901955	106-9-009604	Liver	Primary	7439-98-7	Molybdenum	1.500	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1518
ENV99-03	E9901955	106-9-009604	Liver	Primary	7440-66-6	Zinc	24	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1518
ENV99-03	E9901955	106-9-009604	Liver	Primary	7440-43-9	Cadmium	0.240	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1518
ENV99-03	E9901955	106-9-009604	Liver	Primary	7439-92-1	Lead	-0.0301	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/21/2000	1042
ENV99-03	E9901955	106-9-009604	Liver	Primary	7439-96-5	Manganese	2.80	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1518

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
TRACE METALS BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV99-03	E9901955	106-9-009604	Liver	Primary	7439-89-6	Iron	220	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1518
ENV99-03	E9901955	106-9-009604	Liver	Primary	7440-50-8	Copper	34.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1518
ENV99-03	E9901978B	Laboratory Blank	Lab QC	BLANK	7439-98-7	Molybdenum	-0.0033	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1529
ENV99-03	E9901978B	Laboratory Blank	Lab QC	BLANK	7440-66-6	Zinc	-0.0074	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1529
ENV99-03	E9901978B	Laboratory Blank	Lab QC	BLANK	7440-43-9	Cadmium	-0.0080	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1529
ENV99-03	E9901978B	Laboratory Blank	Lab QC	BLANK	7439-92-1	Lead	-0.0458	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/21/2000	1046
ENV99-03	E9901978B	Laboratory Blank	Lab QC	BLANK	7439-96-5	Manganese	0.0005	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1529
ENV99-03	E9901978B	Laboratory Blank	Lab QC	BLANK	7439-89-6	Iron	-0.1889	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1529
ENV99-03	E9901978B	Laboratory Blank	Lab QC	BLANK	7440-50-8	Copper	-0.0683	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1529
ENV99-03	E9901978BS	Lab. Blank Spike	Lab QC	BS	7440-43-9	Cadmium	85			%	Wet Wt	1			11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1532
ENV99-03	E9901978CS	Check Standard	Lab QC	CS	7439-98-7	Molybdenum	0.980	0.09	EDL	ug/g	Wet Wt	1	1	98	11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1536
ENV99-03	E9901978CS	Check Standard	Lab QC	CS	7440-66-6	Zinc	5.0	0.01	EDL	ug/g	Wet Wt	1	5	100	11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1536
ENV99-03	E9901978CS	Check Standard	Lab QC	CS	7440-43-9	Cadmium	0.970	0.02	EDL	ug/g	Wet Wt	1	1	97	11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1536
ENV99-03	E9901978CS	Check Standard	Lab QC	CS	7439-92-1	Lead	5.00	0.23	EDL	ug/g	Wet Wt	1	5	100	11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/21/2000	1050
ENV99-03	E9901978CS	Check Standard	Lab QC	CS	7439-96-5	Manganese	4.90	0.01	EDL	ug/g	Wet Wt	1	5	98	11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1536
ENV99-03	E9901978CS	Check Standard	Lab QC	CS	7439-89-6	Iron	5.6	0.04	EDL	ug/g	Wet Wt	1	5	112	11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1536
ENV99-03	E9901978CS	Check Standard	Lab QC	CS	7440-50-8	Copper	5.5	0.03	EDL	ug/g	Wet Wt	1	5	110	11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1536
ENV99-03	E9901978SR	House Ref. Liver	Tissue	HRL	7439-98-7	Molybdenum	2.400	0.09	EDL	ug/g	Wet Wt	1	3.17	76	11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1539
ENV99-03	E9901978SR	House Ref. Liver	Tissue	HRL	7440-66-6	Zinc	120	0.01	EDL	ug/g	Wet Wt	1	120	100	11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1539
ENV99-03	E9901978SR	House Ref. Liver	Tissue	HRL	7440-43-9	Cadmium	56.000	0.02	EDL	ug/g	Wet Wt	1	54.3	103	11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1539
ENV99-03	E9901978SR	House Ref. Liver	Tissue	HRL	7439-92-1	Lead	50.00	0.23	EDL	ug/g	Wet Wt	1	48	104	11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/21/2000	1052
ENV99-03	E9901978SR	House Ref. Liver	Tissue	HRL	7439-96-5	Manganese	12.00	0.01	EDL	ug/g	Wet Wt	1	10.1	119	11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1539
ENV99-03	E9901978SR	House Ref. Liver	Tissue	HRL	7439-89-6	Iron	210	0.04	EDL	ug/g	Wet Wt	1	183	115	11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1539
ENV99-03	E9901978SR	House Ref. Liver	Tissue	HRL	7440-50-8	Copper	140.0	0.03	EDL	ug/g	Wet Wt	1	123	114	11/12/1999	ICP - AES	HMICP_01-20-00	0120HMS/2	1/4/2000	1/20/2000	1539
ENV99-01	E9901697B	Laboratory Blank	Lab QC	BLANK	7439-98-7	Molybdenum	0.0095	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1318
ENV99-01	E9901697B	Laboratory Blank	Lab QC	BLANK	7440-66-6	Zinc	-0.0291	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1318
ENV99-01	E9901697B	Laboratory Blank	Lab QC	BLANK	7440-43-9	Cadmium	-0.0040	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1318
ENV99-01	E9901697B	Laboratory Blank	Lab QC	BLANK	7439-92-1	Lead	0.0073	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1318
ENV99-01	E9901697B	Laboratory Blank	Lab QC	BLANK	7439-96-5	Manganese	-0.0004	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1318
ENV99-01	E9901697B	Laboratory Blank	Lab QC	BLANK	7439-89-6	Iron	0.0010	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1318
ENV99-01	E9901697B	Laboratory Blank	Lab QC	BLANK	7440-50-8	Copper	0.0425	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1318
ENV99-01	E9901697BS	Lab. Blank Spike	Lab QC	BS	7440-43-9	Cadmium	94			%	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1322
ENV99-01	E9901697CS	Check Standard	Lab QC	CS	7439-98-7	Molybdenum	0.970	0.09	EDL	ug/g	Wet Wt	1	1	97	11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1325
ENV99-01	E9901697CS	Check Standard	Lab QC	CS	7440-66-6	Zinc	5.1	0.01	EDL	ug/g	Wet Wt	1	5	102	11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1325
ENV99-01	E9901697CS	Check Standard	Lab QC	CS	7440-43-9	Cadmium	0.990	0.02	EDL	ug/g	Wet Wt	1	1	99	11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1325
ENV99-01	E9901697CS	Check Standard	Lab QC	CS	7439-92-1	Lead	5.10	0.23	EDL	ug/g	Wet Wt	1	5	102	11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1325
ENV99-01	E9901697CS	Check Standard	Lab QC	CS	7439-96-5	Manganese	5.00	0.01	EDL	ug/g	Wet Wt	1	5	100	11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1325
ENV99-01	E9901697CS	Check Standard	Lab QC	CS	7439-89-6	Iron	5.2	0.04	EDL	ug/g	Wet Wt	1	5	104	11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1325
ENV99-01	E9901697CS	Check Standard	Lab QC	CS	7440-50-8	Copper	5.0	0.03	EDL	ug/g	Wet Wt	1	5	100	11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1325
ENV99-01	E9901697SR	House Ref. Liver	Tissue	HRL	7439-98-7	Molybdenum	3.600	0.09	EDL	ug/g	Wet Wt	1	3.17	114	11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1329
ENV99-01	E9901697SR	House Ref. Liver	Tissue	HRL	7440-66-6	Zinc	120	0.01	EDL	ug/g	Wet Wt	1	120	100	11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1329
ENV99-01	E9901697SR	House Ref. Liver	Tissue	HRL	7440-43-9	Cadmium	54.000	0.02	EDL	ug/g	Wet Wt	1	54.3	99	11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1329
ENV99-01	E9901697SR	House Ref. Liver	Tissue	HRL	7439-92-1	Lead	47.00	0.23	EDL	ug/g	Wet Wt	1	48	98	11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1329
ENV99-01	E9901697SR	House Ref. Liver	Tissue	HRL	7439-96-5	Manganese	11.00	0.01	EDL	ug/g	Wet Wt	1	10.1	109	11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1329
ENV99-01	E9901697SR	House Ref. Liver	Tissue	HRL	7439-89-6	Iron	200	0.04	EDL	ug/g	Wet Wt	1	183	109	11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1329
ENV99-01	E9901697SR	House Ref. Liver	Tissue	HRL	7440-50-8	Copper	130.0	0.03	EDL	ug/g	Wet Wt	1	123	106	11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1329
ENV99-01	E9901697	102-9-010303	Liver	Primary	7439-98-7	Molybdenum	1.600	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1332
ENV99-01	E9901697	102-9-010303	Liver	Primary	7440-66-6	Zinc	22	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1332
ENV99-01	E9901697	102-9-010303	Liver	Primary	7440-43-9	Cadmium	0.230	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1332
ENV99-01	E9901697	102-9-010303	Liver	Primary	7439-92-1	Lead	0.32	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1332
ENV99-01	E9901697	102-9-010303	Liver	Primary	7439-96-5	Manganese	3.00	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1332
ENV99-01	E9901697	102-9-010303	Liver	Primary	7439-89-6	Iron	100	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1332

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
TRACE METALS BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV99-01	E9901697	102-9-010303	Liver	Primary	7440-50-8	Copper	8.4	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1332
ENV99-01	E9901698	102-9-012019	Liver	Primary	7439-98-7	Molybdenum	1.200	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1335
ENV99-01	E9901698	102-9-012019	Liver	Primary	7440-66-6	Zinc	25	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1335
ENV99-01	E9901698	102-9-012019	Liver	Primary	7440-43-9	Cadmium	0.310	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1335
ENV99-01	E9901698	102-9-012019	Liver	Primary	7439-92-1	Lead	0.1626	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1335
ENV99-01	E9901698	102-9-012019	Liver	Primary	7439-96-5	Manganese	3.30	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1335
ENV99-01	E9901698	102-9-012019	Liver	Primary	7439-89-6	Iron	300	0.04	EDL	ug/g	Wet Wt	2			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1335
ENV99-01	E9901698	102-9-012019	Liver	Primary	7440-50-8	Copper	27.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1335
ENV99-01	E9901699D	104-9-001284	Liver	Lab Duplicate	7439-98-7	Molybdenum	0.830	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1339
ENV99-01	E9901699D	104-9-001284	Liver	Lab Duplicate	7440-66-6	Zinc	22	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1339
ENV99-01	E9901699D	104-9-001284	Liver	Lab Duplicate	7440-43-9	Cadmium	0.250	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1339
ENV99-01	E9901699D	104-9-001284	Liver	Lab Duplicate	7439-92-1	Lead	-0.1323	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1339
ENV99-01	E9901699D	104-9-001284	Liver	Lab Duplicate	7439-96-5	Manganese	1.60	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1339
ENV99-01	E9901699D	104-9-001284	Liver	Lab Duplicate	7439-89-6	Iron	200	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1339
ENV99-01	E9901699D	104-9-001284	Liver	Lab Duplicate	7440-50-8	Copper	22.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1339
ENV99-01	E9901699	104-9-001284	Liver	Primary	7439-98-7	Molybdenum	0.900	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1342
ENV99-01	E9901699	104-9-001284	Liver	Primary	7440-66-6	Zinc	22	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1342
ENV99-01	E9901699	104-9-001284	Liver	Primary	7440-43-9	Cadmium	0.280	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1342
ENV99-01	E9901699	104-9-001284	Liver	Primary	7439-92-1	Lead	0.61	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1342
ENV99-01	E9901699	104-9-001284	Liver	Primary	7439-96-5	Manganese	1.60	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1342
ENV99-01	E9901699	104-9-001284	Liver	Primary	7439-89-6	Iron	200	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1342
ENV99-01	E9901699	104-9-001284	Liver	Primary	7440-50-8	Copper	21.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1342
ENV99-01	E9901700	104-9-005505	Liver	Triplicate	7439-98-7	Molybdenum	1.400	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1345
ENV99-01	E9901700	104-9-005505	Liver	Triplicate	7440-66-6	Zinc	29	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1345
ENV99-01	E9901700	104-9-005505	Liver	Triplicate	7440-43-9	Cadmium	0.210	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1345
ENV99-01	E9901700	104-9-005505	Liver	Triplicate	7439-92-1	Lead	-0.1534	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1345
ENV99-01	E9901700	104-9-005505	Liver	Triplicate	7439-96-5	Manganese	3.20	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1345
ENV99-01	E9901700	104-9-005505	Liver	Triplicate	7439-89-6	Iron	77	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1345
ENV99-01	E9901700	104-9-005505	Liver	Triplicate	7440-50-8	Copper	23.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1345
ENV99-01	E9901700-2	104-9-005505	Liver	Triplicate	7439-98-7	Molybdenum	1.100	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1349
ENV99-01	E9901700-2	104-9-005505	Liver	Triplicate	7440-66-6	Zinc	27	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1349
ENV99-01	E9901700-2	104-9-005505	Liver	Triplicate	7440-43-9	Cadmium	0.220	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1349
ENV99-01	E9901700-2	104-9-005505	Liver	Triplicate	7439-92-1	Lead	0.83	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1349
ENV99-01	E9901700-2	104-9-005505	Liver	Triplicate	7439-96-5	Manganese	3.10	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1349
ENV99-01	E9901700-2	104-9-005505	Liver	Triplicate	7439-89-6	Iron	77	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1349
ENV99-01	E9901700-2	104-9-005505	Liver	Triplicate	7440-50-8	Copper	18.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1349
ENV99-01	E9901700-3	104-9-005505	Liver	Triplicate	7439-98-7	Molybdenum	1.000	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1352
ENV99-01	E9901700-3	104-9-005505	Liver	Triplicate	7440-66-6	Zinc	26	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1352
ENV99-01	E9901700-3	104-9-005505	Liver	Triplicate	7440-43-9	Cadmium	0.200	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1352
ENV99-01	E9901700-3	104-9-005505	Liver	Triplicate	7439-92-1	Lead	-0.1463	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1352
ENV99-01	E9901700-3	104-9-005505	Liver	Triplicate	7439-96-5	Manganese	3.10	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1352
ENV99-01	E9901700-3	104-9-005505	Liver	Triplicate	7439-89-6	Iron	72	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1352
ENV99-01	E9901700-3	104-9-005505	Liver	Triplicate	7440-50-8	Copper	22.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1352
ENV99-01	E9901700MS	104-9-005505-MS	Liver	MS	7440-43-9	Cadmium	97			%	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1355
ENV99-01	E9901701	104-9-006297	Liver	Primary	7439-98-7	Molybdenum	0.850	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1359
ENV99-01	E9901701	104-9-006297	Liver	Primary	7440-66-6	Zinc	22	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1359
ENV99-01	E9901701	104-9-006297	Liver	Primary	7440-43-9	Cadmium	0.210	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1359
ENV99-01	E9901701	104-9-006297	Liver	Primary	7439-92-1	Lead	0.56	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1359
ENV99-01	E9901701	104-9-006297	Liver	Primary	7439-96-5	Manganese	2.20	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1359
ENV99-01	E9901701	104-9-006297	Liver	Primary	7439-89-6	Iron	200	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1359
ENV99-01	E9901701	104-9-006297	Liver	Primary	7440-50-8	Copper	9.6	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1359
ENV99-01	E9901702	104-9-008160	Liver	Primary	7439-98-7	Molybdenum	1.400	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1402

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
TRACE METALS BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV99-01	E9901702	104-9-008160	Liver	Primary	7440-66-6	Zinc	22	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1402
ENV99-01	E9901702	104-9-008160	Liver	Primary	7440-43-9	Cadmium	0.340	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1402
ENV99-01	E9901702	104-9-008160	Liver	Primary	7439-92-1	Lead	0.30	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1402
ENV99-01	E9901702	104-9-008160	Liver	Primary	7439-96-5	Manganese	2.80	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1402
ENV99-01	E9901702	104-9-008160	Liver	Primary	7439-89-6	Iron	91	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1402
ENV99-01	E9901702	104-9-008160	Liver	Primary	7440-50-8	Copper	37.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1402
ENV99-01	E9901703	104-9-009499	Liver	Primary	7439-98-7	Molybdenum	1.300	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1405
ENV99-01	E9901703	104-9-009499	Liver	Primary	7440-66-6	Zinc	24	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1405
ENV99-01	E9901703	104-9-009499	Liver	Primary	7440-43-9	Cadmium	0.320	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1405
ENV99-01	E9901703	104-9-009499	Liver	Primary	7439-92-1	Lead	0.33	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1405
ENV99-01	E9901703	104-9-009499	Liver	Primary	7439-96-5	Manganese	2.40	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1405
ENV99-01	E9901703	104-9-009499	Liver	Primary	7439-89-6	Iron	310	0.04	EDL	ug/g	Wet Wt	2			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1405
ENV99-01	E9901703	104-9-009499	Liver	Primary	7440-50-8	Copper	40.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1405
ENV99-01	E9901703B	Laboratory Blank	Lab QC	BLANK	7439-98-7	Molybdenum	-0.0009	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP_ AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1409
ENV99-01	E9901703B	Laboratory Blank	Lab QC	BLANK	7440-66-6	Zinc	-0.0293	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1409
ENV99-01	E9901703B	Laboratory Blank	Lab QC	BLANK	7440-43-9	Cadmium	-0.0018	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1409
ENV99-01	E9901703B	Laboratory Blank	Lab QC	BLANK	7439-92-1	Lead	0.0202	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1409
ENV99-01	E9901703B	Laboratory Blank	Lab QC	BLANK	7439-96-5	Manganese	-0.0009	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1409
ENV99-01	E9901703B	Laboratory Blank	Lab QC	BLANK	7439-89-6	Iron	-0.0195	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1409
ENV99-01	E9901703B	Laboratory Blank	Lab QC	BLANK	7440-50-8	Copper	0.0450	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1409
ENV99-01	E9901703BS	Lab. Blank Spike	Lab QC	BS	7440-43-9	Cadmium	92			%	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1412
ENV99-01	E9901703CS	Check Standard	Lab QC	CS	7439-98-7	Molybdenum	0.960	0.09	EDL	ug/g	Wet Wt	1	1	96	11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1416
ENV99-01	E9901703CS	Check Standard	Lab QC	CS	7440-66-6	Zinc	4.9	0.01	EDL	ug/g	Wet Wt	1	5	98	11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1416
ENV99-01	E9901703CS	Check Standard	Lab QC	CS	7440-43-9	Cadmium	0.970	0.02	EDL	ug/g	Wet Wt	1	1	97	11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1416
ENV99-01	E9901703CS	Check Standard	Lab QC	CS	7439-92-1	Lead	4.90	0.23	EDL	ug/g	Wet Wt	1	5	98	11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1416
ENV99-01	E9901703CS	Check Standard	Lab QC	CS	7439-96-5	Manganese	5.00	0.01	EDL	ug/g	Wet Wt	1	5	100	11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1416
ENV99-01	E9901703CS	Check Standard	Lab QC	CS	7439-89-6	Iron	5.0	0.04	EDL	ug/g	Wet Wt	1	5	100	11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1416
ENV99-01	E9901703CS	Check Standard	Lab QC	CS	7440-50-8	Copper	5.0	0.03	EDL	ug/g	Wet Wt	1	5	100	11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1416
ENV99-01	E9901703SR	House Ref. Liver	Tissue	HRL	7439-98-7	Molybdenum	4.000	0.09	EDL	ug/g	Wet Wt	1	3.17	126	11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1419
ENV99-01	E9901703SR	House Ref. Liver	Tissue	HRL	7440-66-6	Zinc	120	0.01	EDL	ug/g	Wet Wt	1	120	100	11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1419
ENV99-01	E9901703SR	House Ref. Liver	Tissue	HRL	7440-43-9	Cadmium	53.000	0.02	EDL	ug/g	Wet Wt	1	54.3	98	11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1419
ENV99-01	E9901703SR	House Ref. Liver	Tissue	HRL	7439-92-1	Lead	48.00	0.23	EDL	ug/g	Wet Wt	1	48	100	11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1419
ENV99-01	E9901703SR	House Ref. Liver	Tissue	HRL	7439-96-5	Manganese	11.00	0.01	EDL	ug/g	Wet Wt	1	10.1	109	11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1419
ENV99-01	E9901703SR	House Ref. Liver	Tissue	HRL	7439-89-6	Iron	200	0.04	EDL	ug/g	Wet Wt	1	183	109	11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1419
ENV99-01	E9901703SR	House Ref. Liver	Tissue	HRL	7440-50-8	Copper	130.0	0.03	EDL	ug/g	Wet Wt	1	123	106	11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1419
ENV99-01	E9901704	104-9-011485	Liver	Primary	7439-98-7	Molybdenum	1.300	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1422
ENV99-01	E9901704	104-9-011485	Liver	Primary	7440-66-6	Zinc	27	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1422
ENV99-01	E9901704	104-9-011485	Liver	Primary	7440-43-9	Cadmium	0.450	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1422
ENV99-01	E9901704	104-9-011485	Liver	Primary	7439-92-1	Lead	0.31	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1422
ENV99-01	E9901704	104-9-011485	Liver	Primary	7439-96-5	Manganese	2.80	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1422
ENV99-01	E9901704	104-9-011485	Liver	Primary	7439-89-6	Iron	66	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1422
ENV99-01	E9901704	104-9-011485	Liver	Primary	7440-50-8	Copper	7.3	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1422
ENV99-01	E9901705	105-9-000606	Liver	Primary	7439-98-7	Molybdenum	1.300	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1426
ENV99-01	E9901705	105-9-000606	Liver	Primary	7440-66-6	Zinc	24	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1426
ENV99-01	E9901705	105-9-000606	Liver	Primary	7440-43-9	Cadmium	0.670	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1426
ENV99-01	E9901705	105-9-000606	Liver	Primary	7439-92-1	Lead	0.59	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1426
ENV99-01	E9901705	105-9-000606	Liver	Primary	7439-96-5	Manganese	3.70	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1426
ENV99-01	E9901705	105-9-000606	Liver	Primary	7439-89-6	Iron	110	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1426
ENV99-01	E9901705	105-9-000606	Liver	Primary	7440-50-8	Copper	32.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1426
ENV99-01	E9901706	105-9-006076	Liver	Primary	7439-98-7	Molybdenum	1.500	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1429
ENV99-01	E9901706	105-9-006076	Liver	Primary	7440-66-6	Zinc	25	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1429
ENV99-01	E9901706	105-9-006076	Liver	Primary	7440-43-9	Cadmium	0.240	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1429

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
TRACE METALS BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV99-01	E9901706	105-9-006076	Liver	Primary	7439-92-1	Lead	-0.3806	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1429
ENV99-01	E9901706	105-9-006076	Liver	Primary	7439-96-5	Manganese	2.90	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1429
ENV99-01	E9901706	105-9-006076	Liver	Primary	7439-89-6	Iron	170	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1429
ENV99-01	E9901706	105-9-006076	Liver	Primary	7440-50-8	Copper	52.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1429
ENV99-01	E9901707	105-9-006125	Liver	Triplicate	7439-98-7	Molybdenum	1.100	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1432
ENV99-01	E9901707	105-9-006125	Liver	Triplicate	7440-66-6	Zinc	31	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1432
ENV99-01	E9901707	105-9-006125	Liver	Triplicate	7440-43-9	Cadmium	0.420	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1432
ENV99-01	E9901707	105-9-006125	Liver	Triplicate	7439-92-1	Lead	-0.1813	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1432
ENV99-01	E9901707	105-9-006125	Liver	Triplicate	7439-96-5	Manganese	3.40	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1432
ENV99-01	E9901707	105-9-006125	Liver	Triplicate	7439-89-6	Iron	210	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1432
ENV99-01	E9901707	105-9-006125	Liver	Triplicate	7440-50-8	Copper	31.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1432
ENV99-01	E9901707-2	105-9-006125	Liver	Triplicate	7439-98-7	Molybdenum	1.200	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1439
ENV99-01	E9901707-2	105-9-006125	Liver	Triplicate	7440-66-6	Zinc	31	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1439
ENV99-01	E9901707-2	105-9-006125	Liver	Triplicate	7440-43-9	Cadmium	0.510	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1439
ENV99-01	E9901707-2	105-9-006125	Liver	Triplicate	7439-92-1	Lead	-0.2557	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1439
ENV99-01	E9901707-2	105-9-006125	Liver	Triplicate	7439-96-5	Manganese	3.70	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1439
ENV99-01	E9901707-2	105-9-006125	Liver	Triplicate	7439-89-6	Iron	230	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1439
ENV99-01	E9901707-2	105-9-006125	Liver	Triplicate	7440-50-8	Copper	33.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1439
ENV99-01	E9901707-3	105-9-006125	Liver	Triplicate	7439-98-7	Molybdenum	1.100	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1439
ENV99-01	E9901707-3	105-9-006125	Liver	Triplicate	7440-66-6	Zinc	31	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1439
ENV99-01	E9901707-3	105-9-006125	Liver	Triplicate	7440-43-9	Cadmium	0.430	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1439
ENV99-01	E9901707-3	105-9-006125	Liver	Triplicate	7439-92-1	Lead	0.0348	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1439
ENV99-01	E9901707-3	105-9-006125	Liver	Triplicate	7439-96-5	Manganese	3.60	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1439
ENV99-01	E9901707-3	105-9-006125	Liver	Triplicate	7439-89-6	Iron	220	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1439
ENV99-01	E9901707-3	105-9-006125	Liver	Triplicate	7440-50-8	Copper	33.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1439
ENV99-01	E9901707MS	105-9-006125-MS	Liver	MS	7440-43-9	Cadmium	100			%	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1442
ENV99-01	E9901708	106-9-001250	Liver	Primary	7439-98-7	Molybdenum	2.000	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1446
ENV99-01	E9901708	106-9-001250	Liver	Primary	7440-66-6	Zinc	32	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1446
ENV99-01	E9901708	106-9-001250	Liver	Primary	7440-43-9	Cadmium	0.830	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1446
ENV99-01	E9901708	106-9-001250	Liver	Primary	7439-92-1	Lead	-0.1554	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1446
ENV99-01	E9901708	106-9-001250	Liver	Primary	7439-96-5	Manganese	4.20	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1446
ENV99-01	E9901708	106-9-001250	Liver	Primary	7439-89-6	Iron	140	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1446
ENV99-01	E9901708	106-9-001250	Liver	Primary	7440-50-8	Copper	34.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1446
ENV99-01	E9901711D	106-9-006628	Liver	Lab Duplicate	7439-98-7	Molybdenum	1.500	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1449
ENV99-01	E9901711D	106-9-006628	Liver	Lab Duplicate	7440-66-6	Zinc	58	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1449
ENV99-01	E9901711D	106-9-006628	Liver	Lab Duplicate	7440-43-9	Cadmium	1.600	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1449
ENV99-01	E9901711D	106-9-006628	Liver	Lab Duplicate	7439-92-1	Lead	-0.1191	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1449
ENV99-01	E9901711D	106-9-006628	Liver	Lab Duplicate	7439-96-5	Manganese	3.20	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1449
ENV99-01	E9901711D	106-9-006628	Liver	Lab Duplicate	7439-89-6	Iron	120	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1449
ENV99-01	E9901711D	106-9-006628	Liver	Lab Duplicate	7440-50-8	Copper	42.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1449
ENV99-01	E9901711	106-9-006628	Liver	Primary	7439-98-7	Molybdenum	1.100	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1452
ENV99-01	E9901711	106-9-006628	Liver	Primary	7440-66-6	Zinc	57	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1452
ENV99-01	E9901711	106-9-006628	Liver	Primary	7440-43-9	Cadmium	1.700	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1452
ENV99-01	E9901711	106-9-006628	Liver	Primary	7439-92-1	Lead	0.2297	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1452
ENV99-01	E9901711	106-9-006628	Liver	Primary	7439-96-5	Manganese	3.20	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1452
ENV99-01	E9901711	106-9-006628	Liver	Primary	7439-89-6	Iron	120	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1452
ENV99-01	E9901711	106-9-006628	Liver	Primary	7440-50-8	Copper	40.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1452
ENV99-01	E9901712	106-9-007118	Liver	Primary	7439-98-7	Molybdenum	1.600	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1456
ENV99-01	E9901712	106-9-007118	Liver	Primary	7440-66-6	Zinc	24	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1456
ENV99-01	E9901712	106-9-007118	Liver	Primary	7440-43-9	Cadmium	0.160	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1456
ENV99-01	E9901712	106-9-007118	Liver	Primary	7439-92-1	Lead	-0.3758	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1456
ENV99-01	E9901712	106-9-007118	Liver	Primary	7439-96-5	Manganese	3.50	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1456

ATTACHMENT A
MW ENV 1999-2000 (ECOTISSUE) DATA
TRACE METALS BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV99-01	E9901712	106-9-007118	Liver	Primary	7439-89-6	Iron	130	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1456
ENV99-01	E9901712	106-9-007118	Liver	Primary	7440-50-8	Copper	10.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1456
ENV99-01	E9901714	106-9-010309	Liver	Primary	7439-98-7	Molybdenum	1.600	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1459
ENV99-01	E9901714	106-9-010309	Liver	Primary	7440-66-6	Zinc	27	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1459
ENV99-01	E9901714	106-9-010309	Liver	Primary	7440-43-9	Cadmium	0.230	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1459
ENV99-01	E9901714	106-9-010309	Liver	Primary	7439-92-1	Lead	-0.0336	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1459
ENV99-01	E9901714	106-9-010309	Liver	Primary	7439-96-5	Manganese	2.90	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1459
ENV99-01	E9901714	106-9-010309	Liver	Primary	7439-89-6	Iron	130	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1459
ENV99-01	E9901714	106-9-010309	Liver	Primary	7440-50-8	Copper	49.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1459
ENV99-01	E9901714B	Laboratory Blank	Lab QC	BLANK	7439-98-7	Molybdenum	-0.0118	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1503
ENV99-01	E9901714B	Laboratory Blank	Lab QC	BLANK	7440-66-6	Zinc	-0.0461	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1503
ENV99-01	E9901714B	Laboratory Blank	Lab QC	BLANK	7440-43-9	Cadmium	-0.0003	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1503
ENV99-01	E9901714B	Laboratory Blank	Lab QC	BLANK	7439-92-1	Lead	0.0068	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1503
ENV99-01	E9901714B	Laboratory Blank	Lab QC	BLANK	7439-96-5	Manganese	-0.0007	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1503
ENV99-01	E9901714B	Laboratory Blank	Lab QC	BLANK	7439-89-6	Iron	-0.0160	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1503
ENV99-01	E9901714B	Laboratory Blank	Lab QC	BLANK	7440-50-8	Copper	0.0441	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1503
ENV99-01	E9901714BS	Lab. Blank Spike	Lab QC	BS	7440-43-9	Cadmium	88			%	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1507
ENV99-01	E9901714CS	Check Standard	Lab QC	CS	7439-98-7	Molybdenum	0.970	0.09	EDL	ug/g	Wet Wt	1	1	97	11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1510
ENV99-01	E9901714CS	Check Standard	Lab QC	CS	7440-66-6	Zinc	5.1	0.01	EDL	ug/g	Wet Wt	1	5	102	11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1510
ENV99-01	E9901714CS	Check Standard	Lab QC	CS	7440-43-9	Cadmium	0.960	0.02	EDL	ug/g	Wet Wt	1	1	96	11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1510
ENV99-01	E9901714CS	Check Standard	Lab QC	CS	7439-92-1	Lead	5.20	0.23	EDL	ug/g	Wet Wt	1	5	104	11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1510
ENV99-01	E9901714CS	Check Standard	Lab QC	CS	7439-96-5	Manganese	5.10	0.01	EDL	ug/g	Wet Wt	1	5	102	11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1510
ENV99-01	E9901714CS	Check Standard	Lab QC	CS	7439-89-6	Iron	5.3	0.04	EDL	ug/g	Wet Wt	1	5	106	11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1510
ENV99-01	E9901714CS	Check Standard	Lab QC	CS	7440-50-8	Copper	5.3	0.03	EDL	ug/g	Wet Wt	1	5	106	11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1510
ENV99-01	E9901714SR	House Ref. Liver	Tissue	HRL	7439-98-7	Molybdenum	3.600	0.09	EDL	ug/g	Wet Wt	1	3.17	114	11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1514
ENV99-01	E9901714SR	House Ref. Liver	Tissue	HRL	7440-66-6	Zinc	120	0.01	EDL	ug/g	Wet Wt	1	120	100	11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1514
ENV99-01	E9901714SR	House Ref. Liver	Tissue	HRL	7440-43-9	Cadmium	53.000	0.02	EDL	ug/g	Wet Wt	1	54.3	98	11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1514
ENV99-01	E9901714SR	House Ref. Liver	Tissue	HRL	7439-92-1	Lead	51.00	0.23	EDL	ug/g	Wet Wt	1	48	106	11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1514
ENV99-01	E9901714SR	House Ref. Liver	Tissue	HRL	7439-96-5	Manganese	11.00	0.01	EDL	ug/g	Wet Wt	1	10.1	109	11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1514
ENV99-01	E9901714SR	House Ref. Liver	Tissue	HRL	7439-89-6	Iron	200	0.04	EDL	ug/g	Wet Wt	1	183	109	11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1514
ENV99-01	E9901714SR	House Ref. Liver	Tissue	HRL	7440-50-8	Copper	130.0	0.03	EDL	ug/g	Wet Wt	1	123	106	11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1514
ENV99-01	E9901681	101-9-074150	Liver	Primary	7439-98-7	Molybdenum	1.400	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1517
ENV99-01	E9901681	101-9-074150	Liver	Primary	7440-66-6	Zinc	27	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1517
ENV99-01	E9901681	101-9-074150	Liver	Primary	7440-43-9	Cadmium	0.180	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1517
ENV99-01	E9901681	101-9-074150	Liver	Primary	7439-92-1	Lead	0.42	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1517
ENV99-01	E9901681	101-9-074150	Liver	Primary	7439-96-5	Manganese	2.40	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1517
ENV99-01	E9901681	101-9-074150	Liver	Primary	7439-89-6	Iron	190	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1517
ENV99-01	E9901681	101-9-074150	Liver	Primary	7440-50-8	Copper	35.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1517
ENV99-01	E9901682	101-9-074844	Liver	Primary	7439-98-7	Molybdenum	1.800	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1520
ENV99-01	E9901682	101-9-074844	Liver	Primary	7440-66-6	Zinc	26	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1520
ENV99-01	E9901682	101-9-074844	Liver	Primary	7440-43-9	Cadmium	0.460	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1520
ENV99-01	E9901682	101-9-074844	Liver	Primary	7439-92-1	Lead	0.1675	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1520
ENV99-01	E9901682	101-9-074844	Liver	Primary	7439-96-5	Manganese	2.60	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1520
ENV99-01	E9901682	101-9-074844	Liver	Primary	7439-89-6	Iron	310	0.04	EDL	ug/g	Wet Wt	2			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1520
ENV99-01	E9901682	101-9-074844	Liver	Primary	7440-50-8	Copper	40.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1520
ENV99-01	E9901683	101-9-075567	Liver	Primary	7439-98-7	Molybdenum	1.200	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1524
ENV99-01	E9901683	101-9-075567	Liver	Primary	7440-66-6	Zinc	20	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1524
ENV99-01	E9901683	101-9-075567	Liver	Primary	7440-43-9	Cadmium	0.310	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1524
ENV99-01	E9901683	101-9-075567	Liver	Primary	7439-92-1	Lead	-0.0965	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1524
ENV99-01	E9901683	101-9-075567	Liver	Primary	7439-96-5	Manganese	2.30	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1524
ENV99-01	E9901683	101-9-075567	Liver	Primary	7439-89-6	Iron	170	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1524
ENV99-01	E9901683	101-9-075567	Liver	Primary	7440-50-8	Copper	38.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1524

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
TRACE METALS BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV99-01	E9901684	101-9-081312	Liver	Primary	7439-98-7	Molybdenum	1.800	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1527
ENV99-01	E9901684	101-9-081312	Liver	Primary	7440-66-6	Zinc	29	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1527
ENV99-01	E9901684	101-9-081312	Liver	Primary	7440-43-9	Cadmium	0.340	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1527
ENV99-01	E9901684	101-9-081312	Liver	Primary	7439-92-1	Lead	-0.3226	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1527
ENV99-01	E9901684	101-9-081312	Liver	Primary	7439-96-5	Manganese	4.60	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1527
ENV99-01	E9901684	101-9-081312	Liver	Primary	7439-89-6	Iron	350	0.04	EDL	ug/g	Wet Wt	2			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1527
ENV99-01	E9901684	101-9-081312	Liver	Primary	7440-50-8	Copper	39.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1527
ENV99-01	E9901685	101-9-082092	Liver	Triplicate	7439-98-7	Molybdenum	1.400	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1700
ENV99-01	E9901685	101-9-082092	Liver	Triplicate	7440-66-6	Zinc	24	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1700
ENV99-01	E9901685	101-9-082092	Liver	Triplicate	7440-43-9	Cadmium	0.850	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1700
ENV99-01	E9901685	101-9-082092	Liver	Triplicate	7439-92-1	Lead	0.2159	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1700
ENV99-01	E9901685	101-9-082092	Liver	Triplicate	7439-96-5	Manganese	2.80	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1700
ENV99-01	E9901685	101-9-082092	Liver	Triplicate	7439-89-6	Iron	210	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1700
ENV99-01	E9901685	101-9-082092	Liver	Triplicate	7440-50-8	Copper	48.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1700
ENV99-01	E9901685-2	101-9-082092	Liver	Triplicate	7439-98-7	Molybdenum	1.300	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1703
ENV99-01	E9901685-2	101-9-082092	Liver	Triplicate	7440-66-6	Zinc	20	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1703
ENV99-01	E9901685-2	101-9-082092	Liver	Triplicate	7440-43-9	Cadmium	0.680	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1703
ENV99-01	E9901685-2	101-9-082092	Liver	Triplicate	7439-92-1	Lead	0.40	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1703
ENV99-01	E9901685-2	101-9-082092	Liver	Triplicate	7439-96-5	Manganese	2.20	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1703
ENV99-01	E9901685-2	101-9-082092	Liver	Triplicate	7439-89-6	Iron	170	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1703
ENV99-01	E9901685-2	101-9-082092	Liver	Triplicate	7440-50-8	Copper	36.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1703
ENV99-01	E9901685-3	101-9-082092	Liver	Triplicate	7439-98-7	Molybdenum	1.500	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1706
ENV99-01	E9901685-3	101-9-082092	Liver	Triplicate	7440-66-6	Zinc	23	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1706
ENV99-01	E9901685-3	101-9-082092	Liver	Triplicate	7440-43-9	Cadmium	0.850	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1706
ENV99-01	E9901685-3	101-9-082092	Liver	Triplicate	7439-92-1	Lead	0.50	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1706
ENV99-01	E9901685-3	101-9-082092	Liver	Triplicate	7439-96-5	Manganese	2.60	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1706
ENV99-01	E9901685-3	101-9-082092	Liver	Triplicate	7439-89-6	Iron	220	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1706
ENV99-01	E9901685-3	101-9-082092	Liver	Triplicate	7440-50-8	Copper	39.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1706
ENV99-01	E9901685MS	101-9-082092-MS	Liver	MS	7440-43-9	Cadmium	99			%	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1711
ENV99-01	E9901686	101-9-082893	Liver	Primary	7439-98-7	Molybdenum	1.300	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1714
ENV99-01	E9901686	101-9-082893	Liver	Primary	7440-66-6	Zinc	26	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1714
ENV99-01	E9901686	101-9-082893	Liver	Primary	7440-43-9	Cadmium	0.220	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1714
ENV99-01	E9901686	101-9-082893	Liver	Primary	7439-92-1	Lead	-0.5743	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1714
ENV99-01	E9901686	101-9-082893	Liver	Primary	7439-96-5	Manganese	3.40	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1714
ENV99-01	E9901686	101-9-082893	Liver	Primary	7439-89-6	Iron	130	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1714
ENV99-01	E9901686	101-9-082893	Liver	Primary	7440-50-8	Copper	37.00	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1714
ENV99-01	E9901687D	101-9-083966	Liver	Lab Duplicate	7439-98-7	Molybdenum	0.970	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1717
ENV99-01	E9901687D	101-9-083966	Liver	Lab Duplicate	7440-66-6	Zinc	19	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1717
ENV99-01	E9901687D	101-9-083966	Liver	Lab Duplicate	7440-43-9	Cadmium	0.240	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1717
ENV99-01	E9901687D	101-9-083966	Liver	Lab Duplicate	7439-92-1	Lead	0.1785	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1717
ENV99-01	E9901687D	101-9-083966	Liver	Lab Duplicate	7439-96-5	Manganese	2.00	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1717
ENV99-01	E9901687D	101-9-083966	Liver	Lab Duplicate	7439-89-6	Iron	210	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1717
ENV99-01	E9901687D	101-9-083966	Liver	Lab Duplicate	7440-50-8	Copper	31.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1717
ENV99-01	E9901687	101-9-083966	Liver	Primary	7439-98-7	Molybdenum	0.940	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1721
ENV99-01	E9901687	101-9-083966	Liver	Primary	7440-66-6	Zinc	19	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1721
ENV99-01	E9901687	101-9-083966	Liver	Primary	7440-43-9	Cadmium	0.250	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1721
ENV99-01	E9901687	101-9-083966	Liver	Primary	7439-92-1	Lead	0.1279	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1721
ENV99-01	E9901687	101-9-083966	Liver	Primary	7439-96-5	Manganese	2.10	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1721
ENV99-01	E9901687	101-9-083966	Liver	Primary	7439-89-6	Iron	210	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1721
ENV99-01	E9901687	101-9-083966	Liver	Primary	7440-50-8	Copper	35.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1721
ENV99-01	E9901688	102-9-000978	Liver	Primary	7439-98-7	Molybdenum	1.500	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1724
ENV99-01	E9901688	102-9-000978	Liver	Primary	7440-66-6	Zinc	34	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1724

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
TRACE METALS BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV99-01	E9901688	102-9-000978	Liver	Primary	7440-43-9	Cadmium	0.160	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1724
ENV99-01	E9901688	102-9-000978	Liver	Primary	7439-92-1	Lead	0.50	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1724
ENV99-01	E9901688	102-9-000978	Liver	Primary	7439-96-5	Manganese	3.20	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1724
ENV99-01	E9901688	102-9-000978	Liver	Primary	7439-89-6	Iron	97	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1724
ENV99-01	E9901688	102-9-000978	Liver	Primary	7440-50-8	Copper	44.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1724
ENV99-01	E9901689	102-9-003510	Liver	Primary	7439-98-7	Molybdenum	1.600	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1727
ENV99-01	E9901689	102-9-003510	Liver	Primary	7440-66-6	Zinc	28	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1727
ENV99-01	E9901689	102-9-003510	Liver	Primary	7440-43-9	Cadmium	0.300	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1727
ENV99-01	E9901689	102-9-003510	Liver	Primary	7439-92-1	Lead	-0.5129	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1727
ENV99-01	E9901689	102-9-003510	Liver	Primary	7439-96-5	Manganese	3.60	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1727
ENV99-01	E9901689	102-9-003510	Liver	Primary	7439-89-6	Iron	140	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1727
ENV99-01	E9901689	102-9-003510	Liver	Primary	7440-50-8	Copper	7.2	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1727
ENV99-01	E9901691	102-9-008618	Liver	Primary	7439-98-7	Molybdenum	1.600	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1731
ENV99-01	E9901691	102-9-008618	Liver	Primary	7440-66-6	Zinc	28	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1731
ENV99-01	E9901691	102-9-008618	Liver	Primary	7440-43-9	Cadmium	0.340	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1731
ENV99-01	E9901691	102-9-008618	Liver	Primary	7439-92-1	Lead	-0.2481	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1731
ENV99-01	E9901691	102-9-008618	Liver	Primary	7439-96-5	Manganese	3.60	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1731
ENV99-01	E9901691	102-9-008618	Liver	Primary	7439-89-6	Iron	220	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1731
ENV99-01	E9901691	102-9-008618	Liver	Primary	7440-50-8	Copper	56.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1731
ENV99-01	E9901694	102-9-009651	Liver	Primary	7439-98-7	Molybdenum	1.100	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1734
ENV99-01	E9901694	102-9-009651	Liver	Primary	7440-66-6	Zinc	17	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1734
ENV99-01	E9901694	102-9-009651	Liver	Primary	7440-43-9	Cadmium	0.260	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1734
ENV99-01	E9901694	102-9-009651	Liver	Primary	7439-92-1	Lead	-0.5031	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1734
ENV99-01	E9901694	102-9-009651	Liver	Primary	7439-96-5	Manganese	2.20	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1734
ENV99-01	E9901694	102-9-009651	Liver	Primary	7439-89-6	Iron	120	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1734
ENV99-01	E9901694	102-9-009651	Liver	Primary	7440-50-8	Copper	16.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1734
ENV99-01	E9901696	102-9-010277	Liver	Primary	7439-98-7	Molybdenum	1.000	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1737
ENV99-01	E9901696	102-9-010277	Liver	Primary	7440-66-6	Zinc	19	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1737
ENV99-01	E9901696	102-9-010277	Liver	Primary	7440-43-9	Cadmium	0.250	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1737
ENV99-01	E9901696	102-9-010277	Liver	Primary	7439-92-1	Lead	0.29	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1737
ENV99-01	E9901696	102-9-010277	Liver	Primary	7439-96-5	Manganese	2.60	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1737
ENV99-01	E9901696	102-9-010277	Liver	Primary	7439-89-6	Iron	220	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1737
ENV99-01	E9901696	102-9-010277	Liver	Primary	7440-50-8	Copper	63.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1737
ENV99-01	E9901696B	Laboratory Blank	Lab QC	BLANK	7439-98-7	Molybdenum	-0.0011	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1741
ENV99-01	E9901696B	Laboratory Blank	Lab QC	BLANK	7440-66-6	Zinc	-0.0394	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1741
ENV99-01	E9901696B	Laboratory Blank	Lab QC	BLANK	7440-43-9	Cadmium	-0.0068	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1741
ENV99-01	E9901696B	Laboratory Blank	Lab QC	BLANK	7439-92-1	Lead	0.0133	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1741
ENV99-01	E9901696B	Laboratory Blank	Lab QC	BLANK	7439-96-5	Manganese	-0.0007	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1741
ENV99-01	E9901696B	Laboratory Blank	Lab QC	BLANK	7439-89-6	Iron	-0.0125	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1741
ENV99-01	E9901696B	Laboratory Blank	Lab QC	BLANK	7440-50-8	Copper	0.0431	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1741
ENV99-01	E9901696BS	Lab. Blank Spike	Lab QC	BS	7440-43-9	Cadmium	93			%	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1744
ENV99-01	E9901696CS	Check Standard	Lab QC	CS	7439-98-7	Molybdenum	0.980	0.09	EDL	ug/g	Wet Wt	1	1	98	11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1748
ENV99-01	E9901696CS	Check Standard	Lab QC	CS	7440-66-6	Zinc	5.0	0.01	EDL	ug/g	Wet Wt	1	5	100	11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1748
ENV99-01	E9901696CS	Check Standard	Lab QC	CS	7440-43-9	Cadmium	0.970	0.02	EDL	ug/g	Wet Wt	1	1	97	11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1748
ENV99-01	E9901696CS	Check Standard	Lab QC	CS	7439-92-1	Lead	5.00	0.23	EDL	ug/g	Wet Wt	1	5	100	11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1748
ENV99-01	E9901696CS	Check Standard	Lab QC	CS	7439-96-5	Manganese	5.00	0.01	EDL	ug/g	Wet Wt	1	5	100	11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1748
ENV99-01	E9901696CS	Check Standard	Lab QC	CS	7439-89-6	Iron	5.2	0.04	EDL	ug/g	Wet Wt	1	5	104	11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1748
ENV99-01	E9901696CS	Check Standard	Lab QC	CS	7440-50-8	Copper	5.2	0.03	EDL	ug/g	Wet Wt	1	5	104	11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1748
ENV99-01	E9901696SR	House Ref. Liver	Tissue	HRL	7439-98-7	Molybdenum	3.400	0.09	EDL	ug/g	Wet Wt	1	3.17	107	11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1751
ENV99-01	E9901696SR	House Ref. Liver	Tissue	HRL	7440-66-6	Zinc	130	0.01	EDL	ug/g	Wet Wt	1	120	108	11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1751
ENV99-01	E9901696SR	House Ref. Liver	Tissue	HRL	7440-43-9	Cadmium	57.000	0.02	EDL	ug/g	Wet Wt	1	54.3	105	11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1751
ENV99-01	E9901696SR	House Ref. Liver	Tissue	HRL	7439-92-1	Lead	50.00	0.23	EDL	ug/g	Wet Wt	1	48	104	11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1751

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
TRACE METALS BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV99-01	E9901696SR	House Ref. Liver	Tissue	HRL	7439-96-5	Manganese	12.00	0.01	EDL	ug/g	Wet Wt	1	10.1	119	11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1751
ENV99-01	E9901696SR	House Ref. Liver	Tissue	HRL	7439-89-6	Iron	190	0.04	EDL	ug/g	Wet Wt	1	183	104	11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1751
ENV99-01	E9901696SR	House Ref. Liver	Tissue	HRL	7440-50-8	Copper	130.0	0.03	EDL	ug/g	Wet Wt	1	123	106	11/2/1999	ICP - AES	HMICP_01-26-00	0126HMS/2	1/12/2000	1/26/2000	1751
ENV99-01	E9901661SR	House Ref. Liver	Tissue	HRL	7439-98-7	Molybdenum	3.100	0.09	EDL	ug/g	Wet Wt	1	3.17	98	11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1242
ENV99-01	E9901661SR	House Ref. Liver	Tissue	HRL	7440-66-6	Zinc	140	0.01	EDL	ug/g	Wet Wt	1	120	117	11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1242
ENV99-01	E9901661SR	House Ref. Liver	Tissue	HRL	7440-43-9	Cadmium	58.000	0.02	EDL	ug/g	Wet Wt	1	54.3	107	11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1242
ENV99-01	E9901661SR	House Ref. Liver	Tissue	HRL	7439-92-1	Lead	53.00	0.23	EDL	ug/g	Wet Wt	1	48	110	11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1242
ENV99-01	E9901661SR	House Ref. Liver	Tissue	HRL	7439-96-5	Manganese	12.00	0.01	EDL	ug/g	Wet Wt	1	10.1	119	11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1242
ENV99-01	E9901661SR	House Ref. Liver	Tissue	HRL	7439-89-6	Iron	200	0.04	EDL	ug/g	Wet Wt	1	183	109	11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1242
ENV99-01	E9901661SR	House Ref. Liver	Tissue	HRL	7440-50-8	Copper	140.0	0.03	EDL	ug/g	Wet Wt	1	123	114	11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1242
ENV99-01	E9901661C1	Check Standard	Lab QC	CS	7439-98-7	Molybdenum	1.000	0.09	EDL	ug/g	Wet Wt	1	1	100	11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1256
ENV99-01	E9901661C1	Check Standard	Lab QC	CS	7440-66-6	Zinc	5.0	0.01	EDL	ug/g	Wet Wt	1	5	100	11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1256
ENV99-01	E9901661C1	Check Standard	Lab QC	CS	7440-43-9	Cadmium	0.950	0.02	EDL	ug/g	Wet Wt	1	1	95	11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1256
ENV99-01	E9901661C1	Check Standard	Lab QC	CS	7439-92-1	Lead	5.30	0.23	EDL	ug/g	Wet Wt	1	5	106	11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1256
ENV99-01	E9901661C1	Check Standard	Lab QC	CS	7439-96-5	Manganese	5.10	0.01	EDL	ug/g	Wet Wt	1	5	102	11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1256
ENV99-01	E9901661C1	Check Standard	Lab QC	CS	7439-89-6	Iron	5.3	0.04	EDL	ug/g	Wet Wt	1	5	106	11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1256
ENV99-01	E9901661C1	Check Standard	Lab QC	CS	7440-50-8	Copper	5.2	0.03	EDL	ug/g	Wet Wt	1	5	104	11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1256
ENV99-01	E9901661	101-9-024889	Liver	Primary	7439-98-7	Molybdenum	1.700	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1259
ENV99-01	E9901661	101-9-024889	Liver	Primary	7440-66-6	Zinc	36	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1259
ENV99-01	E9901661	101-9-024889	Liver	Primary	7440-43-9	Cadmium	0.270	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1259
ENV99-01	E9901661	101-9-024889	Liver	Primary	7439-92-1	Lead	0.65	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1259
ENV99-01	E9901661	101-9-024889	Liver	Primary	7439-96-5	Manganese	4.10	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1259
ENV99-01	E9901661	101-9-024889	Liver	Primary	7439-89-6	Iron	120	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1259
ENV99-01	E9901661	101-9-024889	Liver	Primary	7440-50-8	Copper	27.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1259
ENV99-01	E9901662	101-9-025926	Liver	Primary	7439-98-7	Molybdenum	1.200	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1303
ENV99-01	E9901662	101-9-025926	Liver	Primary	7440-66-6	Zinc	25	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1303
ENV99-01	E9901662	101-9-025926	Liver	Primary	7440-43-9	Cadmium	0.400	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1303
ENV99-01	E9901662	101-9-025926	Liver	Primary	7439-92-1	Lead	0.48	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1303
ENV99-01	E9901662	101-9-025926	Liver	Primary	7439-96-5	Manganese	2.00	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1303
ENV99-01	E9901662	101-9-025926	Liver	Primary	7439-89-6	Iron	190	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1303
ENV99-01	E9901662	101-9-025926	Liver	Primary	7440-50-8	Copper	24.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1303
ENV99-01	E9901663	101-9-026635	Liver	Primary	7439-98-7	Molybdenum	1.600	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1306
ENV99-01	E9901663	101-9-026635	Liver	Primary	7440-66-6	Zinc	31	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1306
ENV99-01	E9901663	101-9-026635	Liver	Primary	7440-43-9	Cadmium	0.640	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1306
ENV99-01	E9901663	101-9-026635	Liver	Primary	7439-92-1	Lead	0.74	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1306
ENV99-01	E9901663	101-9-026635	Liver	Primary	7439-96-5	Manganese	4.20	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1306
ENV99-01	E9901663	101-9-026635	Liver	Primary	7439-89-6	Iron	94	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1306
ENV99-01	E9901663	101-9-026635	Liver	Primary	7440-50-8	Copper	32.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1306
ENV99-01	E9901664	101-9-028332	Liver	Primary	7439-98-7	Molybdenum	1.300	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1309
ENV99-01	E9901664	101-9-028332	Liver	Primary	7440-66-6	Zinc	20	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1309
ENV99-01	E9901664	101-9-028332	Liver	Primary	7440-43-9	Cadmium	0.380	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1309
ENV99-01	E9901664	101-9-028332	Liver	Primary	7439-92-1	Lead	-0.1732	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1309
ENV99-01	E9901664	101-9-028332	Liver	Primary	7439-96-5	Manganese	2.40	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1309
ENV99-01	E9901664	101-9-028332	Liver	Primary	7439-89-6	Iron	240	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1309
ENV99-01	E9901664	101-9-028332	Liver	Primary	7440-50-8	Copper	55.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1309
ENV99-01	E9901665	101-9-028637	Liver	Primary	7439-98-7	Molybdenum	1.500	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1313
ENV99-01	E9901665	101-9-028637	Liver	Primary	7440-66-6	Zinc	31	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1313
ENV99-01	E9901665	101-9-028637	Liver	Primary	7440-43-9	Cadmium	1.300	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1313
ENV99-01	E9901665	101-9-028637	Liver	Primary	7439-92-1	Lead	0.0086	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1313
ENV99-01	E9901665	101-9-028637	Liver	Primary	7439-96-5	Manganese	3.20	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1313
ENV99-01	E9901665	101-9-028637	Liver	Primary	7439-89-6	Iron	140	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1313
ENV99-01	E9901665	101-9-028637	Liver	Primary	7440-50-8	Copper	53.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1313

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
TRACE METALS BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV99-01	E9901666	101-9-032948	Liver	Primary	7439-98-7	Molybdenum	1.700	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1316
ENV99-01	E9901666	101-9-032948	Liver	Primary	7440-66-6	Zinc	27	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1316
ENV99-01	E9901666	101-9-032948	Liver	Primary	7440-43-9	Cadmium	0.330	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1316
ENV99-01	E9901666	101-9-032948	Liver	Primary	7439-92-1	Lead	0.40	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1316
ENV99-01	E9901666	101-9-032948	Liver	Primary	7439-96-5	Manganese	3.70	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1316
ENV99-01	E9901666	101-9-032948	Liver	Primary	7439-89-6	Iron	140	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1316
ENV99-01	E9901666	101-9-032948	Liver	Primary	7440-50-8	Copper	22.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1316
ENV99-01	E9901667	101-9-033823	Liver	Primary	7439-98-7	Molybdenum	1.800	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1320
ENV99-01	E9901667	101-9-033823	Liver	Primary	7440-66-6	Zinc	27	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1320
ENV99-01	E9901667	101-9-033823	Liver	Primary	7440-43-9	Cadmium	0.370	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1320
ENV99-01	E9901667	101-9-033823	Liver	Primary	7439-92-1	Lead	-0.0212	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1320
ENV99-01	E9901667	101-9-033823	Liver	Primary	7439-96-5	Manganese	3.20	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1320
ENV99-01	E9901667	101-9-033823	Liver	Primary	7439-89-6	Iron	160	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1320
ENV99-01	E9901667	101-9-033823	Liver	Primary	7440-50-8	Copper	51.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1320
ENV99-01	E9901668	101-9-034278	Liver	Primary	7439-98-7	Molybdenum	1.400	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1323
ENV99-01	E9901668	101-9-034278	Liver	Primary	7440-66-6	Zinc	24	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1323
ENV99-01	E9901668	101-9-034278	Liver	Primary	7440-43-9	Cadmium	0.360	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1323
ENV99-01	E9901668	101-9-034278	Liver	Primary	7439-92-1	Lead	0.1388	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1323
ENV99-01	E9901668	101-9-034278	Liver	Primary	7439-96-5	Manganese	2.80	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1323
ENV99-01	E9901668	101-9-034278	Liver	Primary	7439-89-6	Iron	110	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1323
ENV99-01	E9901668	101-9-034278	Liver	Primary	7440-50-8	Copper	42.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1323
ENV99-01	E9901669	101-9-048459	Liver	Primary	7439-98-7	Molybdenum	0.910	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1326
ENV99-01	E9901669	101-9-048459	Liver	Primary	7440-66-6	Zinc	23	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1326
ENV99-01	E9901669	101-9-048459	Liver	Primary	7440-43-9	Cadmium	0.350	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1326
ENV99-01	E9901669	101-9-048459	Liver	Primary	7439-92-1	Lead	0.30	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1326
ENV99-01	E9901669	101-9-048459	Liver	Primary	7439-96-5	Manganese	2.80	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1326
ENV99-01	E9901669	101-9-048459	Liver	Primary	7439-89-6	Iron	190	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1326
ENV99-01	E9901669	101-9-048459	Liver	Primary	7440-50-8	Copper	12.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1326
ENV99-01	E9901669D	101-9-048459	Liver	Lab Duplicate	7439-98-7	Molybdenum	0.920	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1330
ENV99-01	E9901669D	101-9-048459	Liver	Lab Duplicate	7440-66-6	Zinc	25	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1330
ENV99-01	E9901669D	101-9-048459	Liver	Lab Duplicate	7440-43-9	Cadmium	0.380	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1330
ENV99-01	E9901669D	101-9-048459	Liver	Lab Duplicate	7439-92-1	Lead	0.53	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1330
ENV99-01	E9901669D	101-9-048459	Liver	Lab Duplicate	7439-96-5	Manganese	3.10	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1330
ENV99-01	E9901669D	101-9-048459	Liver	Lab Duplicate	7439-89-6	Iron	200	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1330
ENV99-01	E9901669D	101-9-048459	Liver	Lab Duplicate	7440-50-8	Copper	12.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1330
ENV99-01	E9901670	101-9-050246	Liver	Triplicate	7439-98-7	Molybdenum	1.800	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1333
ENV99-01	E9901670	101-9-050246	Liver	Triplicate	7440-66-6	Zinc	28	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1333
ENV99-01	E9901670	101-9-050246	Liver	Triplicate	7440-43-9	Cadmium	0.180	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1333
ENV99-01	E9901670	101-9-050246	Liver	Triplicate	7439-92-1	Lead	-0.1475	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1333
ENV99-01	E9901670	101-9-050246	Liver	Triplicate	7439-96-5	Manganese	4.00	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1333
ENV99-01	E9901670	101-9-050246	Liver	Triplicate	7439-89-6	Iron	100	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1333
ENV99-01	E9901670	101-9-050246	Liver	Triplicate	7440-50-8	Copper	24.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1333
ENV99-01	E9901670-2	101-9-050246	Liver	Triplicate	7439-98-7	Molybdenum	1.800	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1336
ENV99-01	E9901670-2	101-9-050246	Liver	Triplicate	7440-66-6	Zinc	30	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1336
ENV99-01	E9901670-2	101-9-050246	Liver	Triplicate	7440-43-9	Cadmium	0.130	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1336
ENV99-01	E9901670-2	101-9-050246	Liver	Triplicate	7439-92-1	Lead	-0.0463	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1336
ENV99-01	E9901670-2	101-9-050246	Liver	Triplicate	7439-96-5	Manganese	4.20	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1336
ENV99-01	E9901670-2	101-9-050246	Liver	Triplicate	7439-89-6	Iron	110	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1336
ENV99-01	E9901670-2	101-9-050246	Liver	Triplicate	7440-50-8	Copper	27.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1336
ENV99-01	E9901670-3	101-9-050246	Liver	Triplicate	7439-98-7	Molybdenum	1.600	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1340
ENV99-01	E9901670-3	101-9-050246	Liver	Triplicate	7440-66-6	Zinc	27	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1340
ENV99-01	E9901670-3	101-9-050246	Liver	Triplicate	7440-43-9	Cadmium	0.120	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1340

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
TRACE METALS BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV99-01	E9901670-3	101-9-050246	Liver	Triplicate	7439-92-1	Lead	-0.2447	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1340
ENV99-01	E9901670-3	101-9-050246	Liver	Triplicate	7439-96-5	Manganese	3.60	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1340
ENV99-01	E9901670-3	101-9-050246	Liver	Triplicate	7439-89-6	Iron	110	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1340
ENV99-01	E9901670-3	101-9-050246	Liver	Triplicate	7440-50-8	Copper	17.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1340
ENV99-01	E9901670B	Laboratory Blank	Lab QC	BLANK	7439-98-7	Molybdenum	-0.0091	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1347
ENV99-01	E9901670B	Laboratory Blank	Lab QC	BLANK	7440-66-6	Zinc	-0.0253	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1347
ENV99-01	E9901670B	Laboratory Blank	Lab QC	BLANK	7440-43-9	Cadmium	-0.0018	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1347
ENV99-01	E9901670B	Laboratory Blank	Lab QC	BLANK	7439-92-1	Lead	-0.0186	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1347
ENV99-01	E9901670B	Laboratory Blank	Lab QC	BLANK	7439-96-5	Manganese	0.0018	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1347
ENV99-01	E9901670B	Laboratory Blank	Lab QC	BLANK	7439-89-6	Iron	0.0224	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1347
ENV99-01	E9901670B	Laboratory Blank	Lab QC	BLANK	7440-50-8	Copper	0.0681	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1347
ENV99-01	E9901670BS	Lab. Blank Spike	Lab QC	BS	7440-43-9	Cadmium	107			%	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1351
ENV99-01	E9901670CS	Check Standard	Lab QC	CS	7439-98-7	Molybdenum	1.000	0.09	EDL	ug/g	Wet Wt	1	1	100	11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1354
ENV99-01	E9901670CS	Check Standard	Lab QC	CS	7440-66-6	Zinc	4.9	0.01	EDL	ug/g	Wet Wt	1	5	98	11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1354
ENV99-01	E9901670CS	Check Standard	Lab QC	CS	7440-43-9	Cadmium	1.000	0.02	EDL	ug/g	Wet Wt	1	1	100	11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1354
ENV99-01	E9901670CS	Check Standard	Lab QC	CS	7439-92-1	Lead	4.80	0.23	EDL	ug/g	Wet Wt	1	5	96	11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1354
ENV99-01	E9901670CS	Check Standard	Lab QC	CS	7439-96-5	Manganese	5.00	0.01	EDL	ug/g	Wet Wt	1	5	100	11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1354
ENV99-01	E9901670CS	Check Standard	Lab QC	CS	7439-89-6	Iron	4.8	0.04	EDL	ug/g	Wet Wt	1	5	96	11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1354
ENV99-01	E9901670CS	Check Standard	Lab QC	CS	7440-50-8	Copper	4.6	0.03	EDL	ug/g	Wet Wt	1	5	92	11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1354
ENV99-01	E9901670SR	House Ref. Liver	Tissue	HRL	7439-98-7	Molybdenum	4.200	0.09	EDL	ug/g	Wet Wt	1	3.17	132	11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1357
ENV99-01	E9901670SR	House Ref. Liver	Tissue	HRL	7440-66-6	Zinc	130	0.01	EDL	ug/g	Wet Wt	1	120	108	11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1357
ENV99-01	E9901670SR	House Ref. Liver	Tissue	HRL	7440-43-9	Cadmium	61.000	0.02	EDL	ug/g	Wet Wt	1	54.3	112	11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1357
ENV99-01	E9901670SR	House Ref. Liver	Tissue	HRL	7439-92-1	Lead	53.00	0.23	EDL	ug/g	Wet Wt	1	48	110	11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1357
ENV99-01	E9901670SR	House Ref. Liver	Tissue	HRL	7439-96-5	Manganese	12.00	0.01	EDL	ug/g	Wet Wt	1	10.1	119	11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1357
ENV99-01	E9901670SR	House Ref. Liver	Tissue	HRL	7439-89-6	Iron	190	0.04	EDL	ug/g	Wet Wt	1	183	104	11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1357
ENV99-01	E9901670SR	House Ref. Liver	Tissue	HRL	7440-50-8	Copper	130.0	0.03	EDL	ug/g	Wet Wt	1	123	106	11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1357
ENV99-01	E9901671	101-9-052544	Liver	Primary	7439-98-7	Molybdenum	1.200	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1401
ENV99-01	E9901671	101-9-052544	Liver	Primary	7440-66-6	Zinc	68	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1401
ENV99-01	E9901671	101-9-052544	Liver	Primary	7440-43-9	Cadmium	0.400	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1401
ENV99-01	E9901671	101-9-052544	Liver	Primary	7439-92-1	Lead	0.61	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1401
ENV99-01	E9901671	101-9-052544	Liver	Primary	7439-96-5	Manganese	3.00	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1401
ENV99-01	E9901671	101-9-052544	Liver	Primary	7439-89-6	Iron	410	0.04	EDL	ug/g	Wet Wt	2			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1611
ENV99-01	E9901671	101-9-052544	Liver	Primary	7440-50-8	Copper	20.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1401
ENV99-01	E9901672	101-9-054687	Liver	Triplicate	7439-98-7	Molybdenum	1.900	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1404
ENV99-01	E9901672	101-9-054687	Liver	Triplicate	7440-66-6	Zinc	39	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1404
ENV99-01	E9901672	101-9-054687	Liver	Triplicate	7440-43-9	Cadmium	1.700	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1404
ENV99-01	E9901672	101-9-054687	Liver	Triplicate	7439-92-1	Lead	0.0719	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1404
ENV99-01	E9901672	101-9-054687	Liver	Triplicate	7439-96-5	Manganese	4.30	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1404
ENV99-01	E9901672	101-9-054687	Liver	Triplicate	7439-89-6	Iron	91	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1404
ENV99-01	E9901672	101-9-054687	Liver	Triplicate	7440-50-8	Copper	17.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1404
ENV99-01	E9901672-2	101-9-054687	Liver	Triplicate	7439-98-7	Molybdenum	2.000	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1407
ENV99-01	E9901672-2	101-9-054687	Liver	Triplicate	7440-66-6	Zinc	42	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1407
ENV99-01	E9901672-2	101-9-054687	Liver	Triplicate	7440-43-9	Cadmium	1.900	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1407
ENV99-01	E9901672-2	101-9-054687	Liver	Triplicate	7439-92-1	Lead	0.26	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1407
ENV99-01	E9901672-2	101-9-054687	Liver	Triplicate	7439-96-5	Manganese	4.60	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1407
ENV99-01	E9901672-2	101-9-054687	Liver	Triplicate	7439-89-6	Iron	90	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1407
ENV99-01	E9901672-2	101-9-054687	Liver	Triplicate	7440-50-8	Copper	18.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1407
ENV99-01	E9901672-3	101-9-054687	Liver	Triplicate	7439-98-7	Molybdenum	1.800	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1411
ENV99-01	E9901672-3	101-9-054687	Liver	Triplicate	7440-66-6	Zinc	42	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1411
ENV99-01	E9901672-3	101-9-054687	Liver	Triplicate	7440-43-9	Cadmium	1.700	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1411
ENV99-01	E9901672-3	101-9-054687	Liver	Triplicate	7439-92-1	Lead	0.54	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1411
ENV99-01	E9901672-3	101-9-054687	Liver	Triplicate	7439-96-5	Manganese	4.50	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1411

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
TRACE METALS BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV99-01	E9901672-3	101-9-054687	Liver	Triplicate	7439-89-6	Iron	93	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1411
ENV99-01	E9901672-3	101-9-054687	Liver	Triplicate	7440-50-8	Copper	18.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1411
ENV99-01	E9901674	101-9-061415	Liver	Primary	7439-98-7	Molybdenum	1.200	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1418
ENV99-01	E9901674	101-9-061415	Liver	Primary	7440-66-6	Zinc	27	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1418
ENV99-01	E9901674	101-9-061415	Liver	Primary	7440-43-9	Cadmium	0.350	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1418
ENV99-01	E9901674	101-9-061415	Liver	Primary	7439-92-1	Lead	-0.2641	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1418
ENV99-01	E9901674	101-9-061415	Liver	Primary	7439-96-5	Manganese	3.70	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1418
ENV99-01	E9901674	101-9-061415	Liver	Primary	7439-89-6	Iron	130	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1418
ENV99-01	E9901674	101-9-061415	Liver	Primary	7440-50-8	Copper	55.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1418
ENV99-01	E9901675	101-9-065581	Liver	Primary	7439-98-7	Molybdenum	1.400	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1421
ENV99-01	E9901675	101-9-065581	Liver	Primary	7440-66-6	Zinc	32	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1421
ENV99-01	E9901675	101-9-065581	Liver	Primary	7440-43-9	Cadmium	0.380	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1421
ENV99-01	E9901675	101-9-065581	Liver	Primary	7439-92-1	Lead	-0.1017	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1421
ENV99-01	E9901675	101-9-065581	Liver	Primary	7439-96-5	Manganese	3.20	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1421
ENV99-01	E9901675	101-9-065581	Liver	Primary	7439-89-6	Iron	80	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1421
ENV99-01	E9901675	101-9-065581	Liver	Primary	7440-50-8	Copper	20.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1421
ENV99-01	E9901676	101-9-066053	Liver	Primary	7439-98-7	Molybdenum	1.300	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1424
ENV99-01	E9901676	101-9-066053	Liver	Primary	7440-66-6	Zinc	26	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1424
ENV99-01	E9901676	101-9-066053	Liver	Primary	7440-43-9	Cadmium	0.430	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1424
ENV99-01	E9901676	101-9-066053	Liver	Primary	7439-92-1	Lead	0.0950	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1424
ENV99-01	E9901676	101-9-066053	Liver	Primary	7439-96-5	Manganese	3.00	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1424
ENV99-01	E9901676	101-9-066053	Liver	Primary	7439-89-6	Iron	120	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1424
ENV99-01	E9901676	101-9-066053	Liver	Primary	7440-50-8	Copper	33.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1424
ENV99-01	E9901676D	101-9-066053	Liver	Lab Duplicate	7439-98-7	Molybdenum	1.300	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1428
ENV99-01	E9901676D	101-9-066053	Liver	Lab Duplicate	7440-66-6	Zinc	26	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1428
ENV99-01	E9901676D	101-9-066053	Liver	Lab Duplicate	7440-43-9	Cadmium	0.420	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1428
ENV99-01	E9901676D	101-9-066053	Liver	Lab Duplicate	7439-92-1	Lead	0.34	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1428
ENV99-01	E9901676D	101-9-066053	Liver	Lab Duplicate	7439-96-5	Manganese	3.80	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1428
ENV99-01	E9901676D	101-9-066053	Liver	Lab Duplicate	7439-89-6	Iron	140	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1428
ENV99-01	E9901676D	101-9-066053	Liver	Lab Duplicate	7440-50-8	Copper	34.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1428
ENV99-01	E9901677	101-9-067130	Liver	Primary	7439-98-7	Molybdenum	1.400	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1431
ENV99-01	E9901677	101-9-067130	Liver	Primary	7440-66-6	Zinc	30	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1431
ENV99-01	E9901677	101-9-067130	Liver	Primary	7440-43-9	Cadmium	0.470	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1431
ENV99-01	E9901677	101-9-067130	Liver	Primary	7439-92-1	Lead	0.58	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1431
ENV99-01	E9901677	101-9-067130	Liver	Primary	7439-96-5	Manganese	2.80	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1431
ENV99-01	E9901677	101-9-067130	Liver	Primary	7439-89-6	Iron	150	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1431
ENV99-01	E9901677	101-9-067130	Liver	Primary	7440-50-8	Copper	39.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1431
ENV99-01	E9901678	101-9-067901	Liver	Primary	7439-98-7	Molybdenum	2.100	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1434
ENV99-01	E9901678	101-9-067901	Liver	Primary	7440-66-6	Zinc	22	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1434
ENV99-01	E9901678	101-9-067901	Liver	Primary	7440-43-9	Cadmium	0.360	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1434
ENV99-01	E9901678	101-9-067901	Liver	Primary	7439-92-1	Lead	0.35	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1434
ENV99-01	E9901678	101-9-067901	Liver	Primary	7439-96-5	Manganese	3.30	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1434
ENV99-01	E9901678	101-9-067901	Liver	Primary	7439-89-6	Iron	160	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1434
ENV99-01	E9901678	101-9-067901	Liver	Primary	7440-50-8	Copper	57.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1434
ENV99-01	E9901679	101-9-069187	Liver	Primary	7439-98-7	Molybdenum	1.400	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1438
ENV99-01	E9901679	101-9-069187	Liver	Primary	7440-66-6	Zinc	38	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1438
ENV99-01	E9901679	101-9-069187	Liver	Primary	7440-43-9	Cadmium	0.230	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1438
ENV99-01	E9901679	101-9-069187	Liver	Primary	7439-92-1	Lead	0.80	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1438
ENV99-01	E9901679	101-9-069187	Liver	Primary	7439-96-5	Manganese	3.20	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1438
ENV99-01	E9901679	101-9-069187	Liver	Primary	7439-89-6	Iron	90	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1438
ENV99-01	E9901679	101-9-069187	Liver	Primary	7440-50-8	Copper	24.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1438
ENV99-01	E9901680	101-9-072990	Liver	Primary	7439-98-7	Molybdenum	1.200	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1441

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
TRACE METALS BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV99-01	E9901680	101-9-072990	Liver	Primary	7440-66-6	Zinc	24	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1441
ENV99-01	E9901680	101-9-072990	Liver	Primary	7440-43-9	Cadmium	0.400	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1441
ENV99-01	E9901680	101-9-072990	Liver	Primary	7439-92-1	Lead	-0.1207	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1441
ENV99-01	E9901680	101-9-072990	Liver	Primary	7439-96-5	Manganese	2.50	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1441
ENV99-01	E9901680	101-9-072990	Liver	Primary	7439-89-6	Iron	120	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1441
ENV99-01	E9901680	101-9-072990	Liver	Primary	7440-50-8	Copper	16.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1441
ENV99-01	E9901680B	Laboratory Blank	Lab QC	BLANK	7439-98-7	Molybdenum	0.0006	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1444
ENV99-01	E9901680B	Laboratory Blank	Lab QC	BLANK	7440-66-6	Zinc	-0.0225	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1444
ENV99-01	E9901680B	Laboratory Blank	Lab QC	BLANK	7440-43-9	Cadmium	0.0010	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1444
ENV99-01	E9901680B	Laboratory Blank	Lab QC	BLANK	7439-92-1	Lead	0.0185	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1444
ENV99-01	E9901680B	Laboratory Blank	Lab QC	BLANK	7439-96-5	Manganese	0.0021	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1444
ENV99-01	E9901680B	Laboratory Blank	Lab QC	BLANK	7439-89-6	Iron	0.0169	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1444
ENV99-01	E9901680B	Laboratory Blank	Lab QC	BLANK	7440-50-8	Copper	0.0671	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1444
ENV99-01	E9901680BS	Lab. Blank Spike	Lab QC	BS	7440-43-9	Cadmium	108			%	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1448
ENV99-01	E9901680CS	Check Standard	Lab QC	CS	7439-98-7	Molybdenum	1.000	0.09	EDL	ug/g	Wet Wt	1	1	100	11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1451
ENV99-01	E9901680CS	Check Standard	Lab QC	CS	7440-66-6	Zinc	5.0	0.01	EDL	ug/g	Wet Wt	1	5	100	11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1451
ENV99-01	E9901680CS	Check Standard	Lab QC	CS	7440-43-9	Cadmium	1.000	0.02	EDL	ug/g	Wet Wt	1	1	100	11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1451
ENV99-01	E9901680CS	Check Standard	Lab QC	CS	7439-92-1	Lead	5.20	0.23	EDL	ug/g	Wet Wt	1	5	104	11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1451
ENV99-01	E9901680CS	Check Standard	Lab QC	CS	7439-96-5	Manganese	5.20	0.01	EDL	ug/g	Wet Wt	1	5	104	11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1451
ENV99-01	E9901680CS	Check Standard	Lab QC	CS	7439-89-6	Iron	5.3	0.04	EDL	ug/g	Wet Wt	1	5	106	11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1451
ENV99-01	E9901680CS	Check Standard	Lab QC	CS	7440-50-8	Copper	5.0	0.03	EDL	ug/g	Wet Wt	1	5	100	11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1451
ENV99-01	E9901680SR	House Ref. Liver	Tissue	HRL	7439-98-7	Molybdenum	4.000	0.09	EDL	ug/g	Wet Wt	1	3.17	126	11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1454
ENV99-01	E9901680SR	House Ref. Liver	Tissue	HRL	7440-66-6	Zinc	140	0.01	EDL	ug/g	Wet Wt	1	120	117	11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1454
ENV99-01	E9901680SR	House Ref. Liver	Tissue	HRL	7440-43-9	Cadmium	61.000	0.02	EDL	ug/g	Wet Wt	1	54.3	112	11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1454
ENV99-01	E9901680SR	House Ref. Liver	Tissue	HRL	7439-92-1	Lead	55.00	0.23	EDL	ug/g	Wet Wt	1	48	115	11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1454
ENV99-01	E9901680SR	House Ref. Liver	Tissue	HRL	7439-96-5	Manganese	13.00	0.01	EDL	ug/g	Wet Wt	1	10.1	129	11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1454
ENV99-01	E9901680SR	House Ref. Liver	Tissue	HRL	7439-89-6	Iron	200	0.04	EDL	ug/g	Wet Wt	1	183	109	11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1454
ENV99-01	E9901680SR	House Ref. Liver	Tissue	HRL	7440-50-8	Copper	140.0	0.03	EDL	ug/g	Wet Wt	1	123	114	11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1454
ENV99-01	E9901716	107-9-002807	Liver	Primary	7439-98-7	Molybdenum	1.800	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1458
ENV99-01	E9901716	107-9-002807	Liver	Primary	7440-66-6	Zinc	29	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1458
ENV99-01	E9901716	107-9-002807	Liver	Primary	7440-43-9	Cadmium	0.640	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1458
ENV99-01	E9901716	107-9-002807	Liver	Primary	7439-92-1	Lead	0.64	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1458
ENV99-01	E9901716	107-9-002807	Liver	Primary	7439-96-5	Manganese	2.00	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1458
ENV99-01	E9901716	107-9-002807	Liver	Primary	7439-89-6	Iron	210	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1458
ENV99-01	E9901716	107-9-002807	Liver	Primary	7440-50-8	Copper	21.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1458
ENV99-01	E9901717	107-9-007918	Liver	Primary	7439-98-7	Molybdenum	1.600	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1501
ENV99-01	E9901717	107-9-007918	Liver	Primary	7440-66-6	Zinc	30	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1501
ENV99-01	E9901717	107-9-007918	Liver	Primary	7440-43-9	Cadmium	0.980	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1501
ENV99-01	E9901717	107-9-007918	Liver	Primary	7439-92-1	Lead	0.29	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1501
ENV99-01	E9901717	107-9-007918	Liver	Primary	7439-96-5	Manganese	4.10	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1501
ENV99-01	E9901717	107-9-007918	Liver	Primary	7439-89-6	Iron	100	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1501
ENV99-01	E9901717	107-9-007918	Liver	Primary	7440-50-8	Copper	50.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1501
ENV99-01	E9901719	108-9-001232	Liver	Primary	7439-98-7	Molybdenum	1.900	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1505
ENV99-01	E9901719	108-9-001232	Liver	Primary	7440-66-6	Zinc	35	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1505
ENV99-01	E9901719	108-9-001232	Liver	Primary	7440-43-9	Cadmium	0.610	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1505
ENV99-01	E9901719	108-9-001232	Liver	Primary	7439-92-1	Lead	0.0929	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1505
ENV99-01	E9901719	108-9-001232	Liver	Primary	7439-96-5	Manganese	3.80	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1505
ENV99-01	E9901719	108-9-001232	Liver	Primary	7439-89-6	Iron	93	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1505
ENV99-01	E9901719	108-9-001232	Liver	Primary	7440-50-8	Copper	23.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1505
ENV99-01	E9901719D	108-9-001232	Liver	Lab Duplicate	7439-98-7	Molybdenum	1.500	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1508
ENV99-01	E9901719D	108-9-001232	Liver	Lab Duplicate	7440-66-6	Zinc	30	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1508
ENV99-01	E9901719D	108-9-001232	Liver	Lab Duplicate	7440-43-9	Cadmium	0.540	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1508

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
TRACE METALS BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV99-01	E9901719D	108-9-001232	Liver	Lab Duplicate	7439-92-1	Lead	-0.0278	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1508
ENV99-01	E9901719D	108-9-001232	Liver	Lab Duplicate	7439-96-5	Manganese	3.20	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1508
ENV99-01	E9901719D	108-9-001232	Liver	Lab Duplicate	7439-89-6	Iron	77	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1508
ENV99-01	E9901719D	108-9-001232	Liver	Lab Duplicate	7440-50-8	Copper	22.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1508
ENV99-01	E9901721	108-9-003843	Liver	Primary	7439-98-7	Molybdenum	1.900	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1512
ENV99-01	E9901721	108-9-003843	Liver	Primary	7440-66-6	Zinc	28	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1512
ENV99-01	E9901721	108-9-003843	Liver	Primary	7440-43-9	Cadmium	0.260	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1512
ENV99-01	E9901721	108-9-003843	Liver	Primary	7439-92-1	Lead	0.41	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1512
ENV99-01	E9901721	108-9-003843	Liver	Primary	7439-96-5	Manganese	2.90	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1512
ENV99-01	E9901721	108-9-003843	Liver	Primary	7439-89-6	Iron	160	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1512
ENV99-01	E9901721	108-9-003843	Liver	Primary	7440-50-8	Copper	27.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1512
ENV99-01	E9901723	108-9-005351	Liver	Primary	7439-98-7	Molybdenum	1.400	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1515
ENV99-01	E9901723	108-9-005351	Liver	Primary	7440-66-6	Zinc	27	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1515
ENV99-01	E9901723	108-9-005351	Liver	Primary	7440-43-9	Cadmium	0.990	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1515
ENV99-01	E9901723	108-9-005351	Liver	Primary	7439-92-1	Lead	0.0393	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1515
ENV99-01	E9901723	108-9-005351	Liver	Primary	7439-96-5	Manganese	3.40	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1515
ENV99-01	E9901723	108-9-005351	Liver	Primary	7439-89-6	Iron	170	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1515
ENV99-01	E9901723	108-9-005351	Liver	Primary	7440-50-8	Copper	76.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1515
ENV99-01	E9901724	112-9-000623	Liver	Primary	7439-98-7	Molybdenum	1.700	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1518
ENV99-01	E9901724	112-9-000623	Liver	Primary	7440-66-6	Zinc	34	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1518
ENV99-01	E9901724	112-9-000623	Liver	Primary	7440-43-9	Cadmium	0.620	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1518
ENV99-01	E9901724	112-9-000623	Liver	Primary	7439-92-1	Lead	0.30	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1518
ENV99-01	E9901724	112-9-000623	Liver	Primary	7439-96-5	Manganese	4.30	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1518
ENV99-01	E9901724	112-9-000623	Liver	Primary	7439-89-6	Iron	93	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1518
ENV99-01	E9901724	112-9-000623	Liver	Primary	7440-50-8	Copper	6.3	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1518
ENV99-01	E9901725	125-9-001720	Liver	Primary	7439-98-7	Molybdenum	1.500	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1522
ENV99-01	E9901725	125-9-001720	Liver	Primary	7440-66-6	Zinc	31	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1522
ENV99-01	E9901725	125-9-001720	Liver	Primary	7440-43-9	Cadmium	0.350	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1522
ENV99-01	E9901725	125-9-001720	Liver	Primary	7439-92-1	Lead	-0.1835	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1522
ENV99-01	E9901725	125-9-001720	Liver	Primary	7439-96-5	Manganese	4.70	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1522
ENV99-01	E9901725	125-9-001720	Liver	Primary	7439-89-6	Iron	140	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1522
ENV99-01	E9901725	125-9-001720	Liver	Primary	7440-50-8	Copper	23.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1522
ENV99-01	E9901726	125-9-002440	Liver	Primary	7439-98-7	Molybdenum	1.600	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1525
ENV99-01	E9901726	125-9-002440	Liver	Primary	7440-66-6	Zinc	29	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1525
ENV99-01	E9901726	125-9-002440	Liver	Primary	7440-43-9	Cadmium	0.460	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1525
ENV99-01	E9901726	125-9-002440	Liver	Primary	7439-92-1	Lead	0.2223	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1525
ENV99-01	E9901726	125-9-002440	Liver	Primary	7439-96-5	Manganese	5.20	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1525
ENV99-01	E9901726	125-9-002440	Liver	Primary	7439-89-6	Iron	120	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1525
ENV99-01	E9901726	125-9-002440	Liver	Primary	7440-50-8	Copper	33.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1525
ENV99-01	E9901727	125-9-000899	Liver	Primary	7439-98-7	Molybdenum	1.700	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1528
ENV99-01	E9901727	125-9-000899	Liver	Primary	7440-66-6	Zinc	31	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1528
ENV99-01	E9901727	125-9-000899	Liver	Primary	7440-43-9	Cadmium	0.240	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1528
ENV99-01	E9901727	125-9-000899	Liver	Primary	7439-92-1	Lead	0.1059	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1528
ENV99-01	E9901727	125-9-000899	Liver	Primary	7439-96-5	Manganese	4.20	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1528
ENV99-01	E9901727	125-9-000899	Liver	Primary	7439-89-6	Iron	64	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1528
ENV99-01	E9901727	125-9-000899	Liver	Primary	7440-50-8	Copper	13.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1528
ENV99-01	E9901728	202-9-003468	Liver	Triplicate	7439-98-7	Molybdenum	1.400	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1532
ENV99-01	E9901728	202-9-003468	Liver	Triplicate	7440-66-6	Zinc	24	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1532
ENV99-01	E9901728	202-9-003468	Liver	Triplicate	7440-43-9	Cadmium	0.200	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1532
ENV99-01	E9901728	202-9-003468	Liver	Triplicate	7439-92-1	Lead	0.30	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1532
ENV99-01	E9901728	202-9-003468	Liver	Triplicate	7439-96-5	Manganese	2.40	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1532
ENV99-01	E9901728	202-9-003468	Liver	Triplicate	7439-89-6	Iron	220	0.04	EDL	ug/g	Wet Wt	2			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1613

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
TRACE METALS BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV99-01	E9901728	202-9-003468	Liver	Triplicate	7440-50-8	Copper	24.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1532
ENV99-01	E9901728-2	202-9-003468	Liver	Triplicate	7439-98-7	Molybdenum	1.400	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1535
ENV99-01	E9901728-2	202-9-003468	Liver	Triplicate	7440-66-6	Zinc	23	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1535
ENV99-01	E9901728-2	202-9-003468	Liver	Triplicate	7440-43-9	Cadmium	0.210	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1535
ENV99-01	E9901728-2	202-9-003468	Liver	Triplicate	7439-92-1	Lead	0.37	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1535
ENV99-01	E9901728-2	202-9-003468	Liver	Triplicate	7439-96-5	Manganese	2.30	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1535
ENV99-01	E9901728-2	202-9-003468	Liver	Triplicate	7439-89-6	Iron	200	0.04	EDL	ug/g	Wet Wt	2			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1615
ENV99-01	E9901728-2	202-9-003468	Liver	Triplicate	7440-50-8	Copper	21.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1535
ENV99-01	E9901728-3	202-9-003468	Liver	Triplicate	7439-98-7	Molybdenum	1.600	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1539
ENV99-01	E9901728-3	202-9-003468	Liver	Triplicate	7440-66-6	Zinc	26	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1539
ENV99-01	E9901728-3	202-9-003468	Liver	Triplicate	7440-43-9	Cadmium	0.220	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1539
ENV99-01	E9901728-3	202-9-003468	Liver	Triplicate	7439-92-1	Lead	-0.0228	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1539
ENV99-01	E9901728-3	202-9-003468	Liver	Triplicate	7439-96-5	Manganese	2.80	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1539
ENV99-01	E9901728-3	202-9-003468	Liver	Triplicate	7439-89-6	Iron	260	0.04	EDL	ug/g	Wet Wt	2			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1617
ENV99-01	E9901728-3	202-9-003468	Liver	Triplicate	7440-50-8	Copper	25.00	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1539
ENV99-01	E9901728B	Laboratory Blank	Lab QC	BLANK	7439-98-7	Molybdenum	0.0062	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1545
ENV99-01	E9901728B	Laboratory Blank	Lab QC	BLANK	7440-66-6	Zinc	-0.0422	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1545
ENV99-01	E9901728B	Laboratory Blank	Lab QC	BLANK	7440-43-9	Cadmium	-0.0011	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1545
ENV99-01	E9901728B	Laboratory Blank	Lab QC	BLANK	7439-92-1	Lead	-0.0006	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1545
ENV99-01	E9901728B	Laboratory Blank	Lab QC	BLANK	7439-96-5	Manganese	0.0017	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1545
ENV99-01	E9901728B	Laboratory Blank	Lab QC	BLANK	7439-89-6	Iron	0.0059	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1545
ENV99-01	E9901728B	Laboratory Blank	Lab QC	BLANK	7440-50-8	Copper	0.0668	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1545
ENV99-01	E9901728BS	Lab. Blank Spike	Lab QC	BS	7440-43-9	Cadmium	97			%	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1549
ENV99-01	E9901728CS	Check Standard	Lab QC	CS	7439-98-7	Molybdenum	0.990	0.09	EDL	ug/g	Wet Wt	1	1	99	11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1552
ENV99-01	E9901728CS	Check Standard	Lab QC	CS	7440-66-6	Zinc	4.9	0.01	EDL	ug/g	Wet Wt	1	5	98	11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1552
ENV99-01	E9901728CS	Check Standard	Lab QC	CS	7440-43-9	Cadmium	0.980	0.02	EDL	ug/g	Wet Wt	1	1	98	11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1552
ENV99-01	E9901728CS	Check Standard	Lab QC	CS	7439-92-1	Lead	5.00	0.23	EDL	ug/g	Wet Wt	1	5	100	11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1552
ENV99-01	E9901728CS	Check Standard	Lab QC	CS	7439-96-5	Manganese	5.00	0.01	EDL	ug/g	Wet Wt	1	5	100	11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1552
ENV99-01	E9901728CS	Check Standard	Lab QC	CS	7439-89-6	Iron	4.9	0.04	EDL	ug/g	Wet Wt	1	5	98	11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1552
ENV99-01	E9901728CS	Check Standard	Lab QC	CS	7440-50-8	Copper	4.7	0.03	EDL	ug/g	Wet Wt	1	5	94	11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1552
ENV99-01	E9901728SR	House Ref. Liver	Tissue	HRL	7439-98-7	Molybdenum	3.000	0.09	EDL	ug/g	Wet Wt	1	3.17	95	11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1556
ENV99-01	E9901728SR	House Ref. Liver	Tissue	HRL	7440-66-6	Zinc	130	0.01	EDL	ug/g	Wet Wt	1	120	108	11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1556
ENV99-01	E9901728SR	House Ref. Liver	Tissue	HRL	7440-43-9	Cadmium	59.000	0.02	EDL	ug/g	Wet Wt	1	54.3	109	11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1556
ENV99-01	E9901728SR	House Ref. Liver	Tissue	HRL	7439-92-1	Lead	50.00	0.23	EDL	ug/g	Wet Wt	1	48	104	11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1556
ENV99-01	E9901728SR	House Ref. Liver	Tissue	HRL	7439-96-5	Manganese	12.00	0.01	EDL	ug/g	Wet Wt	1	10.1	119	11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1556
ENV99-01	E9901728SR	House Ref. Liver	Tissue	HRL	7439-89-6	Iron	200	0.04	EDL	ug/g	Wet Wt	1	183	109	11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1556
ENV99-01	E9901728SR	House Ref. Liver	Tissue	HRL	7440-50-8	Copper	130.0	0.03	EDL	ug/g	Wet Wt	1	123	106	11/2/1999	ICP - AES	HMICP_01-28-00	0128HMS/2	1/11-13/2000	1/28/2000	1556
ENV99-01	E9901729B	Laboratory Blank	Lab QC	BLANK	7439-98-7	Molybdenum	-0.0062	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1043
ENV99-01	E9901729B	Laboratory Blank	Lab QC	BLANK	7440-66-6	Zinc	-0.0393	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1203
ENV99-01	E9901729B	Laboratory Blank	Lab QC	BLANK	7440-43-9	Cadmium	0.0017	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1203
ENV99-01	E9901729B	Laboratory Blank	Lab QC	BLANK	7439-92-1	Lead	0.0266	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1203
ENV99-01	E9901729B	Laboratory Blank	Lab QC	BLANK	7439-96-5	Manganese	-0.0005	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1203
ENV99-01	E9901729B	Laboratory Blank	Lab QC	BLANK	7439-89-6	Iron	-0.0050	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1043
ENV99-01	E9901729B	Laboratory Blank	Lab QC	BLANK	7440-50-8	Copper	0.1291	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1043
ENV99-01	E9901729BS	Lab. Blank Spike	Lab QC	BS	7440-43-9	Cadmium	103			%	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1208
ENV99-01	E9901729CS	Check Standard	Lab QC	CS	7439-98-7	Molybdenum	1.100	0.09	EDL	ug/g	Wet Wt	1	1	110	11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1046
ENV99-01	E9901729CS	Check Standard	Lab QC	CS	7440-66-6	Zinc	5.0	0.01	EDL	ug/g	Wet Wt	1	5	100	11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1205
ENV99-01	E9901729CS	Check Standard	Lab QC	CS	7440-43-9	Cadmium	0.980	0.02	EDL	ug/g	Wet Wt	1	1	98	11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1205
ENV99-01	E9901729CS	Check Standard	Lab QC	CS	7439-92-1	Lead	5.10	0.23	EDL	ug/g	Wet Wt	1	5	102	11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1205
ENV99-01	E9901729CS	Check Standard	Lab QC	CS	7439-96-5	Manganese	5.10	0.01	EDL	ug/g	Wet Wt	1	5	102	11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1205
ENV99-01	E9901729CS	Check Standard	Lab QC	CS	7439-89-6	Iron	5.1	0.04	EDL	ug/g	Wet Wt	1	5	102	11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1046
ENV99-01	E9901729CS	Check Standard	Lab QC	CS	7440-50-8	Copper	5.1	0.03	EDL	ug/g	Wet Wt	1	5	102	11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1046

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
TRACE METALS BY ICP
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UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV99-01	E9901729SR	House Ref. Liver	Tissue	HRL	7439-98-7	Molybdenum	3.800	0.09	EDL	ug/g	Wet Wt	1	3.17	120	11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1051
ENV99-01	E9901729SR	House Ref. Liver	Tissue	HRL	7440-66-6	Zinc	120	0.01	EDL	ug/g	Wet Wt	1	120	100	11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1210
ENV99-01	E9901729SR	House Ref. Liver	Tissue	HRL	7440-43-9	Cadmium	53.000	0.02	EDL	ug/g	Wet Wt	1	54.3	98	11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1210
ENV99-01	E9901729SR	House Ref. Liver	Tissue	HRL	7439-92-1	Lead	49.00	0.23	EDL	ug/g	Wet Wt	1	48	102	11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1210
ENV99-01	E9901729SR	House Ref. Liver	Tissue	HRL	7439-96-5	Manganese	11.00	0.01	EDL	ug/g	Wet Wt	1	10.1	109	11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1210
ENV99-01	E9901729SR	House Ref. Liver	Tissue	HRL	7439-89-6	Iron	180	0.04	EDL	ug/g	Wet Wt	1	183	98	11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1051
ENV99-01	E9901729SR	House Ref. Liver	Tissue	HRL	7440-50-8	Copper	130.0	0.03	EDL	ug/g	Wet Wt	1	123	106	11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1051
ENV99-01	E9901729	202-9-003786	Liver	Primary	7439-98-7	Molybdenum	1.200	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1054
ENV99-01	E9901729	202-9-003786	Liver	Primary	7440-66-6	Zinc	22	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1213
ENV99-01	E9901729	202-9-003786	Liver	Primary	7440-43-9	Cadmium	0.230	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1213
ENV99-01	E9901729	202-9-003786	Liver	Primary	7439-92-1	Lead	0.41	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1213
ENV99-01	E9901729	202-9-003786	Liver	Primary	7439-96-5	Manganese	2.10	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1213
ENV99-01	E9901729	202-9-003786	Liver	Primary	7439-89-6	Iron	200	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1054
ENV99-01	E9901729	202-9-003786	Liver	Primary	7440-50-8	Copper	15.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1054
ENV99-01	E9901730	202-9-005862	Liver	Triplicate	7439-98-7	Molybdenum	1.200	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1058
ENV99-01	E9901730	202-9-005862	Liver	Triplicate	7440-66-6	Zinc	21	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1215
ENV99-01	E9901730	202-9-005862	Liver	Triplicate	7440-43-9	Cadmium	0.310	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1215
ENV99-01	E9901730	202-9-005862	Liver	Triplicate	7439-92-1	Lead	-0.2557	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1215
ENV99-01	E9901730	202-9-005862	Liver	Triplicate	7439-96-5	Manganese	2.70	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1215
ENV99-01	E9901730	202-9-005862	Liver	Triplicate	7439-89-6	Iron	220	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1058
ENV99-01	E9901730	202-9-005862	Liver	Triplicate	7440-50-8	Copper	62.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1058
ENV99-01	E9901730-2	202-9-005862	Liver	Triplicate	7439-98-7	Molybdenum	1.300	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1101
ENV99-01	E9901730-2	202-9-005862	Liver	Triplicate	7440-66-6	Zinc	25	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1218
ENV99-01	E9901730-2	202-9-005862	Liver	Triplicate	7440-43-9	Cadmium	0.360	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1218
ENV99-01	E9901730-2	202-9-005862	Liver	Triplicate	7439-92-1	Lead	0.1022	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1218
ENV99-01	E9901730-2	202-9-005862	Liver	Triplicate	7439-96-5	Manganese	3.10	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1218
ENV99-01	E9901730-2	202-9-005862	Liver	Triplicate	7439-89-6	Iron	220	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1101
ENV99-01	E9901730-2	202-9-005862	Liver	Triplicate	7440-50-8	Copper	77.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1101
ENV99-01	E9901730-3	202-9-005862	Liver	Triplicate	7439-98-7	Molybdenum	1.300	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1105
ENV99-01	E9901730-3	202-9-005862	Liver	Triplicate	7440-66-6	Zinc	25	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1220
ENV99-01	E9901730-3	202-9-005862	Liver	Triplicate	7440-43-9	Cadmium	0.360	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1220
ENV99-01	E9901730-3	202-9-005862	Liver	Triplicate	7439-92-1	Lead	0.25	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1220
ENV99-01	E9901730-3	202-9-005862	Liver	Triplicate	7439-96-5	Manganese	3.00	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1220
ENV99-01	E9901730-3	202-9-005862	Liver	Triplicate	7439-89-6	Iron	220	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1105
ENV99-01	E9901730-3	202-9-005862	Liver	Triplicate	7440-50-8	Copper	68.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1105
ENV99-01	E9901730MS	202-9-005862-MS	Liver	MS	7440-43-9	Cadmium	141			%	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1223
ENV99-01	E9901731	202-9-007411	Liver	Primary	7439-98-7	Molybdenum	1.800	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1112
ENV99-01	E9901731	202-9-007411	Liver	Primary	7440-66-6	Zinc	25	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1225
ENV99-01	E9901731	202-9-007411	Liver	Primary	7440-43-9	Cadmium	0.390	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1225
ENV99-01	E9901731	202-9-007411	Liver	Primary	7439-92-1	Lead	0.28	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1225
ENV99-01	E9901731	202-9-007411	Liver	Primary	7439-96-5	Manganese	2.70	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1225
ENV99-01	E9901731	202-9-007411	Liver	Primary	7439-89-6	Iron	220	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1112
ENV99-01	E9901731	202-9-007411	Liver	Primary	7440-50-8	Copper	45.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1112
ENV99-01	E9901733	202-9-502746	Liver	Primary	7439-98-7	Molybdenum	1.600	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1115
ENV99-01	E9901733	202-9-502746	Liver	Primary	7440-66-6	Zinc	28	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1228
ENV99-01	E9901733	202-9-502746	Liver	Primary	7440-43-9	Cadmium	0.740	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1228
ENV99-01	E9901733	202-9-502746	Liver	Primary	7439-92-1	Lead	-0.2379	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1228
ENV99-01	E9901733	202-9-502746	Liver	Primary	7439-96-5	Manganese	3.50	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1228
ENV99-01	E9901733	202-9-502746	Liver	Primary	7439-89-6	Iron	140	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1115
ENV99-01	E9901733	202-9-502746	Liver	Primary	7440-50-8	Copper	53.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1115
ENV99-01	E9901734	218-9-000273	Liver	Primary	7439-98-7	Molybdenum	1.100	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1119
ENV99-01	E9901734	218-9-000273	Liver	Primary	7440-66-6	Zinc	29	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1230

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV99-01	E9901734	218-9-000273	Liver	Primary	7440-43-9	Cadmium	0.250	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1230
ENV99-01	E9901734	218-9-000273	Liver	Primary	7439-92-1	Lead	0.77	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1230
ENV99-01	E9901734	218-9-000273	Liver	Primary	7439-96-5	Manganese	3.30	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1230
ENV99-01	E9901734	218-9-000273	Liver	Primary	7439-89-6	Iron	160	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1119
ENV99-01	E9901734	218-9-000273	Liver	Primary	7440-50-8	Copper	44.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1119
ENV99-01	E9901736	352-9-000257	Liver	Primary	7439-98-7	Molybdenum	1.600	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1122
ENV99-01	E9901736	352-9-000257	Liver	Primary	7440-66-6	Zinc	25	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1232
ENV99-01	E9901736	352-9-000257	Liver	Primary	7440-43-9	Cadmium	0.250	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1232
ENV99-01	E9901736	352-9-000257	Liver	Primary	7439-92-1	Lead	-0.1969	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1232
ENV99-01	E9901736	352-9-000257	Liver	Primary	7439-96-5	Manganese	3.00	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1232
ENV99-01	E9901736	352-9-000257	Liver	Primary	7439-89-6	Iron	210	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1122
ENV99-01	E9901736	352-9-000257	Liver	Primary	7440-50-8	Copper	21.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1122
ENV99-01	E9901737	803-9-00600	Liver	Primary	7439-98-7	Molybdenum	2.100	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1125
ENV99-01	E9901737	803-9-00600	Liver	Primary	7440-66-6	Zinc	36	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1235
ENV99-01	E9901737	803-9-00600	Liver	Primary	7440-43-9	Cadmium	0.340	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1235
ENV99-01	E9901737	803-9-00600	Liver	Primary	7439-92-1	Lead	0.1929	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1235
ENV99-01	E9901737	803-9-00600	Liver	Primary	7439-96-5	Manganese	2.60	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1235
ENV99-01	E9901737	803-9-00600	Liver	Primary	7439-89-6	Iron	260	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1125
ENV99-01	E9901737	803-9-00600	Liver	Primary	7440-50-8	Copper	41.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1125
ENV99-01	E9901737D	803-9-00600	Liver	Lab Duplicate	7439-98-7	Molybdenum	2.000	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1129
ENV99-01	E9901737D	803-9-00600	Liver	Lab Duplicate	7440-66-6	Zinc	36	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1238
ENV99-01	E9901737D	803-9-00600	Liver	Lab Duplicate	7440-43-9	Cadmium	0.350	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1238
ENV99-01	E9901737D	803-9-00600	Liver	Lab Duplicate	7439-92-1	Lead	-0.2019	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1238
ENV99-01	E9901737D	803-9-00600	Liver	Lab Duplicate	7439-96-5	Manganese	2.70	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1238
ENV99-01	E9901737D	803-9-00600	Liver	Lab Duplicate	7439-89-6	Iron	260	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1129
ENV99-01	E9901737D	803-9-00600	Liver	Lab Duplicate	7440-50-8	Copper	43.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1129
ENV99-01	E9901737B	Laboratory Blank	Lab QC	BLANK	7439-98-7	Molybdenum	-0.0013	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1132
ENV99-01	E9901737B	Laboratory Blank	Lab QC	BLANK	7440-66-6	Zinc	-0.0364	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1240
ENV99-01	E9901737B	Laboratory Blank	Lab QC	BLANK	7440-43-9	Cadmium	-0.0004	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1240
ENV99-01	E9901737B	Laboratory Blank	Lab QC	BLANK	7439-92-1	Lead	-0.0910	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1240
ENV99-01	E9901737B	Laboratory Blank	Lab QC	BLANK	7439-96-5	Manganese	0.0019	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1240
ENV99-01	E9901737B	Laboratory Blank	Lab QC	BLANK	7439-89-6	Iron	0.0347	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1132
ENV99-01	E9901737B	Laboratory Blank	Lab QC	BLANK	7440-50-8	Copper	0.042	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1132
ENV99-01	E9901737BS	Lab. Blank Spike	Lab QC	BS	7440-43-9	Cadmium	102			%	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1243
ENV99-01	E9901737CS	Check Standard	Lab QC	CS	7439-98-7	Molybdenum	1.000	0.09	EDL	ug/g	Wet Wt	1	1	100	11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1139
ENV99-01	E9901737CS	Check Standard	Lab QC	CS	7440-66-6	Zinc	5.0	0.01	EDL	ug/g	Wet Wt	1	5	100	11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1245
ENV99-01	E9901737CS	Check Standard	Lab QC	CS	7440-43-9	Cadmium	1.000	0.02	EDL	ug/g	Wet Wt	1	1	100	11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1245
ENV99-01	E9901737CS	Check Standard	Lab QC	CS	7439-92-1	Lead	5.10	0.23	EDL	ug/g	Wet Wt	1	5	102	11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1245
ENV99-01	E9901737CS	Check Standard	Lab QC	CS	7439-96-5	Manganese	5.00	0.01	EDL	ug/g	Wet Wt	1	5	100	11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1245
ENV99-01	E9901737CS	Check Standard	Lab QC	CS	7439-89-6	Iron	5.2	0.04	EDL	ug/g	Wet Wt	1	5	104	11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1139
ENV99-01	E9901737CS	Check Standard	Lab QC	CS	7440-50-8	Copper	4.7	0.03	EDL	ug/g	Wet Wt	1	5	94	11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1139
ENV99-01	E9901737SR	House Ref. Liver	Tissue	HRL	7439-98-7	Molybdenum	3.600	0.09	EDL	ug/g	Wet Wt	1	3.17	114	11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1142
ENV99-01	E9901737SR	House Ref. Liver	Tissue	HRL	7440-66-6	Zinc	140	0.01	EDL	ug/g	Wet Wt	1	120	117	11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1248
ENV99-01	E9901737SR	House Ref. Liver	Tissue	HRL	7440-43-9	Cadmium	63.000	0.02	EDL	ug/g	Wet Wt	1	54.3	116	11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1248
ENV99-01	E9901737SR	House Ref. Liver	Tissue	HRL	7439-92-1	Lead	54.00	0.23	EDL	ug/g	Wet Wt	1	48	113	11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1248
ENV99-01	E9901737SR	House Ref. Liver	Tissue	HRL	7439-96-5	Manganese	12.00	0.01	EDL	ug/g	Wet Wt	1	10.1	119	11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1248
ENV99-01	E9901737SR	House Ref. Liver	Tissue	HRL	7439-89-6	Iron	210	0.04	EDL	ug/g	Wet Wt	1	183	115	11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1142
ENV99-01	E9901737SR	House Ref. Liver	Tissue	HRL	7440-50-8	Copper	130.0	0.03	EDL	ug/g	Wet Wt	1	123	106	11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1142
ENV99-01	E9901786B	Laboratory Blank	Lab QC	BLANK	7440-66-6	Zinc	-0.0307	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1420
ENV99-01	E9901786B	Laboratory Blank	Lab QC	BLANK	7439-92-1	Lead	-0.0116	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1420
ENV99-01	E9901786B	Laboratory Blank	Lab QC	BLANK	7439-96-5	Manganese	0.0021	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1420
ENV99-01	E9901786B	Laboratory Blank	Lab QC	BLANK	7439-89-6	Iron	0.0326	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1420

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
TRACE METALS BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV99-01	E9901786B	Laboratory Blank	Lab QC	BLANK	7440-50-8	Copper	0.041	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1420
ENV99-01	E9901786CS	Check Standard	Lab QC	CS	7440-66-6	Zinc	5.2	0.01	EDL	ug/g	Wet Wt	1	5	104	11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1426
ENV99-01	E9901786CS	Check Standard	Lab QC	CS	7439-92-1	Lead	5.00	0.23	EDL	ug/g	Wet Wt	1	5	100	11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1426
ENV99-01	E9901786CS	Check Standard	Lab QC	CS	7439-96-5	Manganese	5.20	0.01	EDL	ug/g	Wet Wt	1	5	104	11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1426
ENV99-01	E9901786CS	Check Standard	Lab QC	CS	7439-89-6	Iron	5.3	0.04	EDL	ug/g	Wet Wt	1	5	106	11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1426
ENV99-01	E9901786CS	Check Standard	Lab QC	CS	7440-50-8	Copper	4.4	0.03	EDL	ug/g	Wet Wt	1	5	88	11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1426
ENV99-01	E9901786SR	House Ref. Liver	Tissue	HRL	7440-66-6	Zinc	130	0.01	EDL	ug/g	Wet Wt	1	120	108	11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1434
ENV99-01	E9901786SR	House Ref. Liver	Tissue	HRL	7439-92-1	Lead	58.00	0.23	EDL	ug/g	Wet Wt	1	48	121	11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1434
ENV99-01	E9901786SR	House Ref. Liver	Tissue	HRL	7439-96-5	Manganese	12.00	0.01	EDL	ug/g	Wet Wt	1	10.1	119	11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1434
ENV99-01	E9901786SR	House Ref. Liver	Tissue	HRL	7439-89-6	Iron	190.0	0.04	EDL	ug/g	Wet Wt	1	183	104	11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1434
ENV99-01	E9901786SR	House Ref. Liver	Tissue	HRL	7440-50-8	Copper	110	0.03	EDL	ug/g	Wet Wt	1	123	89	11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1434
ENV99-01	E9901786D	101-9-069187	Muscle	Lab Duplicate	7439-98-7	Molybdenum	-0.0773	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	2/2/2000	1612
ENV99-01	E9901786D	101-9-069187	Muscle	Lab Duplicate	7440-66-6	Zinc	26	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1441
ENV99-01	E9901786D	101-9-069187	Muscle	Lab Duplicate	7440-43-9	Cadmium	0.020	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	2/2/2000	1612
ENV99-01	E9901786D	101-9-069187	Muscle	Lab Duplicate	7439-92-1	Lead	-0.6892	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1441
ENV99-01	E9901786D	101-9-069187	Muscle	Lab Duplicate	7439-96-5	Manganese	0.26	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1441
ENV99-01	E9901786D	101-9-069187	Muscle	Lab Duplicate	7439-89-6	Iron	28.0	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1441
ENV99-01	E9901786D	101-9-069187	Muscle	Lab Duplicate	7440-50-8	Copper	2.4	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1441
ENV99-01	E9901786	101-9-069187	Muscle	Primary	7439-98-7	Molybdenum	-0.084	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	2/2/2000	1614
ENV99-01	E9901786	101-9-069187	Muscle	Primary	7440-66-6	Zinc	27	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1445
ENV99-01	E9901786	101-9-069187	Muscle	Primary	7440-43-9	Cadmium	0.017	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	2/2/2000	1614
ENV99-01	E9901786	101-9-069187	Muscle	Primary	7439-92-1	Lead	0.129	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1445
ENV99-01	E9901786	101-9-069187	Muscle	Primary	7439-96-5	Manganese	0.28	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1445
ENV99-01	E9901786	101-9-069187	Muscle	Primary	7439-89-6	Iron	30	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1445
ENV99-01	E9901786	101-9-069187	Muscle	Primary	7440-50-8	Copper	2.4	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1445
ENV99-01	E9901787	101-9-072990	Muscle	Primary	7439-98-7	Molybdenum	0.170	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	2/2/2000	1616
ENV99-01	E9901787	101-9-072990	Muscle	Primary	7440-66-6	Zinc	91	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1448
ENV99-01	E9901787	101-9-072990	Muscle	Primary	7440-43-9	Cadmium	0.0117	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	2/2/2000	1616
ENV99-01	E9901787	101-9-072990	Muscle	Primary	7439-92-1	Lead	0.0883	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1448
ENV99-01	E9901787	101-9-072990	Muscle	Primary	7439-96-5	Manganese	0.48	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1448
ENV99-01	E9901787	101-9-072990	Muscle	Primary	7439-89-6	Iron	48	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1448
ENV99-01	E9901787	101-9-072990	Muscle	Primary	7440-50-8	Copper	1.9	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1448
ENV99-01	E9901788	101-9-075567	Muscle	Primary	7439-98-7	Molybdenum	-0.0735	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	2/2/2000	1618
ENV99-01	E9901788	101-9-075567	Muscle	Primary	7440-66-6	Zinc	77	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1451
ENV99-01	E9901788	101-9-075567	Muscle	Primary	7440-43-9	Cadmium	0.030	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	2/2/2000	1618
ENV99-01	E9901788	101-9-075567	Muscle	Primary	7439-92-1	Lead	0.23	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1451
ENV99-01	E9901788	101-9-075567	Muscle	Primary	7439-96-5	Manganese	2.10	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1451
ENV99-01	E9901788	101-9-075567	Muscle	Primary	7439-89-6	Iron	55	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1451
ENV99-01	E9901788	101-9-075567	Muscle	Primary	7440-50-8	Copper	1.7	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1451
ENV99-01	E9901790	101-9-081312	Muscle	Primary	7439-98-7	Molybdenum	-0.0058	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	2/2/2000	1620
ENV99-01	E9901790	101-9-081312	Muscle	Primary	7440-66-6	Zinc	110	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1455
ENV99-01	E9901790	101-9-081312	Muscle	Primary	7440-43-9	Cadmium	0.038	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	2/2/2000	1620
ENV99-01	E9901790	101-9-081312	Muscle	Primary	7439-92-1	Lead	-0.2119	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1455
ENV99-01	E9901790	101-9-081312	Muscle	Primary	7439-96-5	Manganese	2.00	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1455
ENV99-01	E9901790	101-9-081312	Muscle	Primary	7439-89-6	Iron	53	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1455
ENV99-01	E9901790	101-9-081312	Muscle	Primary	7440-50-8	Copper	1.6	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1455
ENV99-01	E9901791	101-9-082092	Muscle	Triplicate	7439-98-7	Molybdenum	0.0257	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	2/2/2000	1623
ENV99-01	E9901791	101-9-082092	Muscle	Triplicate	7440-66-6	Zinc	38	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1458
ENV99-01	E9901791	101-9-082092	Muscle	Triplicate	7440-43-9	Cadmium	BDL	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	2/2/2000	1623
ENV99-01	E9901791	101-9-082092	Muscle	Triplicate	7439-92-1	Lead	-0.0353	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1458
ENV99-01	E9901791	101-9-082092	Muscle	Triplicate	7439-96-5	Manganese	0.20	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1458
ENV99-01	E9901791	101-9-082092	Muscle	Triplicate	7439-89-6	Iron	35	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1458

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
TRACE METALS BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV99-01	E9901791	101-9-082092	Muscle	Triplicate	7440-50-8	Copper	1.6	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1458
ENV99-01	E9901791-2	101-9-082092	Muscle	Triplicate	7439-98-7	Molybdenum	0.140	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	2/2/2000	1625
ENV99-01	E9901791-2	101-9-082092	Muscle	Triplicate	7440-66-6	Zinc	38	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1501
ENV99-01	E9901791-2	101-9-082092	Muscle	Triplicate	7440-43-9	Cadmium	0.0076	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	2/2/2000	1625
ENV99-01	E9901791-2	101-9-082092	Muscle	Triplicate	7439-92-1	Lead	-0.4086	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1501
ENV99-01	E9901791-2	101-9-082092	Muscle	Triplicate	7439-96-5	Manganese	0.19	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1501
ENV99-01	E9901791-2	101-9-082092	Muscle	Triplicate	7439-89-6	Iron	34	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1501
ENV99-01	E9901791-2	101-9-082092	Muscle	Triplicate	7440-50-8	Copper	1.6	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1501
ENV99-01	E9901791-3	101-9-082092	Muscle	Triplicate	7439-98-7	Molybdenum	0.110	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	2/2/2000	1627
ENV99-01	E9901791-3	101-9-082092	Muscle	Triplicate	7440-66-6	Zinc	44	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1505
ENV99-01	E9901791-3	101-9-082092	Muscle	Triplicate	7440-43-9	Cadmium	0.0061	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	2/2/2000	1627
ENV99-01	E9901791-3	101-9-082092	Muscle	Triplicate	7439-92-1	Lead	-0.0778	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1505
ENV99-01	E9901791-3	101-9-082092	Muscle	Triplicate	7439-96-5	Manganese	0.24	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1505
ENV99-01	E9901791-3	101-9-082092	Muscle	Triplicate	7439-89-6	Iron	38	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1505
ENV99-01	E9901791-3	101-9-082092	Muscle	Triplicate	7440-50-8	Copper	1.6	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1505
ENV99-01	E9901791MS	101-9-082092-MS	Muscle	MS	7440-43-9	Cadmium	97			%	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	2/2/2000	1631
ENV99-01	E9901793	101-9-082893	Muscle	Primary	7439-98-7	Molybdenum	-0.1791	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	2/2/2000	1634
ENV99-01	E9901793	101-9-082893	Muscle	Primary	7440-66-6	Zinc	28	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1513
ENV99-01	E9901793	101-9-082893	Muscle	Primary	7440-43-9	Cadmium	0.0008	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	2/2/2000	1634
ENV99-01	E9901793	101-9-082893	Muscle	Primary	7439-92-1	Lead	-0.3079	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1513
ENV99-01	E9901793	101-9-082893	Muscle	Primary	7439-96-5	Manganese	0.29	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1513
ENV99-01	E9901793	101-9-082893	Muscle	Primary	7439-89-6	Iron	28	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1513
ENV99-01	E9901793	101-9-082893	Muscle	Primary	7440-50-8	Copper	2.3	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1513
ENV99-01	E9901793B	Laboratory Blank	Lab QC	BLANK	7439-98-7	Molybdenum	0.0118	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	2/2/2000	1636
ENV99-01	E9901793B	Laboratory Blank	Lab QC	BLANK	7440-66-6	Zinc	-0.0325	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1516
ENV99-01	E9901793B	Laboratory Blank	Lab QC	BLANK	7440-43-9	Cadmium	-0.0027	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	2/2/2000	1636
ENV99-01	E9901793B	Laboratory Blank	Lab QC	BLANK	7439-92-1	Lead	-0.0230	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1516
ENV99-01	E9901793B	Laboratory Blank	Lab QC	BLANK	7439-96-5	Manganese	0.0033	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1516
ENV99-01	E9901793B	Laboratory Blank	Lab QC	BLANK	7439-89-6	Iron	0.0183	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1516
ENV99-01	E9901793B	Laboratory Blank	Lab QC	BLANK	7440-50-8	Copper	0.043	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1516
ENV99-01	E9901793BS	Lab. Blank Spike	Lab QC	BS	7440-43-9	Cadmium	92			%	Wet Wt	1			11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	2/2/2000	1639
ENV99-01	E9901793CS	Check Standard	Lab QC	CS	7439-98-7	Molybdenum	1.000	0.09	EDL	ug/g	Wet Wt	1	1	100	11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	2/2/2000	1641
ENV99-01	E9901793CS	Check Standard	Lab QC	CS	7440-66-6	Zinc	5.5	0.01	EDL	ug/g	Wet Wt	1	5	110	11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1523
ENV99-01	E9901793CS	Check Standard	Lab QC	CS	7440-43-9	Cadmium	0.970	0.02	EDL	ug/g	Wet Wt	1	1	97	11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	2/2/2000	1641
ENV99-01	E9901793CS	Check Standard	Lab QC	CS	7439-92-1	Lead	5.30	0.23	EDL	ug/g	Wet Wt	1	5	106	11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1523
ENV99-01	E9901793CS	Check Standard	Lab QC	CS	7439-96-5	Manganese	5.40	0.01	EDL	ug/g	Wet Wt	1	5	108	11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1523
ENV99-01	E9901793CS	Check Standard	Lab QC	CS	7439-89-6	Iron	5.5	0.04	EDL	ug/g	Wet Wt	1	5	110	11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1523
ENV99-01	E9901793CS	Check Standard	Lab QC	CS	7440-50-8	Copper	4.5	0.03	EDL	ug/g	Wet Wt	1	5	90	11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1523
ENV99-01	E9901793SR	House Ref. Liver	Tissue	HRL	7439-98-7	Molybdenum	3.600	0.09	EDL	ug/g	Wet Wt	1	3.17	114	11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	2/2/2000	1643
ENV99-01	E9901793SR	House Ref. Liver	Tissue	HRL	7440-66-6	Zinc	140	0.01	EDL	ug/g	Wet Wt	1	120	117	11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1526
ENV99-01	E9901793SR	House Ref. Liver	Tissue	HRL	7440-43-9	Cadmium	53.000	0.02	EDL	ug/g	Wet Wt	1	54.3	98	11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	2/2/2000	1643
ENV99-01	E9901793SR	House Ref. Liver	Tissue	HRL	7439-92-1	Lead	53.00	0.23	EDL	ug/g	Wet Wt	1	48	110	11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1526
ENV99-01	E9901793SR	House Ref. Liver	Tissue	HRL	7439-96-5	Manganese	12.00	0.01	EDL	ug/g	Wet Wt	1	10.1	119	11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1526
ENV99-01	E9901793SR	House Ref. Liver	Tissue	HRL	7439-89-6	Iron	200.0	0.04	EDL	ug/g	Wet Wt	1	183	109	11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1526
ENV99-01	E9901793SR	House Ref. Liver	Tissue	HRL	7440-50-8	Copper	120	0.03	EDL	ug/g	Wet Wt	1	123	98	11/2/1999	ICP - AES	HMICP_01-31-00	0128HMS/2	1/13-27/2000	1/31/2000	1526
ENV99-01	E9901835B	Laboratory Blank	Lab QC	BLANK	7439-98-7	Molybdenum	0.0003	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1208
ENV99-01	E9901835B	Laboratory Blank	Lab QC	BLANK	7440-66-6	Zinc	0.0013	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1208
ENV99-01	E9901835B	Laboratory Blank	Lab QC	BLANK	7440-43-9	Cadmium	-0.0000	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1208
ENV99-01	E9901835B	Laboratory Blank	Lab QC	BLANK	7439-92-1	Lead	-0.0198	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1208
ENV99-01	E9901835B	Laboratory Blank	Lab QC	BLANK	7439-96-5	Manganese	-0.0006	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1208
ENV99-01	E9901835B	Laboratory Blank	Lab QC	BLANK	7439-89-6	Iron	-0.0163	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1208
ENV99-01	E9901835B	Laboratory Blank	Lab QC	BLANK	7440-50-8	Copper	0.096	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1208

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
TRACE METALS BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV99-01	E9901835BS	Lab. Blank Spike	Lab QC	BS	7440-43-9	Cadmium	96			%	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1211
ENV99-01	E9901835C1	Check Standard	Lab QC	CS	7439-98-7	Molybdenum	0.980	0	EDL	ug/g	Wet Wt	1	1	98	11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1218
ENV99-01	E9901835C1	Check Standard	Lab QC	CS	7440-66-6	Zinc	4.9	0.01	EDL	ug/g	Wet Wt	1	5	98	11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1218
ENV99-01	E9901835C1	Check Standard	Lab QC	CS	7440-43-9	Cadmium	0.980	0.02	EDL	ug/g	Wet Wt	1	1	98	11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1218
ENV99-01	E9901835C1	Check Standard	Lab QC	CS	7439-92-1	Lead	5.10	0.23	EDL	ug/g	Wet Wt	1	5	102	11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1218
ENV99-01	E9901835C1	Check Standard	Lab QC	CS	7439-96-5	Manganese	5.000	0.01	EDL	ug/g	Wet Wt	1	5	100	11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1218
ENV99-01	E9901835C1	Check Standard	Lab QC	CS	7439-89-6	Iron	5.0	0.04	EDL	ug/g	Wet Wt	1	5	100	11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1218
ENV99-01	E9901835C1	Check Standard	Lab QC	CS	7440-50-8	Copper	4.90	0.03	EDL	ug/g	Wet Wt	1	5	98	11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1218
ENV99-01	E9901835SR	House Ref. Liver	Tissue	HRL	7439-98-7	Molybdenum	3.100	0.09	EDL	ug/g	Wet Wt	1	3.17	98	11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1221
ENV99-01	E9901835SR	House Ref. Liver	Tissue	HRL	7440-66-6	Zinc	120	0.01	EDL	ug/g	Wet Wt	1	120	100	11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1221
ENV99-01	E9901835SR	House Ref. Liver	Tissue	HRL	7440-43-9	Cadmium	55.000	0.02	EDL	ug/g	Wet Wt	1	54.3	101	11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1221
ENV99-01	E9901835SR	House Ref. Liver	Tissue	HRL	7439-92-1	Lead	49.00	0.23	EDL	ug/g	Wet Wt	1	48	102	11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1221
ENV99-01	E9901835SR	House Ref. Liver	Tissue	HRL	7439-96-5	Manganese	11.000	0.01	EDL	ug/g	Wet Wt	1	10.1	109	11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1221
ENV99-01	E9901835SR	House Ref. Liver	Tissue	HRL	7439-89-6	Iron	190	0.04	EDL	ug/g	Wet Wt	1	183	104	11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1221
ENV99-01	E9901835SR	House Ref. Liver	Tissue	HRL	7440-50-8	Copper	140.0	0.03	EDL	ug/g	Wet Wt	1	123	114	11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1221
ENV99-01	E9901835	108-9-003843	Muscle	Primary	7439-98-7	Molybdenum	-0.1406	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1224
ENV99-01	E9901835	108-9-003843	Muscle	Primary	7440-66-6	Zinc	43	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1224
ENV99-01	E9901835	108-9-003843	Muscle	Primary	7440-43-9	Cadmium	0.080	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1224
ENV99-01	E9901835	108-9-003843	Muscle	Primary	7439-92-1	Lead	-0.4432	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1224
ENV99-01	E9901835	108-9-003843	Muscle	Primary	7439-96-5	Manganese	0.580	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1224
ENV99-01	E9901835	108-9-003843	Muscle	Primary	7439-89-6	Iron	58.0	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1224
ENV99-01	E9901835	108-9-003843	Muscle	Primary	7440-50-8	Copper	3.00	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1224
ENV99-01	E9901837	108-9-005351	Muscle	Primary	7439-98-7	Molybdenum	-0.1858	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1228
ENV99-01	E9901837	108-9-005351	Muscle	Primary	7440-66-6	Zinc	26	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1228
ENV99-01	E9901837	108-9-005351	Muscle	Primary	7440-43-9	Cadmium	0.022	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1228
ENV99-01	E9901837	108-9-005351	Muscle	Primary	7439-92-1	Lead	-0.0374	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1228
ENV99-01	E9901837	108-9-005351	Muscle	Primary	7439-96-5	Manganese	0.180	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1228
ENV99-01	E9901837	108-9-005351	Muscle	Primary	7439-89-6	Iron	47.0	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1228
ENV99-01	E9901837	108-9-005351	Muscle	Primary	7440-50-8	Copper	2.40	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1228
ENV99-01	E9901838	112-9-000623	Muscle	Primary	7439-98-7	Molybdenum	0.0892	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1231
ENV99-01	E9901838	112-9-000623	Muscle	Primary	7440-66-6	Zinc	55	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1231
ENV99-01	E9901838	112-9-000623	Muscle	Primary	7440-43-9	Cadmium	0.036	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1231
ENV99-01	E9901838	112-9-000623	Muscle	Primary	7439-92-1	Lead	0.0640	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1231
ENV99-01	E9901838	112-9-000623	Muscle	Primary	7439-96-5	Manganese	0.240	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1231
ENV99-01	E9901838	112-9-000623	Muscle	Primary	7439-89-6	Iron	24.0	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1231
ENV99-01	E9901838	112-9-000623	Muscle	Primary	7440-50-8	Copper	2.40	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1231
ENV99-01	E9901838D	112-9-000623	Muscle	Lab Duplicate	7439-98-7	Molybdenum	0.0778	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1235
ENV99-01	E9901838D	112-9-000623	Muscle	Lab Duplicate	7440-66-6	Zinc	50	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1235
ENV99-01	E9901838D	112-9-000623	Muscle	Lab Duplicate	7440-43-9	Cadmium	0.080	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1235
ENV99-01	E9901838D	112-9-000623	Muscle	Lab Duplicate	7439-92-1	Lead	-0.4661	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1235
ENV99-01	E9901838D	112-9-000623	Muscle	Lab Duplicate	7439-96-5	Manganese	0.200	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1235
ENV99-01	E9901838D	112-9-000623	Muscle	Lab Duplicate	7439-89-6	Iron	21.0	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1235
ENV99-01	E9901838D	112-9-000623	Muscle	Lab Duplicate	7440-50-8	Copper	2.00	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1235
ENV99-01	E9901839	125-9-001720	Muscle	Primary	7439-98-7	Molybdenum	-0.0901	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1239
ENV99-01	E9901839	125-9-001720	Muscle	Primary	7440-66-6	Zinc	32	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1239
ENV99-01	E9901839	125-9-001720	Muscle	Primary	7440-43-9	Cadmium	0.064	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1239
ENV99-01	E9901839	125-9-001720	Muscle	Primary	7439-92-1	Lead	0.30	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1239
ENV99-01	E9901839	125-9-001720	Muscle	Primary	7439-96-5	Manganese	0.190	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1239
ENV99-01	E9901839	125-9-001720	Muscle	Primary	7439-89-6	Iron	30.0	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1239
ENV99-01	E9901839	125-9-001720	Muscle	Primary	7440-50-8	Copper	2.60	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1239
ENV99-01	E9901840	125-9-002440	Muscle	Primary	7439-98-7	Molybdenum	-0.2762	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1242
ENV99-01	E9901840	125-9-002440	Muscle	Primary	7440-66-6	Zinc	26	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1242

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
TRACE METALS BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV99-01	E9901840	125-9-002440	Muscle	Primary	7440-43-9	Cadmium	0.110	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1242
ENV99-01	E9901840	125-9-002440	Muscle	Primary	7439-92-1	Lead	0.1548	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1242
ENV99-01	E9901840	125-9-002440	Muscle	Primary	7439-96-5	Manganese	1.200	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1242
ENV99-01	E9901840	125-9-002440	Muscle	Primary	7439-89-6	Iron	84.0	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1242
ENV99-01	E9901840	125-9-002440	Muscle	Primary	7440-50-8	Copper	3.50	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1242
ENV99-01	E9901842	202-9-005862	Muscle	Triplicate	7439-98-7	Molybdenum	0.0445	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1249
ENV99-01	E9901842	202-9-005862	Muscle	Triplicate	7440-66-6	Zinc	60	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1249
ENV99-01	E9901842	202-9-005862	Muscle	Triplicate	7440-43-9	Cadmium	0.100	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1249
ENV99-01	E9901842	202-9-005862	Muscle	Triplicate	7439-92-1	Lead	0.63	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1249
ENV99-01	E9901842	202-9-005862	Muscle	Triplicate	7439-96-5	Manganese	0.360	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1249
ENV99-01	E9901842	202-9-005862	Muscle	Triplicate	7439-89-6	Iron	60.0	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1249
ENV99-01	E9901842	202-9-005862	Muscle	Triplicate	7440-50-8	Copper	2.20	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1249
ENV99-01	E9901842-2	202-9-005862	Muscle	Triplicate	7439-98-7	Molybdenum	-0.0186	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1252
ENV99-01	E9901842-2	202-9-005862	Muscle	Triplicate	7440-66-6	Zinc	57	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1252
ENV99-01	E9901842-2	202-9-005862	Muscle	Triplicate	7440-43-9	Cadmium	0.085	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1252
ENV99-01	E9901842-2	202-9-005862	Muscle	Triplicate	7439-92-1	Lead	0.0481	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1252
ENV99-01	E9901842-2	202-9-005862	Muscle	Triplicate	7439-96-5	Manganese	0.170	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1252
ENV99-01	E9901842-2	202-9-005862	Muscle	Triplicate	7439-89-6	Iron	32.0	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1252
ENV99-01	E9901842-2	202-9-005862	Muscle	Triplicate	7440-50-8	Copper	2.00	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1252
ENV99-01	E9901842-3	202-9-005862	Muscle	Triplicate	7439-98-7	Molybdenum	0.0494	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1255
ENV99-01	E9901842-3	202-9-005862	Muscle	Triplicate	7440-66-6	Zinc	56	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1255
ENV99-01	E9901842-3	202-9-005862	Muscle	Triplicate	7440-43-9	Cadmium	0.110	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1255
ENV99-01	E9901842-3	202-9-005862	Muscle	Triplicate	7439-92-1	Lead	0.1859	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1255
ENV99-01	E9901842-3	202-9-005862	Muscle	Triplicate	7439-96-5	Manganese	0.290	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1255
ENV99-01	E9901842-3	202-9-005862	Muscle	Triplicate	7439-89-6	Iron	47.0	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1255
ENV99-01	E9901842-3	202-9-005862	Muscle	Triplicate	7440-50-8	Copper	2.20	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1255
ENV99-01	E9901842MS	202-9-005862-MS	Muscle	MS	7440-43-9	Cadmium	107			%	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1259
ENV99-01	E9901844	202-9-007411	Muscle	Primary	7439-98-7	Molybdenum	0.0829	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1302
ENV99-01	E9901844	202-9-007411	Muscle	Primary	7440-66-6	Zinc	78	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1302
ENV99-01	E9901844	202-9-007411	Muscle	Primary	7440-43-9	Cadmium	0.074	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1302
ENV99-01	E9901844	202-9-007411	Muscle	Primary	7439-92-1	Lead	-0.2548	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1302
ENV99-01	E9901844	202-9-007411	Muscle	Primary	7439-96-5	Manganese	0.450	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1302
ENV99-01	E9901844	202-9-007411	Muscle	Primary	7439-89-6	Iron	36.0	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1302
ENV99-01	E9901844	202-9-007411	Muscle	Primary	7440-50-8	Copper	2.20	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1302
ENV99-01	E9901845	202-9-502746	Muscle	Primary	7439-98-7	Molybdenum	0.0701	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1306
ENV99-01	E9901845	202-9-502746	Muscle	Primary	7440-66-6	Zinc	66	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1306
ENV99-01	E9901845	202-9-502746	Muscle	Primary	7440-43-9	Cadmium	0.079	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1306
ENV99-01	E9901845	202-9-502746	Muscle	Primary	7439-92-1	Lead	-0.1938	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1306
ENV99-01	E9901845	202-9-502746	Muscle	Primary	7439-96-5	Manganese	6.700	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1306
ENV99-01	E9901845	202-9-502746	Muscle	Primary	7439-89-6	Iron	130.0	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1306
ENV99-01	E9901845	202-9-502746	Muscle	Primary	7440-50-8	Copper	2.20	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1306
ENV99-01	E9901846	202-9-502746	Muscle	Primary	7439-98-7	Molybdenum	0.0522	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1309
ENV99-01	E9901846	202-9-502746	Muscle	Primary	7440-66-6	Zinc	56	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1309
ENV99-01	E9901846	202-9-502746	Muscle	Primary	7440-43-9	Cadmium	0.092	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1309
ENV99-01	E9901846	202-9-502746	Muscle	Primary	7439-92-1	Lead	0.32	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1309
ENV99-01	E9901846	202-9-502746	Muscle	Primary	7439-96-5	Manganese	0.390	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1309
ENV99-01	E9901846	202-9-502746	Muscle	Primary	7439-89-6	Iron	84.0	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1309
ENV99-01	E9901846	202-9-502746	Muscle	Primary	7440-50-8	Copper	4.00	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1309
ENV99-01	E9901849	803-9-00600	Muscle	Primary	7439-98-7	Molybdenum	-0.1337	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1312
ENV99-01	E9901849	803-9-00600	Muscle	Primary	7440-66-6	Zinc	36	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1312
ENV99-01	E9901849	803-9-00600	Muscle	Primary	7440-43-9	Cadmium	0.077	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1312
ENV99-01	E9901849	803-9-00600	Muscle	Primary	7439-92-1	Lead	-0.0606	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1312

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
TRACE METALS BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV99-01	E9901849	803-9-00600	Muscle	Primary	7439-96-5	Manganese	0.200	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1312
ENV99-01	E9901849	803-9-00600	Muscle	Primary	7439-89-6	Iron	35.0	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1312
ENV99-01	E9901849	803-9-00600	Muscle	Primary	7440-50-8	Copper	2.70	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1312
ENV99-01	E9901850	101-9-018227	Liver	Primary	7439-98-7	Molybdenum	1.500	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1319
ENV99-01	E9901850	101-9-018227	Liver	Primary	7440-66-6	Zinc	21	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1319
ENV99-01	E9901850	101-9-018227	Liver	Primary	7440-43-9	Cadmium	0.390	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1319
ENV99-01	E9901850	101-9-018227	Liver	Primary	7439-92-1	Lead	-0.1846	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1319
ENV99-01	E9901850	101-9-018227	Liver	Primary	7439-96-5	Manganese	2.700	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1319
ENV99-01	E9901850	101-9-018227	Liver	Primary	7439-89-6	Iron	110.0	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1319
ENV99-01	E9901850	101-9-018227	Liver	Primary	7440-50-8	Copper	17.00	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1319
ENV99-01	E9901850B	Laboratory Blank	Lab QC	BLANK	7439-98-7	Molybdenum	0.0002	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1343
ENV99-01	E9901850B	Laboratory Blank	Lab QC	BLANK	7440-66-6	Zinc	0.021	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1343
ENV99-01	E9901850B	Laboratory Blank	Lab QC	BLANK	7440-43-9	Cadmium	0.0053	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1343
ENV99-01	E9901850B	Laboratory Blank	Lab QC	BLANK	7439-92-1	Lead	-0.0321	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1343
ENV99-01	E9901850B	Laboratory Blank	Lab QC	BLANK	7439-96-5	Manganese	0.0020	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1343
ENV99-01	E9901850B	Laboratory Blank	Lab QC	BLANK	7439-89-6	Iron	-0.0111	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1343
ENV99-01	E9901850B	Laboratory Blank	Lab QC	BLANK	7440-50-8	Copper	0.10	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1343
ENV99-01	E9901850BS	Lab. Blank Spike	Lab QC	BS	7440-43-9	Cadmium	92			%	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1346
ENV99-01	E9901850CS	Check Standard	Lab QC	CS	7439-98-7	Molybdenum	0.950	0.09	EDL	ug/g	Wet Wt	1	1	95	11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1350
ENV99-01	E9901850CS	Check Standard	Lab QC	CS	7440-66-6	Zinc	4.9	0.01	EDL	ug/g	Wet Wt	1	5	98	11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1350
ENV99-01	E9901850CS	Check Standard	Lab QC	CS	7440-43-9	Cadmium	0.980	0.02	EDL	ug/g	Wet Wt	1	1	98	11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1350
ENV99-01	E9901850CS	Check Standard	Lab QC	CS	7439-92-1	Lead	5.10	0.23	EDL	ug/g	Wet Wt	1	5	102	11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1350
ENV99-01	E9901850CS	Check Standard	Lab QC	CS	7439-96-5	Manganese	5.000	0.01	EDL	ug/g	Wet Wt	1	5	100	11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1350
ENV99-01	E9901850CS	Check Standard	Lab QC	CS	7439-89-6	Iron	5.0	0.04	EDL	ug/g	Wet Wt	1	5	100	11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1350
ENV99-01	E9901850CS	Check Standard	Lab QC	CS	7440-50-8	Copper	4.90	0.03	EDL	ug/g	Wet Wt	1	5	98	11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1350
ENV99-01	E9901850SR	House Ref. Liver	Tissue	HRL	7439-98-7	Molybdenum	3.700	0.09	EDL	ug/g	Wet Wt	1	3.17	117	11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1353
ENV99-01	E9901850SR	House Ref. Liver	Tissue	HRL	7440-66-6	Zinc	130	0.01	EDL	ug/g	Wet Wt	1	120	108	11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1353
ENV99-01	E9901850SR	House Ref. Liver	Tissue	HRL	7440-43-9	Cadmium	58.000	0.02	EDL	ug/g	Wet Wt	1	54.3	107	11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1353
ENV99-01	E9901850SR	House Ref. Liver	Tissue	HRL	7439-92-1	Lead	53.00	0.23	EDL	ug/g	Wet Wt	1	48	110	11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1353
ENV99-01	E9901850SR	House Ref. Liver	Tissue	HRL	7439-96-5	Manganese	12.000	0.01	EDL	ug/g	Wet Wt	1	10.1	119	11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1353
ENV99-01	E9901850SR	House Ref. Liver	Tissue	HRL	7439-89-6	Iron	200	0.04	EDL	ug/g	Wet Wt	1	183	109	11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1353
ENV99-01	E9901850SR	House Ref. Liver	Tissue	HRL	7440-50-8	Copper	134	0.03	EDL	ug/g	Wet Wt	1	123	109	11/2/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1353
ENV99-01	E9901891	101-9-000540	Liver	Primary	7439-98-7	Molybdenum	1.000	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1356
ENV99-01	E9901891	101-9-000540	Liver	Primary	7440-66-6	Zinc	24	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1356
ENV99-01	E9901891	101-9-000540	Liver	Primary	7440-43-9	Cadmium	0.310	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1356
ENV99-01	E9901891	101-9-000540	Liver	Primary	7439-92-1	Lead	-0.1669	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1356
ENV99-01	E9901891	101-9-000540	Liver	Primary	7439-96-5	Manganese	2.3	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1356
ENV99-01	E9901891	101-9-000540	Liver	Primary	7439-89-6	Iron	240	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1356
ENV99-01	E9901891	101-9-000540	Liver	Primary	7440-50-8	Copper	29.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1356
ENV99-01	E9901892	101-9-001509	Liver	Primary	7439-98-7	Molybdenum	1.300	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1400
ENV99-01	E9901892	101-9-001509	Liver	Primary	7440-66-6	Zinc	26	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1400
ENV99-01	E9901892	101-9-001509	Liver	Primary	7440-43-9	Cadmium	0.340	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1400
ENV99-01	E9901892	101-9-001509	Liver	Primary	7439-92-1	Lead	0.1133	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1400
ENV99-01	E9901892	101-9-001509	Liver	Primary	7439-96-5	Manganese	2.8	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1400
ENV99-01	E9901892	101-9-001509	Liver	Primary	7439-89-6	Iron	140	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1400
ENV99-01	E9901892	101-9-001509	Liver	Primary	7440-50-8	Copper	34.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1400
ENV99-01	E9901893	101-9-003717	Liver	Primary	7439-98-7	Molybdenum	1.300	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1403
ENV99-01	E9901893	101-9-003717	Liver	Primary	7440-66-6	Zinc	30	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1403
ENV99-01	E9901893	101-9-003717	Liver	Primary	7440-43-9	Cadmium	0.280	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1403
ENV99-01	E9901893	101-9-003717	Liver	Primary	7439-92-1	Lead	0.1797	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1403
ENV99-01	E9901893	101-9-003717	Liver	Primary	7439-96-5	Manganese	4.0	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1403
ENV99-01	E9901893	101-9-003717	Liver	Primary	7439-89-6	Iron	200	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1403

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
TRACE METALS BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV99-01	E9901893	101-9-003717	Liver	Primary	7440-50-8	Copper	26.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1403
ENV99-01	E9901894	101-9-003781	Liver	Primary	7439-98-7	Molybdenum	1.200	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1406
ENV99-01	E9901894	101-9-003781	Liver	Primary	7440-66-6	Zinc	21	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1406
ENV99-01	E9901894	101-9-003781	Liver	Primary	7440-43-9	Cadmium	0.140	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1406
ENV99-01	E9901894	101-9-003781	Liver	Primary	7439-92-1	Lead	-0.2806	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1406
ENV99-01	E9901894	101-9-003781	Liver	Primary	7439-96-5	Manganese	3.2	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1406
ENV99-01	E9901894	101-9-003781	Liver	Primary	7439-89-6	Iron	150	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1406
ENV99-01	E9901894	101-9-003781	Liver	Primary	7440-50-8	Copper	28.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1406
ENV99-01	E9901895	101-9-005127	Liver	Primary	7439-98-7	Molybdenum	1.000	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1413
ENV99-01	E9901895	101-9-005127	Liver	Primary	7440-66-6	Zinc	22	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1413
ENV99-01	E9901895	101-9-005127	Liver	Primary	7440-43-9	Cadmium	0.710	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1413
ENV99-01	E9901895	101-9-005127	Liver	Primary	7439-92-1	Lead	0.1339	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1413
ENV99-01	E9901895	101-9-005127	Liver	Primary	7439-96-5	Manganese	2.3	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1413
ENV99-01	E9901895	101-9-005127	Liver	Primary	7439-89-6	Iron	220	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1413
ENV99-01	E9901895	101-9-005127	Liver	Primary	7440-50-8	Copper	18.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1413
ENV99-01	E9901896	101-9-006611	Liver	Primary	7439-98-7	Molybdenum	1.100	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1416
ENV99-01	E9901896	101-9-006611	Liver	Primary	7440-66-6	Zinc	26	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1416
ENV99-01	E9901896	101-9-006611	Liver	Primary	7440-43-9	Cadmium	0.750	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1416
ENV99-01	E9901896	101-9-006611	Liver	Primary	7439-92-1	Lead	-0.7381	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1416
ENV99-01	E9901896	101-9-006611	Liver	Primary	7439-96-5	Manganese	2.7	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1416
ENV99-01	E9901896	101-9-006611	Liver	Primary	7439-89-6	Iron	150	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1416
ENV99-01	E9901896	101-9-006611	Liver	Primary	7440-50-8	Copper	35.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1416
ENV99-01	E9901897	101-9-006617	Liver	Triplicate	7439-98-7	Molybdenum	1.600	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1420
ENV99-01	E9901897	101-9-006617	Liver	Triplicate	7440-66-6	Zinc	24	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1420
ENV99-01	E9901897	101-9-006617	Liver	Triplicate	7440-43-9	Cadmium	0.320	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1420
ENV99-01	E9901897	101-9-006617	Liver	Triplicate	7439-92-1	Lead	0.28	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1420
ENV99-01	E9901897	101-9-006617	Liver	Triplicate	7439-96-5	Manganese	3.5	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1420
ENV99-01	E9901897	101-9-006617	Liver	Triplicate	7439-89-6	Iron	150	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1420
ENV99-01	E9901897	101-9-006617	Liver	Triplicate	7440-50-8	Copper	14.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1420
ENV99-01	E9901897-2	101-9-006617	Liver	Triplicate	7439-98-7	Molybdenum	1.800	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1423
ENV99-01	E9901897-2	101-9-006617	Liver	Triplicate	7440-66-6	Zinc	27	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1423
ENV99-01	E9901897-2	101-9-006617	Liver	Triplicate	7440-43-9	Cadmium	0.360	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1423
ENV99-01	E9901897-2	101-9-006617	Liver	Triplicate	7439-92-1	Lead	-0.1981	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1423
ENV99-01	E9901897-2	101-9-006617	Liver	Triplicate	7439-96-5	Manganese	3.8	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1423
ENV99-01	E9901897-2	101-9-006617	Liver	Triplicate	7439-89-6	Iron	160	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1423
ENV99-01	E9901897-2	101-9-006617	Liver	Triplicate	7440-50-8	Copper	16.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1423
ENV99-01	E9901897-3	101-9-006617	Liver	Triplicate	7439-98-7	Molybdenum	1.400	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1426
ENV99-01	E9901897-3	101-9-006617	Liver	Triplicate	7440-66-6	Zinc	27	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1426
ENV99-01	E9901897-3	101-9-006617	Liver	Triplicate	7440-43-9	Cadmium	0.340	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1426
ENV99-01	E9901897-3	101-9-006617	Liver	Triplicate	7439-92-1	Lead	-0.0204	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1426
ENV99-01	E9901897-3	101-9-006617	Liver	Triplicate	7439-96-5	Manganese	3.6	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1426
ENV99-01	E9901897-3	101-9-006617	Liver	Triplicate	7439-89-6	Iron	150	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1426
ENV99-01	E9901897-3	101-9-006617	Liver	Triplicate	7440-50-8	Copper	16.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1426
ENV99-01	E9901897MS	101-9-006617-MS	Liver	MS	7440-43-9	Cadmium	102			%	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1430
ENV99-01	E9901899	101-9-009231	Liver	Primary	7439-98-7	Molybdenum	1.400	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1433
ENV99-01	E9901899	101-9-009231	Liver	Primary	7440-66-6	Zinc	26	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1433
ENV99-01	E9901899	101-9-009231	Liver	Primary	7440-43-9	Cadmium	0.240	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1433
ENV99-01	E9901899	101-9-009231	Liver	Primary	7439-92-1	Lead	0.55	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1433
ENV99-01	E9901899	101-9-009231	Liver	Primary	7439-96-5	Manganese	2.6	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1433
ENV99-01	E9901899	101-9-009231	Liver	Primary	7439-89-6	Iron	160	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1433
ENV99-01	E9901899	101-9-009231	Liver	Primary	7440-50-8	Copper	53.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1433
ENV99-01	E9901899B	Laboratory Blank	Lab QC	BLANK	7439-98-7	Molybdenum	0.0023	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1438

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
TRACE METALS BY ICP
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UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV99-01	E9901899B	Laboratory Blank	Lab QC	BLANK	7440-66-6	Zinc	0.0037	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1438
ENV99-01	E9901899B	Laboratory Blank	Lab QC	BLANK	7440-43-9	Cadmium	-0.0018	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1438
ENV99-01	E9901899B	Laboratory Blank	Lab QC	BLANK	7439-92-1	Lead	0.0010	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1438
ENV99-01	E9901899B	Laboratory Blank	Lab QC	BLANK	7439-96-5	Manganese	0.0012	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1438
ENV99-01	E9901899B	Laboratory Blank	Lab QC	BLANK	7439-89-6	Iron	-0.0155	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1438
ENV99-01	E9901899B	Laboratory Blank	Lab QC	BLANK	7440-50-8	Copper	0.094	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1438
ENV99-01	E9901899BS	Lab. Blank Spike	Lab QC	BS	7440-43-9	Cadmium	91			%	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1444
ENV99-01	E9901899CS	Check Standard	Lab QC	CS	7439-98-7	Molybdenum	1.000	0.09	EDL	ug/g	Wet Wt	1	1	100	11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1448
ENV99-01	E9901899CS	Check Standard	Lab QC	CS	7440-66-6	Zinc	4.9	0.01	EDL	ug/g	Wet Wt	1	5	98	11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1448
ENV99-01	E9901899CS	Check Standard	Lab QC	CS	7440-43-9	Cadmium	0.990	0.02	EDL	ug/g	Wet Wt	1	1	99	11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1448
ENV99-01	E9901899CS	Check Standard	Lab QC	CS	7439-92-1	Lead	5.20	0.23	EDL	ug/g	Wet Wt	1	5	104	11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1448
ENV99-01	E9901899CS	Check Standard	Lab QC	CS	7439-96-5	Manganese	5.0	0.01	EDL	ug/g	Wet Wt	1	5	100	11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1448
ENV99-01	E9901899CS	Check Standard	Lab QC	CS	7439-89-6	Iron	5.1	0.04	EDL	ug/g	Wet Wt	1	5	102	11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1448
ENV99-01	E9901899CS	Check Standard	Lab QC	CS	7440-50-8	Copper	5.0	0.03	EDL	ug/g	Wet Wt	1	5	100	11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1448
ENV99-01	E9901899SR	House Ref. Liver	Tissue	HRL	7439-98-7	Molybdenum	3.700	0.09	EDL	ug/g	Wet Wt	1	3.17	117	11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1451
ENV99-01	E9901899SR	House Ref. Liver	Tissue	HRL	7440-66-6	Zinc	120	0.01	EDL	ug/g	Wet Wt	1	120	100	11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1451
ENV99-01	E9901899SR	House Ref. Liver	Tissue	HRL	7440-43-9	Cadmium	57.000	0.02	EDL	ug/g	Wet Wt	1	54.3	105	11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1451
ENV99-01	E9901899SR	House Ref. Liver	Tissue	HRL	7439-92-1	Lead	49.00	0.23	EDL	ug/g	Wet Wt	1	48	102	11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1451
ENV99-01	E9901899SR	House Ref. Liver	Tissue	HRL	7439-96-5	Manganese	11.0	0.01	EDL	ug/g	Wet Wt	1	10.1	109	11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1451
ENV99-01	E9901899SR	House Ref. Liver	Tissue	HRL	7439-89-6	Iron	190	0.04	EDL	ug/g	Wet Wt	1	183	104	11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1451
ENV99-01	E9901899SR	House Ref. Liver	Tissue	HRL	7440-50-8	Copper	130.0	0.03	EDL	ug/g	Wet Wt	1	123	106	11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1451
ENV99-01	E9901900	101-9-009926	Liver	Primary	7439-98-7	Molybdenum	1.900	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1454
ENV99-01	E9901900	101-9-009926	Liver	Primary	7440-66-6	Zinc	25	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1454
ENV99-01	E9901900	101-9-009926	Liver	Primary	7440-43-9	Cadmium	0.430	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1454
ENV99-01	E9901900	101-9-009926	Liver	Primary	7439-92-1	Lead	0.2136	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1454
ENV99-01	E9901900	101-9-009926	Liver	Primary	7439-96-5	Manganese	3.2	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1454
ENV99-01	E9901900	101-9-009926	Liver	Primary	7439-89-6	Iron	170	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1454
ENV99-01	E9901900	101-9-009926	Liver	Primary	7440-50-8	Copper	69.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1454
ENV99-01	E9901901	101-9-010800	Liver	Primary	7439-98-7	Molybdenum	1.200	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1458
ENV99-01	E9901901	101-9-010800	Liver	Primary	7440-66-6	Zinc	21	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1458
ENV99-01	E9901901	101-9-010800	Liver	Primary	7440-43-9	Cadmium	0.310	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1458
ENV99-01	E9901901	101-9-010800	Liver	Primary	7439-92-1	Lead	0.0238	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1458
ENV99-01	E9901901	101-9-010800	Liver	Primary	7439-96-5	Manganese	2.5	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1458
ENV99-01	E9901901	101-9-010800	Liver	Primary	7439-89-6	Iron	260	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1458
ENV99-01	E9901901	101-9-010800	Liver	Primary	7440-50-8	Copper	19.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1458
ENV99-01	E9901902	101-9-012050	Liver	Primary	7439-98-7	Molybdenum	0.340	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1501
ENV99-01	E9901902	101-9-012050	Liver	Primary	7440-66-6	Zinc	25	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1501
ENV99-01	E9901902	101-9-012050	Liver	Primary	7440-43-9	Cadmium	0.230	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1501
ENV99-01	E9901902	101-9-012050	Liver	Primary	7439-92-1	Lead	0.65	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1501
ENV99-01	E9901902	101-9-012050	Liver	Primary	7439-96-5	Manganese	1.5	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1501
ENV99-01	E9901902	101-9-012050	Liver	Primary	7439-89-6	Iron	94	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1501
ENV99-01	E9901902	101-9-012050	Liver	Primary	7440-50-8	Copper	16.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1501
ENV99-01	E9901902D	101-9-012050	Liver	Lab Duplicate	7439-98-7	Molybdenum	0.960	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1504
ENV99-01	E9901902D	101-9-012050	Liver	Lab Duplicate	7440-66-6	Zinc	20	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1504
ENV99-01	E9901902D	101-9-012050	Liver	Lab Duplicate	7440-43-9	Cadmium	0.320	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1504
ENV99-01	E9901902D	101-9-012050	Liver	Lab Duplicate	7439-92-1	Lead	0.2164	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1504
ENV99-01	E9901902D	101-9-012050	Liver	Lab Duplicate	7439-96-5	Manganese	1.8	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1504
ENV99-01	E9901902D	101-9-012050	Liver	Lab Duplicate	7439-89-6	Iron	140	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1504
ENV99-01	E9901902D	101-9-012050	Liver	Lab Duplicate	7440-50-8	Copper	26.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1504
ENV99-01	E9901903	101-9-018310	Liver	Primary	7439-98-7	Molybdenum	1.500	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1519
ENV99-01	E9901903	101-9-018310	Liver	Primary	7440-66-6	Zinc	28	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1519
ENV99-01	E9901903	101-9-018310	Liver	Primary	7440-43-9	Cadmium	0.350	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1519

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
TRACE METALS BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV99-01	E9901903	101-9-018310	Liver	Primary	7439-92-1	Lead	0.29	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1519
ENV99-01	E9901903	101-9-018310	Liver	Primary	7439-96-5	Manganese	2.4	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1519
ENV99-01	E9901903	101-9-018310	Liver	Primary	7439-89-6	Iron	210	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1519
ENV99-01	E9901903	101-9-018310	Liver	Primary	7440-50-8	Copper	45.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1519
ENV99-01	E9901904	101-9-018408	Liver	Primary	7439-98-7	Molybdenum	0.960	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1523
ENV99-01	E9901904	101-9-018408	Liver	Primary	7440-66-6	Zinc	18	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1523
ENV99-01	E9901904	101-9-018408	Liver	Primary	7440-43-9	Cadmium	0.360	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1523
ENV99-01	E9901904	101-9-018408	Liver	Primary	7439-92-1	Lead	0.27	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1523
ENV99-01	E9901904	101-9-018408	Liver	Primary	7439-96-5	Manganese	1.9	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1523
ENV99-01	E9901904	101-9-018408	Liver	Primary	7439-89-6	Iron	180	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1523
ENV99-01	E9901904	101-9-018408	Liver	Primary	7440-50-8	Copper	40.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1523
ENV99-01	E9901905	101-9-020486	Liver	Primary	7439-98-7	Molybdenum	1.400	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1526
ENV99-01	E9901905	101-9-020486	Liver	Primary	7440-66-6	Zinc	26	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1526
ENV99-01	E9901905	101-9-020486	Liver	Primary	7440-43-9	Cadmium	0.240	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1526
ENV99-01	E9901905	101-9-020486	Liver	Primary	7439-92-1	Lead	0.1779	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1526
ENV99-01	E9901905	101-9-020486	Liver	Primary	7439-96-5	Manganese	3.6	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1526
ENV99-01	E9901905	101-9-020486	Liver	Primary	7439-89-6	Iron	130	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1526
ENV99-01	E9901905	101-9-020486	Liver	Primary	7440-50-8	Copper	53.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1526
ENV99-01	E9901905D	101-9-020486	Liver	Lab Duplicate	7439-98-7	Molybdenum	1.500	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1529
ENV99-01	E9901905D	101-9-020486	Liver	Lab Duplicate	7440-66-6	Zinc	26	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1529
ENV99-01	E9901905D	101-9-020486	Liver	Lab Duplicate	7440-43-9	Cadmium	0.250	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1529
ENV99-01	E9901905D	101-9-020486	Liver	Lab Duplicate	7439-92-1	Lead	0.30	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1529
ENV99-01	E9901905D	101-9-020486	Liver	Lab Duplicate	7439-96-5	Manganese	3.6	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1529
ENV99-01	E9901905D	101-9-020486	Liver	Lab Duplicate	7439-89-6	Iron	130	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1529
ENV99-01	E9901905D	101-9-020486	Liver	Lab Duplicate	7440-50-8	Copper	52.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1529
ENV99-01	E9901905B	Laboratory Blank	Lab QC	BLANK	7439-98-7	Molybdenum	0.0009	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1533
ENV99-01	E9901905B	Laboratory Blank	Lab QC	BLANK	7440-66-6	Zinc	-0.0027	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1533
ENV99-01	E9901905B	Laboratory Blank	Lab QC	BLANK	7440-43-9	Cadmium	-0.0031	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1533
ENV99-01	E9901905B	Laboratory Blank	Lab QC	BLANK	7439-92-1	Lead	0.0198	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1533
ENV99-01	E9901905B	Laboratory Blank	Lab QC	BLANK	7439-96-5	Manganese	0.0004	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1533
ENV99-01	E9901905B	Laboratory Blank	Lab QC	BLANK	7439-89-6	Iron	-0.0243	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1533
ENV99-01	E9901905B	Laboratory Blank	Lab QC	BLANK	7440-50-8	Copper	0.095	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1533
ENV99-01	E9901905BS	Lab. Blank Spike	Lab QC	BS	7440-43-9	Cadmium	135			%	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1539
ENV99-01	E9901905CS	Check Standard	Lab QC	CS	7439-98-7	Molybdenum	1.000	0.09	EDL	ug/g	Wet Wt	1	1	100	11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1539
ENV99-01	E9901905CS	Check Standard	Lab QC	CS	7440-66-6	Zinc	5.0	0.01	EDL	ug/g	Wet Wt	1	5	100	11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1539
ENV99-01	E9901905CS	Check Standard	Lab QC	CS	7440-43-9	Cadmium	0.990	0.02	EDL	ug/g	Wet Wt	1	1	99	11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1539
ENV99-01	E9901905CS	Check Standard	Lab QC	CS	7439-92-1	Lead	5.20	0.23	EDL	ug/g	Wet Wt	1	5	104	11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1539
ENV99-01	E9901905CS	Check Standard	Lab QC	CS	7439-96-5	Manganese	5.0	0.01	EDL	ug/g	Wet Wt	1	5	100	11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1539
ENV99-01	E9901905CS	Check Standard	Lab QC	CS	7439-89-6	Iron	5.1	0.04	EDL	ug/g	Wet Wt	1	5	102	11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1539
ENV99-01	E9901905CS	Check Standard	Lab QC	CS	7440-50-8	Copper	5.1	0.03	EDL	ug/g	Wet Wt	1	5	102	11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1539
ENV99-01	E9901905SR	House Ref. Liver	Tissue	HRL	7439-98-7	Molybdenum	3.400	0.09	EDL	ug/g	Wet Wt	1	3.17	107	11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1551
ENV99-01	E9901905SR	House Ref. Liver	Tissue	HRL	7440-66-6	Zinc	120	0.01	EDL	ug/g	Wet Wt	1	120	100	11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1551
ENV99-01	E9901905SR	House Ref. Liver	Tissue	HRL	7440-43-9	Cadmium	55.000	0.02	EDL	ug/g	Wet Wt	1	54.3	101	11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1551
ENV99-01	E9901905SR	House Ref. Liver	Tissue	HRL	7439-92-1	Lead	49.00	0.23	EDL	ug/g	Wet Wt	1	48	102	11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1551
ENV99-01	E9901905SR	House Ref. Liver	Tissue	HRL	7439-96-5	Manganese	11.0	0.01	EDL	ug/g	Wet Wt	1	10.1	109	11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1551
ENV99-01	E9901905SR	House Ref. Liver	Tissue	HRL	7439-89-6	Iron	190	0.04	EDL	ug/g	Wet Wt	1	183	104	11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1551
ENV99-01	E9901905SR	House Ref. Liver	Tissue	HRL	7440-50-8	Copper	130.0	0.03	EDL	ug/g	Wet Wt	1	123	106	11/12/1999	ICP - AES	HMICP_02-02-00	0202HMS	1/31/2000	2/2/2000	1551
ENV99-01	E9901794B	Laboratory Blank	Lab QC	BLANK	7439-98-7	Molybdenum	0.0078	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1149
ENV99-01	E9901794B	Laboratory Blank	Lab QC	BLANK	7440-66-6	Zinc	-0.0439	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1149
ENV99-01	E9901794B	Laboratory Blank	Lab QC	BLANK	7440-43-9	Cadmium	-0.0070	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1149
ENV99-01	E9901794B	Laboratory Blank	Lab QC	BLANK	7439-92-1	Lead	-0.0073	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1149
ENV99-01	E9901794B	Laboratory Blank	Lab QC	BLANK	7439-96-5	Manganese	-0.0192	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1149

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
TRACE METALS BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV99-01	E9901794B	Laboratory Blank	Lab QC	BLANK	7439-89-6	Iron	0.0311	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1149
ENV99-01	E9901794B	Laboratory Blank	Lab QC	BLANK	7440-50-8	Copper	-0.0458	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1149
ENV99-01	E9901794BS	Lab. Blank Spike	Lab QC	BS	7440-43-9	Cadmium	111			%	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1152
ENV99-01	E9901794CS	Check Standard	Lab QC	CS	7439-98-7	Molybdenum	1.000	0.09	EDL	ug/g	Wet Wt	1	1	100	11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1156
ENV99-01	E9901794CS	Check Standard	Lab QC	CS	7440-66-6	Zinc	4.8	0.01	EDL	ug/g	Wet Wt	1	5	96	11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1156
ENV99-01	E9901794CS	Check Standard	Lab QC	CS	7440-43-9	Cadmium	0.980	0.02	EDL	ug/g	Wet Wt	1	1	98	11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1156
ENV99-01	E9901794CS	Check Standard	Lab QC	CS	7439-92-1	Lead	5.00	0.23	EDL	ug/g	Wet Wt	1	5	100	11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1156
ENV99-01	E9901794CS	Check Standard	Lab QC	CS	7439-96-5	Manganese	4.900	0.01	EDL	ug/g	Wet Wt	1	5	98	11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1156
ENV99-01	E9901794CS	Check Standard	Lab QC	CS	7439-89-6	Iron	4.9	0.04	EDL	ug/g	Wet Wt	1	5	98	11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1156
ENV99-01	E9901794CS	Check Standard	Lab QC	CS	7440-50-8	Copper	4.80	0.03	EDL	ug/g	Wet Wt	1	5	96	11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1156
ENV99-01	E9901794SR	House Ref. Liver	Tissue	HRL	7439-98-7	Molybdenum	4.400	0.09	EDL	ug/g	Wet Wt	1	3.17	139	11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1159
ENV99-01	E9901794SR	House Ref. Liver	Tissue	HRL	7440-66-6	Zinc	130	0.01	EDL	ug/g	Wet Wt	1	120	108	11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1159
ENV99-01	E9901794SR	House Ref. Liver	Tissue	HRL	7440-43-9	Cadmium	61.000	0.02	EDL	ug/g	Wet Wt	1	54.3	112	11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1159
ENV99-01	E9901794SR	House Ref. Liver	Tissue	HRL	7439-92-1	Lead	54.00	0.23	EDL	ug/g	Wet Wt	1	48	113	11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1159
ENV99-01	E9901794SR	House Ref. Liver	Tissue	HRL	7439-96-5	Manganese	12.000	0.01	EDL	ug/g	Wet Wt	1	10.1	119	11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1159
ENV99-01	E9901794SR	House Ref. Liver	Tissue	HRL	7439-89-6	Iron	200.0	0.04	EDL	ug/g	Wet Wt	1	183	109	11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1159
ENV99-01	E9901794SR	House Ref. Liver	Tissue	HRL	7440-50-8	Copper	140.00	0.03	EDL	ug/g	Wet Wt	1	123	114	11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1159
ENV99-01	E9901794	101-9-083966	Muscle	Primary	7439-98-7	Molybdenum	0.0810	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1202
ENV99-01	E9901794	101-9-083966	Muscle	Primary	7440-66-6	Zinc	100	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1202
ENV99-01	E9901794	101-9-083966	Muscle	Primary	7440-43-9	Cadmium	-0.0026	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1202
ENV99-01	E9901794	101-9-083966	Muscle	Primary	7439-92-1	Lead	0.60	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1202
ENV99-01	E9901794	101-9-083966	Muscle	Primary	7439-96-5	Manganese	0.380	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1202
ENV99-01	E9901794	101-9-083966	Muscle	Primary	7439-89-6	Iron	66.0	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1202
ENV99-01	E9901794	101-9-083966	Muscle	Primary	7440-50-8	Copper	1.30	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1202
ENV99-01	E9901807	102-9-010135	Muscle	Primary	7439-98-7	Molybdenum	0.140	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1210
ENV99-01	E9901807	102-9-010135	Muscle	Primary	7440-66-6	Zinc	50	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1210
ENV99-01	E9901807	102-9-010135	Muscle	Primary	7440-43-9	Cadmium	-0.0026	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1210
ENV99-01	E9901807	102-9-010135	Muscle	Primary	7439-92-1	Lead	0.1128	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1210
ENV99-01	E9901807	102-9-010135	Muscle	Primary	7439-96-5	Manganese	-0.0300	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1210
ENV99-01	E9901807	102-9-010135	Muscle	Primary	7439-89-6	Iron	35.0	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1210
ENV99-01	E9901807	102-9-010135	Muscle	Primary	7440-50-8	Copper	1.30	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1210
ENV99-01	E9901808	102-9-010277	Muscle	Primary	7439-98-7	Molybdenum	0.140	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1213
ENV99-01	E9901808	102-9-010277	Muscle	Primary	7440-66-6	Zinc	48	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1213
ENV99-01	E9901808	102-9-010277	Muscle	Primary	7440-43-9	Cadmium	-0.0126	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1213
ENV99-01	E9901808	102-9-010277	Muscle	Primary	7439-92-1	Lead	0.30	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1213
ENV99-01	E9901808	102-9-010277	Muscle	Primary	7439-96-5	Manganese	0.016	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1213
ENV99-01	E9901808	102-9-010277	Muscle	Primary	7439-89-6	Iron	19.0	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1213
ENV99-01	E9901808	102-9-010277	Muscle	Primary	7440-50-8	Copper	0.44	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1213
ENV99-01	E9901809D	102-9-010303	Muscle	Lab Duplicate	7439-98-7	Molybdenum	0.130	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1216
ENV99-01	E9901809D	102-9-010303	Muscle	Lab Duplicate	7440-66-6	Zinc	20	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1216
ENV99-01	E9901809D	102-9-010303	Muscle	Lab Duplicate	7440-43-9	Cadmium	-0.0257	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1216
ENV99-01	E9901809D	102-9-010303	Muscle	Lab Duplicate	7439-92-1	Lead	0.1733	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1216
ENV99-01	E9901809D	102-9-010303	Muscle	Lab Duplicate	7439-96-5	Manganese	0.420	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1216
ENV99-01	E9901809D	102-9-010303	Muscle	Lab Duplicate	7439-89-6	Iron	53.0	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1216
ENV99-01	E9901809D	102-9-010303	Muscle	Lab Duplicate	7440-50-8	Copper	1.60	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1216
ENV99-01	E9901809	102-9-010303	Muscle	Primary	7439-98-7	Molybdenum	0.130	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1220
ENV99-01	E9901809	102-9-010303	Muscle	Primary	7440-66-6	Zinc	20	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1220
ENV99-01	E9901809	102-9-010303	Muscle	Primary	7440-43-9	Cadmium	-0.0168	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1220
ENV99-01	E9901809	102-9-010303	Muscle	Primary	7439-92-1	Lead	0.0261	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1220
ENV99-01	E9901809	102-9-010303	Muscle	Primary	7439-96-5	Manganese	0.190	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1220
ENV99-01	E9901809	102-9-010303	Muscle	Primary	7439-89-6	Iron	50.0	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1220
ENV99-01	E9901809	102-9-010303	Muscle	Primary	7440-50-8	Copper	1.40	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1220

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
TRACE METALS BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV99-01	E9901813	102-9-012019	Muscle	Primary	7439-98-7	Molybdenum	0.0450	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1223
ENV99-01	E9901813	102-9-012019	Muscle	Primary	7440-66-6	Zinc	86	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1223
ENV99-01	E9901813	102-9-012019	Muscle	Primary	7440-43-9	Cadmium	0.0046	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1223
ENV99-01	E9901813	102-9-012019	Muscle	Primary	7439-92-1	Lead	0.32	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1223
ENV99-01	E9901813	102-9-012019	Muscle	Primary	7439-96-5	Manganese	0.620	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1223
ENV99-01	E9901813	102-9-012019	Muscle	Primary	7439-89-6	Iron	63.0	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1223
ENV99-01	E9901813	102-9-012019	Muscle	Primary	7440-50-8	Copper	1.20	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1223
ENV99-01	E9901814	104-9-001284	Muscle	Primary	7439-98-7	Molybdenum	0.0271	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1226
ENV99-01	E9901814	104-9-001284	Muscle	Primary	7440-66-6	Zinc	67	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1226
ENV99-01	E9901814	104-9-001284	Muscle	Primary	7440-43-9	Cadmium	0.0090	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1226
ENV99-01	E9901814	104-9-001284	Muscle	Primary	7439-92-1	Lead	0.1603	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1226
ENV99-01	E9901814	104-9-001284	Muscle	Primary	7439-96-5	Manganese	0.420	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1226
ENV99-01	E9901814	104-9-001284	Muscle	Primary	7439-89-6	Iron	44.0	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1226
ENV99-01	E9901814	104-9-001284	Muscle	Primary	7440-50-8	Copper	0.94	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1226
ENV99-01	E9901815	104-9-005505	Muscle	Triplicate	7439-98-7	Molybdenum	0.0145	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1230
ENV99-01	E9901815	104-9-005505	Muscle	Triplicate	7440-66-6	Zinc	30	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1230
ENV99-01	E9901815	104-9-005505	Muscle	Triplicate	7440-43-9	Cadmium	-0.0066	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1230
ENV99-01	E9901815	104-9-005505	Muscle	Triplicate	7439-92-1	Lead	0.1213	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1230
ENV99-01	E9901815	104-9-005505	Muscle	Triplicate	7439-96-5	Manganese	0.047	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1230
ENV99-01	E9901815	104-9-005505	Muscle	Triplicate	7439-89-6	Iron	28.0	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1230
ENV99-01	E9901815	104-9-005505	Muscle	Triplicate	7440-50-8	Copper	2.00	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1230
ENV99-01	E9901815-2	104-9-005505	Muscle	Triplicate	7439-98-7	Molybdenum	-0.0217	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1233
ENV99-01	E9901815-2	104-9-005505	Muscle	Triplicate	7440-66-6	Zinc	29	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1233
ENV99-01	E9901815-2	104-9-005505	Muscle	Triplicate	7440-43-9	Cadmium	-0.0313	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1233
ENV99-01	E9901815-2	104-9-005505	Muscle	Triplicate	7439-92-1	Lead	0.54	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1233
ENV99-01	E9901815-2	104-9-005505	Muscle	Triplicate	7439-96-5	Manganese	0.062	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1233
ENV99-01	E9901815-2	104-9-005505	Muscle	Triplicate	7439-89-6	Iron	30.0	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1233
ENV99-01	E9901815-2	104-9-005505	Muscle	Triplicate	7440-50-8	Copper	1.90	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1233
ENV99-01	E9901815-3	104-9-005505	Muscle	Triplicate	7439-98-7	Molybdenum	0.250	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1237
ENV99-01	E9901815-3	104-9-005505	Muscle	Triplicate	7440-66-6	Zinc	26	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1237
ENV99-01	E9901815-3	104-9-005505	Muscle	Triplicate	7440-43-9	Cadmium	-0.0412	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1237
ENV99-01	E9901815-3	104-9-005505	Muscle	Triplicate	7439-92-1	Lead	0.32	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1237
ENV99-01	E9901815-3	104-9-005505	Muscle	Triplicate	7439-96-5	Manganese	0.067	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1237
ENV99-01	E9901815-3	104-9-005505	Muscle	Triplicate	7439-89-6	Iron	28.0	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1237
ENV99-01	E9901815-3	104-9-005505	Muscle	Triplicate	7440-50-8	Copper	2.20	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1237
ENV99-01	E9901815MS	104-9-005505-MS	Muscle	MS	7440-43-9	Cadmium	97			%	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1240
ENV99-01	E9901817	104-9-009499	Muscle	Primary	7439-98-7	Molybdenum	0.120	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1247
ENV99-01	E9901817	104-9-009499	Muscle	Primary	7440-66-6	Zinc	110	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1247
ENV99-01	E9901817	104-9-009499	Muscle	Primary	7440-43-9	Cadmium	0.0178	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1247
ENV99-01	E9901817	104-9-009499	Muscle	Primary	7439-92-1	Lead	-0.1932	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1247
ENV99-01	E9901817	104-9-009499	Muscle	Primary	7439-96-5	Manganese	0.059	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1247
ENV99-01	E9901817	104-9-009499	Muscle	Primary	7439-89-6	Iron	47.0	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1247
ENV99-01	E9901817	104-9-009499	Muscle	Primary	7440-50-8	Copper	0.93	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1247
ENV99-01	E9901819	105-9-000606	Muscle	Primary	7439-98-7	Molybdenum	0.0639	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1250
ENV99-01	E9901819	105-9-000606	Muscle	Primary	7440-66-6	Zinc	90	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1250
ENV99-01	E9901819	105-9-000606	Muscle	Primary	7440-43-9	Cadmium	0.0159	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1250
ENV99-01	E9901819	105-9-000606	Muscle	Primary	7439-92-1	Lead	-0.0176	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1250
ENV99-01	E9901819	105-9-000606	Muscle	Primary	7439-96-5	Manganese	0.380	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1250
ENV99-01	E9901819	105-9-000606	Muscle	Primary	7439-89-6	Iron	56.0	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1250
ENV99-01	E9901819	105-9-000606	Muscle	Primary	7440-50-8	Copper	1.20	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1250
ENV99-01	E9901820	105-9-006076	Muscle	Primary	7439-98-7	Molybdenum	-0.0775	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1253
ENV99-01	E9901820	105-9-006076	Muscle	Primary	7440-66-6	Zinc	46	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1253

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
TRACE METALS BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV99-01	E9901820	105-9-006076	Muscle	Primary	7440-43-9	Cadmium	-0.0174	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1253
ENV99-01	E9901820	105-9-006076	Muscle	Primary	7439-92-1	Lead	0.0128	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1253
ENV99-01	E9901820	105-9-006076	Muscle	Primary	7439-96-5	Manganese	0.083	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1253
ENV99-01	E9901820	105-9-006076	Muscle	Primary	7439-89-6	Iron	38.0	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1253
ENV99-01	E9901820	105-9-006076	Muscle	Primary	7440-50-8	Copper	1.30	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1253
ENV99-01	E9901820B	Laboratory Blank	Lab QC	BLANK	7439-98-7	Molybdenum	-0.0017	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1257
ENV99-01	E9901820B	Laboratory Blank	Lab QC	BLANK	7440-66-6	Zinc	-0.0227	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1257
ENV99-01	E9901820B	Laboratory Blank	Lab QC	BLANK	7440-43-9	Cadmium	-0.0041	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1257
ENV99-01	E9901820B	Laboratory Blank	Lab QC	BLANK	7439-92-1	Lead	0.0171	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1257
ENV99-01	E9901820B	Laboratory Blank	Lab QC	BLANK	7439-96-5	Manganese	-0.192	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1257
ENV99-01	E9901820B	Laboratory Blank	Lab QC	BLANK	7439-89-6	Iron	0.0363	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1257
ENV99-01	E9901820B	Laboratory Blank	Lab QC	BLANK	7440-50-8	Copper	-0.0436	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1257
ENV99-01	E9901820BS	Lab. Blank Spike	Lab QC	BS	7440-43-9	Cadmium	95			%	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1300
ENV99-01	E9901820CS	Check Standard	Lab QC	CS	7439-98-7	Molybdenum	0.990	0.09	EDL	ug/g	Wet Wt	1	1	99	11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1303
ENV99-01	E9901820CS	Check Standard	Lab QC	CS	7440-66-6	Zinc	4.9	0.01	EDL	ug/g	Wet Wt	1	5	98	11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1303
ENV99-01	E9901820CS	Check Standard	Lab QC	CS	7440-43-9	Cadmium	1.000	0.02	EDL	ug/g	Wet Wt	1	1	100	11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1303
ENV99-01	E9901820CS	Check Standard	Lab QC	CS	7439-92-1	Lead	5.20	0.23	EDL	ug/g	Wet Wt	1	5	104	11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1303
ENV99-01	E9901820CS	Check Standard	Lab QC	CS	7439-96-5	Manganese	5.100	0.01	EDL	ug/g	Wet Wt	1	5	102	11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1303
ENV99-01	E9901820CS	Check Standard	Lab QC	CS	7439-89-6	Iron	5.1	0.04	EDL	ug/g	Wet Wt	1	5	102	11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1303
ENV99-01	E9901820CS	Check Standard	Lab QC	CS	7440-50-8	Copper	5.10	0.03	EDL	ug/g	Wet Wt	1	5	102	11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1303
ENV99-01	E9901820SR	House Ref. Liver	Tissue	HRL	7439-98-7	Molybdenum	3.900	0.09	EDL	ug/g	Wet Wt	1	3.17	123	11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1307
ENV99-01	E9901820SR	House Ref. Liver	Tissue	HRL	7440-66-6	Zinc	130	0.01	EDL	ug/g	Wet Wt	1	120	108	11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1307
ENV99-01	E9901820SR	House Ref. Liver	Tissue	HRL	7440-43-9	Cadmium	60.000	0.02	EDL	ug/g	Wet Wt	1	54.3	110	11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1307
ENV99-01	E9901820SR	House Ref. Liver	Tissue	HRL	7439-92-1	Lead	54.00	0.23	EDL	ug/g	Wet Wt	1	48	113	11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1307
ENV99-01	E9901820SR	House Ref. Liver	Tissue	HRL	7439-96-5	Manganese	12.000	0.01	EDL	ug/g	Wet Wt	1	10.1	119	11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1307
ENV99-01	E9901820SR	House Ref. Liver	Tissue	HRL	7439-89-6	Iron	200.0	0.04	EDL	ug/g	Wet Wt	1	183	109	11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1307
ENV99-01	E9901820SR	House Ref. Liver	Tissue	HRL	7440-50-8	Copper	150.00	0.03	EDL	ug/g	Wet Wt	1	123	122	11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1307
ENV99-01	E9901821	105-9-006125	Muscle	Triplicate	7439-98-7	Molybdenum	0.0440	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1317
ENV99-01	E9901821	105-9-006125	Muscle	Triplicate	7440-66-6	Zinc	19	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1317
ENV99-01	E9901821	105-9-006125	Muscle	Triplicate	7440-43-9	Cadmium	-0.0123	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1317
ENV99-01	E9901821	105-9-006125	Muscle	Triplicate	7439-92-1	Lead	0.1520	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1317
ENV99-01	E9901821	105-9-006125	Muscle	Triplicate	7439-96-5	Manganese	0.056	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1317
ENV99-01	E9901821	105-9-006125	Muscle	Triplicate	7439-89-6	Iron	40.0	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1317
ENV99-01	E9901821	105-9-006125	Muscle	Triplicate	7440-50-8	Copper	2.10	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1317
ENV99-01	E9901821-2	105-9-006125	Muscle	Triplicate	7439-98-7	Molybdenum	0.130	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1320
ENV99-01	E9901821-2	105-9-006125	Muscle	Triplicate	7440-66-6	Zinc	17	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1320
ENV99-01	E9901821-2	105-9-006125	Muscle	Triplicate	7440-43-9	Cadmium	0.0054	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1320
ENV99-01	E9901821-2	105-9-006125	Muscle	Triplicate	7439-92-1	Lead	-0.2724	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1320
ENV99-01	E9901821-2	105-9-006125	Muscle	Triplicate	7439-96-5	Manganese	0.024	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1320
ENV99-01	E9901821-2	105-9-006125	Muscle	Triplicate	7439-89-6	Iron	35.0	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1320
ENV99-01	E9901821-2	105-9-006125	Muscle	Triplicate	7440-50-8	Copper	1.90	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1320
ENV99-01	E9901821-3	105-9-006125	Muscle	Triplicate	7439-98-7	Molybdenum	-0.3618	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1324
ENV99-01	E9901821-3	105-9-006125	Muscle	Triplicate	7440-66-6	Zinc	20	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1324
ENV99-01	E9901821-3	105-9-006125	Muscle	Triplicate	7440-43-9	Cadmium	-0.0054	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1324
ENV99-01	E9901821-3	105-9-006125	Muscle	Triplicate	7439-92-1	Lead	-0.1259	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1324
ENV99-01	E9901821-3	105-9-006125	Muscle	Triplicate	7439-96-5	Manganese	0.068	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1324
ENV99-01	E9901821-3	105-9-006125	Muscle	Triplicate	7439-89-6	Iron	47.0	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1324
ENV99-01	E9901821-3	105-9-006125	Muscle	Triplicate	7440-50-8	Copper	2.20	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1324
ENV99-01	E9901821MS	105-9-006125-MS	Muscle	MS	7440-43-9	Cadmium	109			%	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1328
ENV99-01	E9901823	106-9-001250	Muscle	Primary	7439-98-7	Molybdenum	0.160	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1331
ENV99-01	E9901823	106-9-001250	Muscle	Primary	7440-66-6	Zinc	27	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1331
ENV99-01	E9901823	106-9-001250	Muscle	Primary	7440-43-9	Cadmium	0.0062	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1331

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV99-01	E9901823	106-9-001250	Muscle	Primary	7439-92-1	Lead	-0.1696	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1331
ENV99-01	E9901823	106-9-001250	Muscle	Primary	7439-96-5	Manganese	0.190	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1331
ENV99-01	E9901823	106-9-001250	Muscle	Primary	7439-89-6	Iron	39.0	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1331
ENV99-01	E9901823	106-9-001250	Muscle	Primary	7440-50-8	Copper	2.40	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1331
ENV99-01	E9901824	106-9-006628	Muscle	Primary	7439-98-7	Molybdenum	-0.0012	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1335
ENV99-01	E9901824	106-9-006628	Muscle	Primary	7440-66-6	Zinc	25	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1335
ENV99-01	E9901824	106-9-006628	Muscle	Primary	7440-43-9	Cadmium	0.0012	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1335
ENV99-01	E9901824	106-9-006628	Muscle	Primary	7439-92-1	Lead	0.0727	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1335
ENV99-01	E9901824	106-9-006628	Muscle	Primary	7439-96-5	Manganese	0.190	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1335
ENV99-01	E9901824	106-9-006628	Muscle	Primary	7439-89-6	Iron	57.0	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1335
ENV99-01	E9901824	106-9-006628	Muscle	Primary	7440-50-8	Copper	1.50	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1335
ENV99-01	E9901827D	106-9-010309	Muscle	Lab Duplicate	7439-98-7	Molybdenum	-0.0059	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1338
ENV99-01	E9901827D	106-9-010309	Muscle	Lab Duplicate	7440-66-6	Zinc	39	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1338
ENV99-01	E9901827D	106-9-010309	Muscle	Lab Duplicate	7440-43-9	Cadmium	0.021	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1338
ENV99-01	E9901827D	106-9-010309	Muscle	Lab Duplicate	7439-92-1	Lead	0.0234	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1338
ENV99-01	E9901827D	106-9-010309	Muscle	Lab Duplicate	7439-96-5	Manganese	0.060	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1338
ENV99-01	E9901827D	106-9-010309	Muscle	Lab Duplicate	7439-89-6	Iron	29.0	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1338
ENV99-01	E9901827D	106-9-010309	Muscle	Lab Duplicate	7440-50-8	Copper	1.40	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1338
ENV99-01	E9901827	106-9-010309	Muscle	Primary	7439-98-7	Molybdenum	0.220	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1341
ENV99-01	E9901827	106-9-010309	Muscle	Primary	7440-66-6	Zinc	40	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1341
ENV99-01	E9901827	106-9-010309	Muscle	Primary	7440-43-9	Cadmium	-0.0043	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1341
ENV99-01	E9901827	106-9-010309	Muscle	Primary	7439-92-1	Lead	-0.3890	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1341
ENV99-01	E9901827	106-9-010309	Muscle	Primary	7439-96-5	Manganese	-0.0066	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1341
ENV99-01	E9901827	106-9-010309	Muscle	Primary	7439-89-6	Iron	26.0	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1341
ENV99-01	E9901827	106-9-010309	Muscle	Primary	7440-50-8	Copper	1.60	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1341
ENV99-01	E9901829	107-9-002807	Muscle	Primary	7439-98-7	Molybdenum	-0.2015	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1345
ENV99-01	E9901829	107-9-002807	Muscle	Primary	7440-66-6	Zinc	80	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1345
ENV99-01	E9901829	107-9-002807	Muscle	Primary	7440-43-9	Cadmium	0.033	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1345
ENV99-01	E9901829	107-9-002807	Muscle	Primary	7439-92-1	Lead	-0.1366	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1345
ENV99-01	E9901829	107-9-002807	Muscle	Primary	7439-96-5	Manganese	0.140	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1345
ENV99-01	E9901829	107-9-002807	Muscle	Primary	7439-89-6	Iron	100.0	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1345
ENV99-01	E9901829	107-9-002807	Muscle	Primary	7440-50-8	Copper	0.86	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1345
ENV99-01	E9901830	107-9-007918	Muscle	Primary	7439-98-7	Molybdenum	0.310	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1348
ENV99-01	E9901830	107-9-007918	Muscle	Primary	7440-66-6	Zinc	69	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1348
ENV99-01	E9901830	107-9-007918	Muscle	Primary	7440-43-9	Cadmium	0.046	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1348
ENV99-01	E9901830	107-9-007918	Muscle	Primary	7439-92-1	Lead	0.30	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1348
ENV99-01	E9901830	107-9-007918	Muscle	Primary	7439-96-5	Manganese	1.200	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1348
ENV99-01	E9901830	107-9-007918	Muscle	Primary	7439-89-6	Iron	58.0	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1348
ENV99-01	E9901830	107-9-007918	Muscle	Primary	7440-50-8	Copper	1.20	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1348
ENV99-01	E9901832	108-9-001128	Muscle	Primary	7439-98-7	Molybdenum	0.130	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1355
ENV99-01	E9901832	108-9-001128	Muscle	Primary	7440-66-6	Zinc	80	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1355
ENV99-01	E9901832	108-9-001128	Muscle	Primary	7440-43-9	Cadmium	0.110	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1355
ENV99-01	E9901832	108-9-001128	Muscle	Primary	7439-92-1	Lead	0.28	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1355
ENV99-01	E9901832	108-9-001128	Muscle	Primary	7439-96-5	Manganese	1.200	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1355
ENV99-01	E9901832	108-9-001128	Muscle	Primary	7439-89-6	Iron	130.0	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1355
ENV99-01	E9901832	108-9-001128	Muscle	Primary	7440-50-8	Copper	2.90	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1355
ENV99-01	E9901833	108-9-001232	Muscle	Primary	7439-98-7	Molybdenum	0.110	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1358
ENV99-01	E9901833	108-9-001232	Muscle	Primary	7440-66-6	Zinc	32	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1358
ENV99-01	E9901833	108-9-001232	Muscle	Primary	7440-43-9	Cadmium	0.021	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1358
ENV99-01	E9901833	108-9-001232	Muscle	Primary	7439-92-1	Lead	-0.2082	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1358
ENV99-01	E9901833	108-9-001232	Muscle	Primary	7439-96-5	Manganese	0.120	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1358
ENV99-01	E9901833	108-9-001232	Muscle	Primary	7439-89-6	Iron	32.0	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1358

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
TRACE METALS BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV99-01	E9901833	108-9-001232	Muscle	Primary	7440-50-8	Copper	2.50	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1358
ENV99-01	E9901833B	Laboratory Blank	Lab QC	BLANK	7439-98-7	Molybdenum	-0.0001	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1401
ENV99-01	E9901833B	Laboratory Blank	Lab QC	BLANK	7440-66-6	Zinc	-0.0287	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1401
ENV99-01	E9901833B	Laboratory Blank	Lab QC	BLANK	7440-43-9	Cadmium	-0.0043	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1401
ENV99-01	E9901833B	Laboratory Blank	Lab QC	BLANK	7439-92-1	Lead	-0.0060	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1401
ENV99-01	E9901833B	Laboratory Blank	Lab QC	BLANK	7439-96-5	Manganese	-0.0181	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1401
ENV99-01	E9901833B	Laboratory Blank	Lab QC	BLANK	7439-89-6	Iron	0.0368	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1401
ENV99-01	E9901833B	Laboratory Blank	Lab QC	BLANK	7440-50-8	Copper	-0.0435	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1401
ENV99-01	E9901833BS	Lab. Blank Spike	Lab QC	BS	7440-43-9	Cadmium	101			%	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1405
ENV99-01	E9901833CS	Check Standard	Lab QC	CS	7439-98-7	Molybdenum	0.990	0.09	EDL	ug/g	Wet Wt	1	1	99	11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1408
ENV99-01	E9901833CS	Check Standard	Lab QC	CS	7440-66-6	Zinc	4.8	0.01	EDL	ug/g	Wet Wt	1	5	96	11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1408
ENV99-01	E9901833CS	Check Standard	Lab QC	CS	7440-43-9	Cadmium	0.970	0.02	EDL	ug/g	Wet Wt	1	1	97	11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1408
ENV99-01	E9901833CS	Check Standard	Lab QC	CS	7439-92-1	Lead	5.10	0.23	EDL	ug/g	Wet Wt	1	5	102	11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1408
ENV99-01	E9901833CS	Check Standard	Lab QC	CS	7439-96-5	Manganese	5.100	0.01	EDL	ug/g	Wet Wt	1	5	102	11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1408
ENV99-01	E9901833CS	Check Standard	Lab QC	CS	7439-89-6	Iron	5.0	0.04	EDL	ug/g	Wet Wt	1	5	100	11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1408
ENV99-01	E9901833CS	Check Standard	Lab QC	CS	7440-50-8	Copper	4.90	0.03	EDL	ug/g	Wet Wt	1	5	98	11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1408
ENV99-01	E9901833SR	House Ref. Liver	Tissue	HRL	7439-98-7	Molybdenum	3.800	0.09	EDL	ug/g	Wet Wt	1	3.17	120	11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1411
ENV99-01	E9901833SR	House Ref. Liver	Tissue	HRL	7440-66-6	Zinc	120	0.01	EDL	ug/g	Wet Wt	1	120	100	11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1411
ENV99-01	E9901833SR	House Ref. Liver	Tissue	HRL	7440-43-9	Cadmium	57.000	0.02	EDL	ug/g	Wet Wt	1	54.3	105	11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1411
ENV99-01	E9901833SR	House Ref. Liver	Tissue	HRL	7439-92-1	Lead	50.00	0.23	EDL	ug/g	Wet Wt	1	48	104	11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1411
ENV99-01	E9901833SR	House Ref. Liver	Tissue	HRL	7439-96-5	Manganese	11.000	0.01	EDL	ug/g	Wet Wt	1	10.1	109	11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1411
ENV99-01	E9901833SR	House Ref. Liver	Tissue	HRL	7439-89-6	Iron	190.0	0.04	EDL	ug/g	Wet Wt	1	183	104	11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1411
ENV99-01	E9901833SR	House Ref. Liver	Tissue	HRL	7440-50-8	Copper	130.00	0.03	EDL	ug/g	Wet Wt	1	123	106	11/2/1999	ICP - AES	HMICP_02-03-00	0202HMS3	1/27/2000	2/3/2000	1411
ENV99-01	E9901738B	Laboratory Blank	Lab QC	BLANK	7439-98-7	Molybdenum	-0.0010	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1003
ENV99-01	E9901738B	Laboratory Blank	Lab QC	BLANK	7440-66-6	Zinc	0.005	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1025
ENV99-01	E9901738B	Laboratory Blank	Lab QC	BLANK	7440-43-9	Cadmium	0.0015	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1003
ENV99-01	E9901738B	Laboratory Blank	Lab QC	BLANK	7439-92-1	Lead	-0.0015	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1003
ENV99-01	E9901738B	Laboratory Blank	Lab QC	BLANK	7439-96-5	Manganese	0.0015	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1003
ENV99-01	E9901738B	Laboratory Blank	Lab QC	BLANK	7439-89-6	Iron	0.0075	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1003
ENV99-01	E9901738B	Laboratory Blank	Lab QC	BLANK	7440-50-8	Copper	-0.0287	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1003
ENV99-01	E9901738BS	Lab. Blank Spike	Lab QC	BS	7440-43-9	Cadmium	104			%	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1006
ENV99-01	E9901738CS	Check Standard	Lab QC	CS	7439-98-7	Molybdenum	0.990	0.09	EDL	ug/g	Wet Wt	1	1	99	11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1010
ENV99-01	E9901738CS	Check Standard	Lab QC	CS	7440-66-6	Zinc	4.9	0.01	EDL	ug/g	Wet Wt	1	5	98	11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1031
ENV99-01	E9901738CS	Check Standard	Lab QC	CS	7440-43-9	Cadmium	1.000	0.02	EDL	ug/g	Wet Wt	1	1	100	11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1010
ENV99-01	E9901738CS	Check Standard	Lab QC	CS	7439-92-1	Lead	5.20	0.23	EDL	ug/g	Wet Wt	1	5	104	11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1010
ENV99-01	E9901738CS	Check Standard	Lab QC	CS	7439-96-5	Manganese	5.10	0.01	EDL	ug/g	Wet Wt	1	5	102	11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1010
ENV99-01	E9901738CS	Check Standard	Lab QC	CS	7439-89-6	Iron	4.9	0.04	EDL	ug/g	Wet Wt	1	5	98	11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1010
ENV99-01	E9901738CS	Check Standard	Lab QC	CS	7440-50-8	Copper	4.9	0.03	EDL	ug/g	Wet Wt	1	5	98	11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1010
ENV99-01	E9901738SR	House Ref. Liver	Tissue	HRL	7439-98-7	Molybdenum	3.400	0.09	EDL	ug/g	Wet Wt	1	3.17	107	11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1038
ENV99-01	E9901738SR	House Ref. Liver	Tissue	HRL	7439-89-6	Iron	200.0	0.04	EDL	ug/g	Wet Wt	1	183	109	11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1038
ENV99-01	E9901738SR	House Ref. Liver	Tissue	HRL	7440-50-8	Copper	130.00	0.03	EDL	ug/g	Wet Wt	1	123	106	11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1038
ENV99-01	E9901738	803-9-015407	Liver	Primary	7439-98-7	Molybdenum	1.900	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1041
ENV99-01	E9901738	803-9-015407	Liver	Primary	7440-66-6	Zinc	29	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1222
ENV99-01	E9901738	803-9-015407	Liver	Primary	7440-43-9	Cadmium	0.350	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1222
ENV99-01	E9901738	803-9-015407	Liver	Primary	7439-92-1	Lead	-0.2973	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1222
ENV99-01	E9901738	803-9-015407	Liver	Primary	7439-96-5	Manganese	3.3	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1222
ENV99-01	E9901738	803-9-015407	Liver	Primary	7439-89-6	Iron	110	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1041
ENV99-01	E9901738	803-9-015407	Liver	Primary	7440-50-8	Copper	59.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1041
ENV99-01	E9901741	101-9-001192	Muscle	Triplicate	7439-98-7	Molybdenum	-0.1165	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1045
ENV99-01	E9901741	101-9-001192	Muscle	Triplicate	7440-66-6	Zinc	82	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1225
ENV99-01	E9901741	101-9-001192	Muscle	Triplicate	7440-43-9	Cadmium	0.087	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1225
ENV99-01	E9901741	101-9-001192	Muscle	Triplicate	7439-92-1	Lead	0.1536	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1225

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
TRACE METALS BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV99-01	E9901741	101-9-001192	Muscle	Triplicate	7439-96-5	Manganese	0.26	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1225
ENV99-01	E9901741	101-9-001192	Muscle	Triplicate	7439-89-6	Iron	45	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1045
ENV99-01	E9901741	101-9-001192	Muscle	Triplicate	7440-50-8	Copper	1.3	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1045
ENV99-01	E9901741-2	101-9-001192	Muscle	Triplicate	7439-98-7	Molybdenum	0.0461	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1048
ENV99-01	E9901741-2	101-9-001192	Muscle	Triplicate	7440-66-6	Zinc	76	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1227
ENV99-01	E9901741-2	101-9-001192	Muscle	Triplicate	7440-43-9	Cadmium	0.083	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1227
ENV99-01	E9901741-2	101-9-001192	Muscle	Triplicate	7439-92-1	Lead	0.1570	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1227
ENV99-01	E9901741-2	101-9-001192	Muscle	Triplicate	7439-96-5	Manganese	0.37	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1227
ENV99-01	E9901741-2	101-9-001192	Muscle	Triplicate	7439-89-6	Iron	47	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1048
ENV99-01	E9901741-2	101-9-001192	Muscle	Triplicate	7440-50-8	Copper	1.5	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1048
ENV99-01	E9901741-3	101-9-001192	Muscle	Triplicate	7439-98-7	Molybdenum	-0.0412	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1051
ENV99-01	E9901741-3	101-9-001192	Muscle	Triplicate	7440-66-6	Zinc	84	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1230
ENV99-01	E9901741-3	101-9-001192	Muscle	Triplicate	7440-43-9	Cadmium	0.083	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1230
ENV99-01	E9901741-3	101-9-001192	Muscle	Triplicate	7439-92-1	Lead	-0.0650	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1230
ENV99-01	E9901741-3	101-9-001192	Muscle	Triplicate	7439-96-5	Manganese	0.30	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1230
ENV99-01	E9901741-3	101-9-001192	Muscle	Triplicate	7439-89-6	Iron	39	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1051
ENV99-01	E9901741-3	101-9-001192	Muscle	Triplicate	7440-50-8	Copper	1.2	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1051
ENV99-01	E9901741MS	101-9-001192-MS	Muscle	MS	7440-43-9	Cadmium	111			%	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1232
ENV99-01	E9901743D	101-9-003744	Muscle	Lab Duplicate	7439-98-7	Molybdenum	0.0039	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1058
ENV99-01	E9901743D	101-9-003744	Muscle	Lab Duplicate	7440-66-6	Zinc	68	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1235
ENV99-01	E9901743D	101-9-003744	Muscle	Lab Duplicate	7440-43-9	Cadmium	0.064	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1235
ENV99-01	E9901743D	101-9-003744	Muscle	Lab Duplicate	7439-92-1	Lead	0.0669	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1235
ENV99-01	E9901743D	101-9-003744	Muscle	Lab Duplicate	7439-96-5	Manganese	0.25	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1235
ENV99-01	E9901743D	101-9-003744	Muscle	Lab Duplicate	7439-89-6	Iron	36	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1058
ENV99-01	E9901743D	101-9-003744	Muscle	Lab Duplicate	7440-50-8	Copper	2.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1058
ENV99-01	E9901743	101-9-003744	Muscle	Primary	7439-98-7	Molybdenum	-0.0015	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1101
ENV99-01	E9901743	101-9-003744	Muscle	Primary	7440-66-6	Zinc	65	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1237
ENV99-01	E9901743	101-9-003744	Muscle	Primary	7440-43-9	Cadmium	0.055	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1237
ENV99-01	E9901743	101-9-003744	Muscle	Primary	7439-92-1	Lead	0.26	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1237
ENV99-01	E9901743	101-9-003744	Muscle	Primary	7439-96-5	Manganese	0.25	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1237
ENV99-01	E9901743	101-9-003744	Muscle	Primary	7439-89-6	Iron	35	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1101
ENV99-01	E9901743	101-9-003744	Muscle	Primary	7440-50-8	Copper	1.8	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1101
ENV99-01	E9901744	101-9-003836	Muscle	Primary	7439-98-7	Molybdenum	0.096	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1108
ENV99-01	E9901744	101-9-003836	Muscle	Primary	7440-66-6	Zinc	72	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1240
ENV99-01	E9901744	101-9-003836	Muscle	Primary	7440-43-9	Cadmium	0.075	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1240
ENV99-01	E9901744	101-9-003836	Muscle	Primary	7439-92-1	Lead	-0.3134	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1240
ENV99-01	E9901744	101-9-003836	Muscle	Primary	7439-96-5	Manganese	0.44	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1240
ENV99-01	E9901744	101-9-003836	Muscle	Primary	7439-89-6	Iron	46	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1108
ENV99-01	E9901744	101-9-003836	Muscle	Primary	7440-50-8	Copper	1.1	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1108
ENV99-01	E9901747	101-9-008142	Muscle	Primary	7439-98-7	Molybdenum	-0.1249	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1111
ENV99-01	E9901747	101-9-008142	Muscle	Primary	7440-66-6	Zinc	86	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1245
ENV99-01	E9901747	101-9-008142	Muscle	Primary	7440-43-9	Cadmium	0.074	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1245
ENV99-01	E9901747	101-9-008142	Muscle	Primary	7439-92-1	Lead	0.1628	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1245
ENV99-01	E9901747	101-9-008142	Muscle	Primary	7439-96-5	Manganese	0.86	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1245
ENV99-01	E9901747	101-9-008142	Muscle	Primary	7439-89-6	Iron	50	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1111
ENV99-01	E9901747	101-9-008142	Muscle	Primary	7440-50-8	Copper	1.7	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1111
ENV99-01	E9901748	101-9-009603	Muscle	Primary	7439-98-7	Molybdenum	-0.0089	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1115
ENV99-01	E9901748	101-9-009603	Muscle	Primary	7440-66-6	Zinc	27	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1247
ENV99-01	E9901748	101-9-009603	Muscle	Primary	7440-43-9	Cadmium	0.055	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1247
ENV99-01	E9901748	101-9-009603	Muscle	Primary	7439-92-1	Lead	-0.1792	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1247
ENV99-01	E9901748	101-9-009603	Muscle	Primary	7439-96-5	Manganese	0.39	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1247
ENV99-01	E9901748	101-9-009603	Muscle	Primary	7439-89-6	Iron	44	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1115

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
TRACE METALS BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV99-01	E9901748	101-9-009603	Muscle	Primary	7440-50-8	Copper	1.8	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1115
ENV99-01	E9901749	101-9-011498	Muscle	Primary	7439-98-7	Molybdenum	-0.1673	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1118
ENV99-01	E9901749	101-9-011498	Muscle	Primary	7440-66-6	Zinc	64	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1250
ENV99-01	E9901749	101-9-011498	Muscle	Primary	7440-43-9	Cadmium	0.048	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1250
ENV99-01	E9901749	101-9-011498	Muscle	Primary	7439-92-1	Lead	BDL	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1250
ENV99-01	E9901749	101-9-011498	Muscle	Primary	7439-96-5	Manganese	0.23	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1250
ENV99-01	E9901749	101-9-011498	Muscle	Primary	7439-89-6	Iron	37	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1118
ENV99-01	E9901749	101-9-011498	Muscle	Primary	7440-50-8	Copper	0.84	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1118
ENV99-01	E9901749B	Laboratory Blank	Lab QC	BLANK	7439-98-7	Molybdenum	-0.0094	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1121
ENV99-01	E9901749B	Laboratory Blank	Lab QC	BLANK	7440-66-6	Zinc	0.0018	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1252
ENV99-01	E9901749B	Laboratory Blank	Lab QC	BLANK	7440-43-9	Cadmium	0.0011	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1252
ENV99-01	E9901749B	Laboratory Blank	Lab QC	BLANK	7439-92-1	Lead	0.0567	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1252
ENV99-01	E9901749B	Laboratory Blank	Lab QC	BLANK	7439-96-5	Manganese	0.0020	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1252
ENV99-01	E9901749B	Laboratory Blank	Lab QC	BLANK	7439-89-6	Iron	-0.0017	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1121
ENV99-01	E9901749B	Laboratory Blank	Lab QC	BLANK	7440-50-8	Copper	-0.0267	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1121
ENV99-01	E9901749BS	Lab. Blank Spike	Lab QC	BS	7440-43-9	Cadmium	100			%	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1255
ENV99-01	E9901749CS	Check Standard	Lab QC	CS	7439-98-7	Molybdenum	1.000	0.09	EDL	ug/g	Wet Wt	1	1	100	11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1128
ENV99-01	E9901749CS	Check Standard	Lab QC	CS	7440-66-6	Zinc	4.9	0.01	EDL	ug/g	Wet Wt	1	5	98	11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1257
ENV99-01	E9901749CS	Check Standard	Lab QC	CS	7440-43-9	Cadmium	1.000	0.02	EDL	ug/g	Wet Wt	1	1	100	11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1257
ENV99-01	E9901749CS	Check Standard	Lab QC	CS	7439-92-1	Lead	5.00	0.23	EDL	ug/g	Wet Wt	1	5	100	11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1257
ENV99-01	E9901749CS	Check Standard	Lab QC	CS	7439-96-5	Manganese	5.00	0.01	EDL	ug/g	Wet Wt	1	5	100	11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1257
ENV99-01	E9901749CS	Check Standard	Lab QC	CS	7439-89-6	Iron	5.1	0.04	EDL	ug/g	Wet Wt	1	5	102	11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1128
ENV99-01	E9901749CS	Check Standard	Lab QC	CS	7440-50-8	Copper	4.8	0.03	EDL	ug/g	Wet Wt	1	5	96	11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1128
ENV99-01	E9901749SR	House Ref. Liver	Tissue	HRL	7439-98-7	Molybdenum	3.300	0.09	EDL	ug/g	Wet Wt	1	3.17	104	11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1132
ENV99-01	E9901749SR	House Ref. Liver	Tissue	HRL	7440-66-6	Zinc	130	0.01	EDL	ug/g	Wet Wt	1	120	108	11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1300
ENV99-01	E9901749SR	House Ref. Liver	Tissue	HRL	7440-43-9	Cadmium	60.000	0.02	EDL	ug/g	Wet Wt	1	54.3	110	11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1300
ENV99-01	E9901749SR	House Ref. Liver	Tissue	HRL	7439-92-1	Lead	52.00	0.23	EDL	ug/g	Wet Wt	1	48	108	11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1300
ENV99-01	E9901749SR	House Ref. Liver	Tissue	HRL	7439-96-5	Manganese	12.00	0.01	EDL	ug/g	Wet Wt	1	10.1	119	11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1300
ENV99-01	E9901749SR	House Ref. Liver	Tissue	HRL	7439-89-6	Iron	210	0.04	EDL	ug/g	Wet Wt	1	183	115	11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1132
ENV99-01	E9901749SR	House Ref. Liver	Tissue	HRL	7440-50-8	Copper	130.0	0.03	EDL	ug/g	Wet Wt	1	123	106	11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1132
ENV99-01	E9901750	101-9-011744	Muscle	Primary	7439-98-7	Molybdenum	0.090	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1310
ENV99-01	E9901750	101-9-011744	Muscle	Primary	7440-66-6	Zinc	60	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1310
ENV99-01	E9901750	101-9-011744	Muscle	Primary	7440-43-9	Cadmium	0.026	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1530
ENV99-01	E9901750	101-9-011744	Muscle	Primary	7439-92-1	Lead	20.00	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/14/2000	1250
ENV99-01	E9901750	101-9-011744	Muscle	Primary	7439-96-5	Manganese	0.15	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1530
ENV99-01	E9901750	101-9-011744	Muscle	Primary	7439-89-6	Iron	18	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1310
ENV99-01	E9901750	101-9-011744	Muscle	Primary	7440-50-8	Copper	1.6	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1310
ENV99-01	E9901755	101-9-015568	Muscle	Primary	7439-98-7	Molybdenum	-0.0098	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1314
ENV99-01	E9901755	101-9-015568	Muscle	Primary	7440-66-6	Zinc	100	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1314
ENV99-01	E9901755	101-9-015568	Muscle	Primary	7440-43-9	Cadmium	0.049	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1532
ENV99-01	E9901755	101-9-015568	Muscle	Primary	7439-92-1	Lead	-0.4391	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/14/2000	1253
ENV99-01	E9901755	101-9-015568	Muscle	Primary	7439-96-5	Manganese	0.20	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1532
ENV99-01	E9901755	101-9-015568	Muscle	Primary	7439-89-6	Iron	37	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1314
ENV99-01	E9901755	101-9-015568	Muscle	Primary	7440-50-8	Copper	2.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1314
ENV99-01	E9901756	101-9-016571	Muscle	Primary	7439-98-7	Molybdenum	-0.1806	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1317
ENV99-01	E9901756	101-9-016571	Muscle	Primary	7440-66-6	Zinc	71	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1317
ENV99-01	E9901756	101-9-016571	Muscle	Primary	7440-43-9	Cadmium	0.040	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1534
ENV99-01	E9901756	101-9-016571	Muscle	Primary	7439-92-1	Lead	0.2145	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/14/2000	1256
ENV99-01	E9901756	101-9-016571	Muscle	Primary	7439-96-5	Manganese	0.38	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1534
ENV99-01	E9901756	101-9-016571	Muscle	Primary	7439-89-6	Iron	36	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1317
ENV99-01	E9901756	101-9-016571	Muscle	Primary	7440-50-8	Copper	2.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1317
ENV99-01	E9901758	101-9-018227	Muscle	Primary	7439-98-7	Molybdenum	-0.0484	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1320

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
TRACE METALS BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV99-01	E9901758	101-9-018227	Muscle	Primary	7440-66-6	Zinc	98	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1320
ENV99-01	E9901758	101-9-018227	Muscle	Primary	7440-43-9	Cadmium	0.068	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1538
ENV99-01	E9901758	101-9-018227	Muscle	Primary	7439-92-1	Lead	0.47	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/14/2000	1300
ENV99-01	E9901758	101-9-018227	Muscle	Primary	7439-96-5	Manganese	0.64	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1538
ENV99-01	E9901758	101-9-018227	Muscle	Primary	7439-89-6	Iron	57	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1320
ENV99-01	E9901758	101-9-018227	Muscle	Primary	7440-50-8	Copper	2.3	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1320
ENV99-01	E9901760	101-9-020202	Muscle	Primary	7439-98-7	Molybdenum	0.0333	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1324
ENV99-01	E9901760	101-9-020202	Muscle	Primary	7440-66-6	Zinc	26	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1324
ENV99-01	E9901760	101-9-020202	Muscle	Primary	7440-43-9	Cadmium	0.034	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1540
ENV99-01	E9901760	101-9-020202	Muscle	Primary	7439-92-1	Lead	0.0309	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/14/2000	1303
ENV99-01	E9901760	101-9-020202	Muscle	Primary	7439-96-5	Manganese	0.25	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1540
ENV99-01	E9901760	101-9-020202	Muscle	Primary	7439-89-6	Iron	44	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1324
ENV99-01	E9901760	101-9-020202	Muscle	Primary	7440-50-8	Copper	2.6	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1324
ENV99-01	E9901762	101-9-022067	Muscle	Primary	7439-98-7	Molybdenum	0.100	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1327
ENV99-01	E9901762	101-9-022067	Muscle	Primary	7440-66-6	Zinc	78	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1327
ENV99-01	E9901762	101-9-022067	Muscle	Primary	7440-43-9	Cadmium	0.066	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1542
ENV99-01	E9901762	101-9-022067	Muscle	Primary	7439-92-1	Lead	-0.0052	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/14/2000	1307
ENV99-01	E9901762	101-9-022067	Muscle	Primary	7439-96-5	Manganese	0.75	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1542
ENV99-01	E9901762	101-9-022067	Muscle	Primary	7439-89-6	Iron	59	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1327
ENV99-01	E9901762	101-9-022067	Muscle	Primary	7440-50-8	Copper	1.8	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1327
ENV99-01	E9901763	101-9-024783	Muscle	Triplicate	7439-98-7	Molybdenum	0.0043	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1330
ENV99-01	E9901763	101-9-024783	Muscle	Triplicate	7440-66-6	Zinc	88	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1330
ENV99-01	E9901763	101-9-024783	Muscle	Triplicate	7440-43-9	Cadmium	0.053	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1544
ENV99-01	E9901763	101-9-024783	Muscle	Triplicate	7439-92-1	Lead	-0.0164	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/14/2000	1310
ENV99-01	E9901763	101-9-024783	Muscle	Triplicate	7439-96-5	Manganese	0.23	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1544
ENV99-01	E9901763	101-9-024783	Muscle	Triplicate	7439-89-6	Iron	29	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1330
ENV99-01	E9901763	101-9-024783	Muscle	Triplicate	7440-50-8	Copper	1.6	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1330
ENV99-01	E9901763-2	101-9-024783	Muscle	Triplicate	7439-98-7	Molybdenum	-0.0941	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1335
ENV99-01	E9901763-2	101-9-024783	Muscle	Triplicate	7440-66-6	Zinc	94	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1335
ENV99-01	E9901763-2	101-9-024783	Muscle	Triplicate	7440-43-9	Cadmium	0.052	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1547
ENV99-01	E9901763-2	101-9-024783	Muscle	Triplicate	7439-92-1	Lead	0.31	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/14/2000	1313
ENV99-01	E9901763-2	101-9-024783	Muscle	Triplicate	7439-96-5	Manganese	0.31	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1547
ENV99-01	E9901763-2	101-9-024783	Muscle	Triplicate	7439-89-6	Iron	29	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1335
ENV99-01	E9901763-2	101-9-024783	Muscle	Triplicate	7440-50-8	Copper	1.6	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1335
ENV99-01	E9901763-3	101-9-024783	Muscle	Triplicate	7439-98-7	Molybdenum	-0.1136	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1341
ENV99-01	E9901763-3	101-9-024783	Muscle	Triplicate	7440-66-6	Zinc	99	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1341
ENV99-01	E9901763-3	101-9-024783	Muscle	Triplicate	7440-43-9	Cadmium	0.046	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1551
ENV99-01	E9901763-3	101-9-024783	Muscle	Triplicate	7439-92-1	Lead	-3.658	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/14/2000	1317
ENV99-01	E9901763-3	101-9-024783	Muscle	Triplicate	7439-96-5	Manganese	0.42	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1551
ENV99-01	E9901763-3	101-9-024783	Muscle	Triplicate	7439-89-6	Iron	32	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1341
ENV99-01	E9901763-3	101-9-024783	Muscle	Triplicate	7440-50-8	Copper	1.4	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1341
ENV99-01	E9901763MS	101-9-024783-MS	Muscle	MS	7440-43-9	Cadmium	109			%	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1523
ENV99-01	E9901764	101-9-024889	Muscle	Primary	7439-98-7	Molybdenum	-0.0120	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1353
ENV99-01	E9901764	101-9-024889	Muscle	Primary	7440-66-6	Zinc	69	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1353
ENV99-01	E9901764	101-9-024889	Muscle	Primary	7440-43-9	Cadmium	0.046	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1525
ENV99-01	E9901764	101-9-024889	Muscle	Primary	7439-92-1	Lead	-0.5193	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/14/2000	1320
ENV99-01	E9901764	101-9-024889	Muscle	Primary	7439-96-5	Manganese	0.18	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1525
ENV99-01	E9901764	101-9-024889	Muscle	Primary	7439-89-6	Iron	25	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1353
ENV99-01	E9901764	101-9-024889	Muscle	Primary	7440-50-8	Copper	1.6	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1353
ENV99-01	E9901765D	101-9-025926	Muscle	Lab Duplicate	7439-98-7	Molybdenum	0.0004	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1356
ENV99-01	E9901765D	101-9-025926	Muscle	Lab Duplicate	7440-66-6	Zinc	61	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1356
ENV99-01	E9901765D	101-9-025926	Muscle	Lab Duplicate	7440-43-9	Cadmium	0.053	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1605

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
TRACE METALS BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV99-01	E9901765D	101-9-025926	Muscle	Lab Duplicate	7439-96-5	Manganese	0.59	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1605
ENV99-01	E9901765D	101-9-025926	Muscle	Lab Duplicate	7439-89-6	Iron	49	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1356
ENV99-01	E9901765D	101-9-025926	Muscle	Lab Duplicate	7440-50-8	Copper	1.8	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1356
ENV99-01	E9901765	101-9-025926	Muscle	Primary	7439-98-7	Molybdenum	-0.0644	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1400
ENV99-01	E9901765	101-9-025926	Muscle	Primary	7440-66-6	Zinc	60	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1400
ENV99-01	E9901765	101-9-025926	Muscle	Primary	7440-43-9	Cadmium	0.049	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1608
ENV99-01	E9901765	101-9-025926	Muscle	Primary	7439-92-1	Lead	-0.1335	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/14/2000	1324
ENV99-01	E9901765	101-9-025926	Muscle	Primary	7439-96-5	Manganese	0.67	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1608
ENV99-01	E9901765	101-9-025926	Muscle	Primary	7439-89-6	Iron	46	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1400
ENV99-01	E9901765	101-9-025926	Muscle	Primary	7440-50-8	Copper	2.1	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1400
ENV99-01	E9901765B	Laboratory Blank	Lab QC	BLANK	7439-98-7	Molybdenum	-0.0147	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1403
ENV99-01	E9901765B	Laboratory Blank	Lab QC	BLANK	7440-66-6	Zinc	0.0004	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1403
ENV99-01	E9901765B	Laboratory Blank	Lab QC	BLANK	7440-43-9	Cadmium	0.0000	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1610
ENV99-01	E9901765B	Laboratory Blank	Lab QC	BLANK	7439-96-5	Manganese	0.0010	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1610
ENV99-01	E9901765B	Laboratory Blank	Lab QC	BLANK	7439-89-6	Iron	-0.0300	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1403
ENV99-01	E9901765B	Laboratory Blank	Lab QC	BLANK	7440-50-8	Copper	0.062	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1403
ENV99-01	E9901765BS	Lab. Blank Spike	Lab QC	BS	7440-43-9	Cadmium	103			%	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1612
ENV99-01	E9901765CS	Check Standard	Lab QC	CS	7439-98-7	Molybdenum	1.000	0.09	EDL	ug/g	Wet Wt	1	1	100	11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1410
ENV99-01	E9901765CS	Check Standard	Lab QC	CS	7440-66-6	Zinc	4.9	0.01	EDL	ug/g	Wet Wt	1	5	98	11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1410
ENV99-01	E9901765CS	Check Standard	Lab QC	CS	7440-43-9	Cadmium	0.980	0.02	EDL	ug/g	Wet Wt	1	1	98	11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1615
ENV99-01	E9901765CS	Check Standard	Lab QC	CS	7439-96-5	Manganese	4.90	0.01	EDL	ug/g	Wet Wt	1	5	98	11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1615
ENV99-01	E9901765CS	Check Standard	Lab QC	CS	7439-89-6	Iron	5.0	0.04	EDL	ug/g	Wet Wt	1	5	100	11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1410
ENV99-01	E9901765CS	Check Standard	Lab QC	CS	7440-50-8	Copper	4.600	0.03	EDL	ug/g	Wet Wt	1	5	92	11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1410
ENV99-01	E9901765SR	House Ref. Liver	Tissue	HRL	7439-98-7	Molybdenum	3.300	0.09	EDL	ug/g	Wet Wt	1	3.17	104	11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1413
ENV99-01	E9901765SR	House Ref. Liver	Tissue	HRL	7440-66-6	Zinc	130	0.01	EDL	ug/g	Wet Wt	1	120	108	11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1413
ENV99-01	E9901765SR	House Ref. Liver	Tissue	HRL	7440-43-9	Cadmium	58.000	0.02	EDL	ug/g	Wet Wt	1	54.3	107	11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1617
ENV99-01	E9901765SR	House Ref. Liver	Tissue	HRL	7439-96-5	Manganese	12.00	0.01	EDL	ug/g	Wet Wt	1	10.1	119	11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1617
ENV99-01	E9901765SR	House Ref. Liver	Tissue	HRL	7439-89-6	Iron	210	0.04	EDL	ug/g	Wet Wt	1	183	115	11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1413
ENV99-01	E9901765SR	House Ref. Liver	Tissue	HRL	7440-50-8	Copper	130.0	0.03	EDL	ug/g	Wet Wt	1	123	106	11/2/1999	ICP - AES	HMICP_02-07-00	0203HMS	1/26/2000	2/7/2000	1413
ENV99-01	E9901670MS	101-9-050246-MS	Liver	MS	7440-43-9	Cadmium	112			%	Wet Wt	1			11/2/1999	ICP - AES		0214HMS/2	2/11/2000	2/14/2000	1345
ENV99-01	E9901672MS	101-9-054687-MS	Liver	MS	7440-43-9	Cadmium	110			%	Wet Wt	1			11/2/1999	ICP - AES		0214HMS/2	2/11/2000	2/14/2000	1351
ENV99-01	E9901728MS	202-9-003468-MS	Liver	MS	7440-43-9	Cadmium	109			%	Wet Wt	1			11/2/1999	ICP - AES		0214HMS/2	2/11/2000	2/14/2000	1358
ENV99-01	E9902000MS	102-9-011973-MS	Muscle	MS	7440-43-9	Cadmium	103			%	Wet Wt	1			11/2/1999	ICP - AES		0214HMS/2	2/11/2000	2/14/2000	1405
ENV99-01	E9901656B	Laboratory Blank	Lab QC	BLANK	7439-98-7	Molybdenum	-0.0000	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1036
ENV99-01	E9901656B	Laboratory Blank	Lab QC	BLANK	7440-66-6	Zinc	-0.0249	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1036
ENV99-01	E9901656B	Laboratory Blank	Lab QC	BLANK	7440-43-9	Cadmium	-0.0008	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1036
ENV99-01	E9901656B	Laboratory Blank	Lab QC	BLANK	7439-92-1	Lead	0.0128	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1036
ENV99-01	E9901656B	Laboratory Blank	Lab QC	BLANK	7439-96-5	Manganese	0.0012	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1036
ENV99-01	E9901656B	Laboratory Blank	Lab QC	BLANK	7439-89-6	Iron	-0.0368	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1036
ENV99-01	E9901656B	Laboratory Blank	Lab QC	BLANK	7440-50-8	Copper	-0.0119	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1036
ENV99-01	E9901656BS	Lab. Blank Spike	Lab QC	BS	7440-43-9	Cadmium	100			%	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1039
ENV99-01	E9901656CS	Check Standard	Lab QC	CS	7439-98-7	Molybdenum	1.000	0.09	EDL	ug/g	Wet Wt	1	1	100	11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1043
ENV99-01	E9901656CS	Check Standard	Lab QC	CS	7440-66-6	Zinc	5.0	0.01	EDL	ug/g	Wet Wt	1	5	100	11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1043
ENV99-01	E9901656CS	Check Standard	Lab QC	CS	7440-43-9	Cadmium	1.000	0.02	EDL	ug/g	Wet Wt	1	1	100	11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1043
ENV99-01	E9901656CS	Check Standard	Lab QC	CS	7439-92-1	Lead	5.10	0.23	EDL	ug/g	Wet Wt	1	5	102	11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1043
ENV99-01	E9901656CS	Check Standard	Lab QC	CS	7439-96-5	Manganese	5.00	0.01	EDL	ug/g	Wet Wt	1	5	100	11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1043
ENV99-01	E9901656CS	Check Standard	Lab QC	CS	7439-89-6	Iron	5.0	0.04	EDL	ug/g	Wet Wt	1	5	100	11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1043
ENV99-01	E9901656CS	Check Standard	Lab QC	CS	7440-50-8	Copper	5.1	0.03	EDL	ug/g	Wet Wt	1	5	102	11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1043
ENV99-01	E9901656SR	House Ref. Liver	Tissue	HRL	7439-98-7	Molybdenum	2.900	0.09	EDL	ug/g	Wet Wt	1	3.17	91	11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1046
ENV99-01	E9901656SR	House Ref. Liver	Tissue	HRL	7440-66-6	Zinc	120	0.01	EDL	ug/g	Wet Wt	1	120	100	11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1046
ENV99-01	E9901656SR	House Ref. Liver	Tissue	HRL	7440-43-9	Cadmium	53.000	0.02	EDL	ug/g	Wet Wt	1	54.3	98	11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1046
ENV99-01	E9901656SR	House Ref. Liver	Tissue	HRL	7439-92-1	Lead	48.00	0.23	EDL	ug/g	Wet Wt	1	48	100	11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1046

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
TRACE METALS BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV99-01	E9901656SR	House Ref. Liver	Tissue	HRL	7439-96-5	Manganese	11.00	0.01	EDL	ug/g	Wet Wt	1	10.1	109	11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1046
ENV99-01	E9901656SR	House Ref. Liver	Tissue	HRL	7439-89-6	Iron	180	0.04	EDL	ug/g	Wet Wt	1	183	98	11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1046
ENV99-01	E9901656SR	House Ref. Liver	Tissue	HRL	7440-50-8	Copper	140.0	0.03	EDL	ug/g	Wet Wt	1	123	114	11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1046
ENV99-01	E9901656	101-9-020202	Liver	Primary	7439-98-7	Molybdenum	1.800	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1056
ENV99-01	E9901656	101-9-020202	Liver	Primary	7440-66-6	Zinc	27	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1056
ENV99-01	E9901656	101-9-020202	Liver	Primary	7440-43-9	Cadmium	0.320	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1056
ENV99-01	E9901656	101-9-020202	Liver	Primary	7439-92-1	Lead	0.73	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1056
ENV99-01	E9901656	101-9-020202	Liver	Primary	7439-96-5	Manganese	4.00	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1056
ENV99-01	E9901656	101-9-020202	Liver	Primary	7439-89-6	Iron	120	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1056
ENV99-01	E9901656	101-9-020202	Liver	Primary	7440-50-8	Copper	72.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1056
ENV99-01	E9901695	102-9-010135	Liver	Primary	7439-98-7	Molybdenum	1.600	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1059
ENV99-01	E9901695	102-9-010135	Liver	Primary	7440-66-6	Zinc	26	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1059
ENV99-01	E9901695	102-9-010135	Liver	Primary	7440-43-9	Cadmium	0.310	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1059
ENV99-01	E9901695	102-9-010135	Liver	Primary	7439-92-1	Lead	0.69	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1059
ENV99-01	E9901695	102-9-010135	Liver	Primary	7439-96-5	Manganese	2.80	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1059
ENV99-01	E9901695	102-9-010135	Liver	Primary	7439-89-6	Iron	180	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1059
ENV99-01	E9901695	102-9-010135	Liver	Primary	7440-50-8	Copper	52.0	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1059
ENV99-01	E9901766	101-9-026635	Muscle	Primary	7439-98-7	Molybdenum	-0.0169	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1109
ENV99-01	E9901766	101-9-026635	Muscle	Primary	7440-66-6	Zinc	50	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1109
ENV99-01	E9901766	101-9-026635	Muscle	Primary	7440-43-9	Cadmium	0.150	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1109
ENV99-01	E9901766	101-9-026635	Muscle	Primary	7439-92-1	Lead	1.00	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1109
ENV99-01	E9901766	101-9-026635	Muscle	Primary	7439-96-5	Manganese	0.47	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1109
ENV99-01	E9901766	101-9-026635	Muscle	Primary	7439-89-6	Iron	80	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1109
ENV99-01	E9901766	101-9-026635	Muscle	Primary	7440-50-8	Copper	1.7	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1109
ENV99-01	E9901768	101-9-028332	Muscle	Primary	7439-98-7	Molybdenum	0.0486	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1113
ENV99-01	E9901768	101-9-028332	Muscle	Primary	7440-66-6	Zinc	80	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1113
ENV99-01	E9901768	101-9-028332	Muscle	Primary	7440-43-9	Cadmium	0.110	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1113
ENV99-01	E9901768	101-9-028332	Muscle	Primary	7439-92-1	Lead	0.0564	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1113
ENV99-01	E9901768	101-9-028332	Muscle	Primary	7439-96-5	Manganese	0.48	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1113
ENV99-01	E9901768	101-9-028332	Muscle	Primary	7439-89-6	Iron	29	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1113
ENV99-01	E9901768	101-9-028332	Muscle	Primary	7440-50-8	Copper	0.86	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1113
ENV99-01	E9901769	101-9-028637	Muscle	Primary	7439-98-7	Molybdenum	0.210	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1116
ENV99-01	E9901769	101-9-028637	Muscle	Primary	7440-66-6	Zinc	32	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1116
ENV99-01	E9901769	101-9-028637	Muscle	Primary	7440-43-9	Cadmium	0.130	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1116
ENV99-01	E9901769	101-9-028637	Muscle	Primary	7439-92-1	Lead	0.47	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1116
ENV99-01	E9901769	101-9-028637	Muscle	Primary	7439-96-5	Manganese	0.85	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1116
ENV99-01	E9901769	101-9-028637	Muscle	Primary	7439-89-6	Iron	88	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1116
ENV99-01	E9901769	101-9-028637	Muscle	Primary	7440-50-8	Copper	2.7	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1116
ENV99-01	E9901770	101-9-033823	Muscle	Primary	7439-98-7	Molybdenum	0.170	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1121
ENV99-01	E9901770	101-9-033823	Muscle	Primary	7440-66-6	Zinc	40	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1121
ENV99-01	E9901770	101-9-033823	Muscle	Primary	7440-43-9	Cadmium	0.170	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1121
ENV99-01	E9901770	101-9-033823	Muscle	Primary	7439-92-1	Lead	-0.1856	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1121
ENV99-01	E9901770	101-9-033823	Muscle	Primary	7439-96-5	Manganese	0.79	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1121
ENV99-01	E9901770	101-9-033823	Muscle	Primary	7439-89-6	Iron	53	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1121
ENV99-01	E9901770	101-9-033823	Muscle	Primary	7440-50-8	Copper	2.4	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1121
ENV99-01	E9901771	101-9-034278	Muscle	Primary	7439-98-7	Molybdenum	0.0495	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1124
ENV99-01	E9901771	101-9-034278	Muscle	Primary	7440-66-6	Zinc	62	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1124
ENV99-01	E9901771	101-9-034278	Muscle	Primary	7440-43-9	Cadmium	0.140	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1124
ENV99-01	E9901771	101-9-034278	Muscle	Primary	7439-92-1	Lead	-0.0278	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1124
ENV99-01	E9901771	101-9-034278	Muscle	Primary	7439-96-5	Manganese	0.54	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1124
ENV99-01	E9901771	101-9-034278	Muscle	Primary	7439-89-6	Iron	55	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1124
ENV99-01	E9901771	101-9-034278	Muscle	Primary	7440-50-8	Copper	2.5	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1124

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
TRACE METALS BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV99-01	E9901771B	Laboratory Blank	Lab QC	BLANK	7439-98-7	Molybdenum	0.0033	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1127
ENV99-01	E9901771B	Laboratory Blank	Lab QC	BLANK	7440-66-6	Zinc	-0.0284	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1127
ENV99-01	E9901771B	Laboratory Blank	Lab QC	BLANK	7440-43-9	Cadmium	0.0047	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1127
ENV99-01	E9901771B	Laboratory Blank	Lab QC	BLANK	7439-92-1	Lead	0.0333	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1127
ENV99-01	E9901771B	Laboratory Blank	Lab QC	BLANK	7439-96-5	Manganese	0.0016	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1127
ENV99-01	E9901771B	Laboratory Blank	Lab QC	BLANK	7439-89-6	Iron	-0.0321	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1127
ENV99-01	E9901771B	Laboratory Blank	Lab QC	BLANK	7440-50-8	Copper	-0.0092	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1127
ENV99-01	E9901771BS	Lab. Blank Spike	Lab QC	BS	7440-43-9	Cadmium	98			%	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1131
ENV99-01	E9901771CS	Check Standard	Lab QC	CS	7439-98-7	Molybdenum	0.950	0.09	EDL	ug/g	Wet Wt	1	1	95	11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1134
ENV99-01	E9901771CS	Check Standard	Lab QC	CS	7440-66-6	Zinc	4.9	0.01	EDL	ug/g	Wet Wt	1	5	98	11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1134
ENV99-01	E9901771CS	Check Standard	Lab QC	CS	7440-43-9	Cadmium	1.000	0.02	EDL	ug/g	Wet Wt	1	1	100	11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1134
ENV99-01	E9901771CS	Check Standard	Lab QC	CS	7439-92-1	Lead	4.90	0.23	EDL	ug/g	Wet Wt	1	5	98	11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1134
ENV99-01	E9901771CS	Check Standard	Lab QC	CS	7439-96-5	Manganese	5.00	0.01	EDL	ug/g	Wet Wt	1	5	100	11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1134
ENV99-01	E9901771CS	Check Standard	Lab QC	CS	7439-89-6	Iron	5.0	0.04	EDL	ug/g	Wet Wt	1	5	100	11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1134
ENV99-01	E9901771CS	Check Standard	Lab QC	CS	7440-50-8	Copper	4.8	0.03	EDL	ug/g	Wet Wt	1	5	96	11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1134
ENV99-01	E9901771SR	House Ref. Liver	Tissue	HRL	7439-98-7	Molybdenum	2.800	0.09	EDL	ug/g	Wet Wt	1	3.17	88	11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1137
ENV99-01	E9901771SR	House Ref. Liver	Tissue	HRL	7440-66-6	Zinc	120	0.01	EDL	ug/g	Wet Wt	1	120	100	11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1137
ENV99-01	E9901771SR	House Ref. Liver	Tissue	HRL	7440-43-9	Cadmium	56.000	0.02	EDL	ug/g	Wet Wt	1	54.3	103	11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1137
ENV99-01	E9901771SR	House Ref. Liver	Tissue	HRL	7439-92-1	Lead	47.00	0.23	EDL	ug/g	Wet Wt	1	48	98	11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1137
ENV99-01	E9901771SR	House Ref. Liver	Tissue	HRL	7439-96-5	Manganese	12.00	0.01	EDL	ug/g	Wet Wt	1	10.1	119	11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1137
ENV99-01	E9901771SR	House Ref. Liver	Tissue	HRL	7439-89-6	Iron	190	0.04	EDL	ug/g	Wet Wt	1	183	104	11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1137
ENV99-01	E9901771SR	House Ref. Liver	Tissue	HRL	7440-50-8	Copper	140.0	0.03	EDL	ug/g	Wet Wt	1	123	114	11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1137
ENV99-01	E9901774	101-9-048459	Muscle	Primary	7439-98-7	Molybdenum	0.230	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1140
ENV99-01	E9901774	101-9-048459	Muscle	Primary	7440-66-6	Zinc	38	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1140
ENV99-01	E9901774	101-9-048459	Muscle	Primary	7440-43-9	Cadmium	0.140	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1140
ENV99-01	E9901774	101-9-048459	Muscle	Primary	7439-92-1	Lead	0.45	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1140
ENV99-01	E9901774	101-9-048459	Muscle	Primary	7439-96-5	Manganese	0.76	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1140
ENV99-01	E9901774	101-9-048459	Muscle	Primary	7439-89-6	Iron	78	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1140
ENV99-01	E9901774	101-9-048459	Muscle	Primary	7440-50-8	Copper	2.8	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1140
ENV99-01	E9901775	101-9-054687	Muscle	Triplicate	7439-98-7	Molybdenum	0.095	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1144
ENV99-01	E9901775	101-9-054687	Muscle	Triplicate	7440-66-6	Zinc	28	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1144
ENV99-01	E9901775	101-9-054687	Muscle	Triplicate	7440-43-9	Cadmium	0.081	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1144
ENV99-01	E9901775	101-9-054687	Muscle	Triplicate	7439-92-1	Lead	0.57	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1144
ENV99-01	E9901775	101-9-054687	Muscle	Triplicate	7439-96-5	Manganese	0.32	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1144
ENV99-01	E9901775	101-9-054687	Muscle	Triplicate	7439-89-6	Iron	32	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1144
ENV99-01	E9901775	101-9-054687	Muscle	Triplicate	7440-50-8	Copper	2.3	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1144
ENV99-01	E9901775-2	101-9-054687	Muscle	Triplicate	7439-98-7	Molybdenum	-0.0501	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1147
ENV99-01	E9901775-2	101-9-054687	Muscle	Triplicate	7440-66-6	Zinc	34	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1147
ENV99-01	E9901775-2	101-9-054687	Muscle	Triplicate	7440-43-9	Cadmium	0.074	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1147
ENV99-01	E9901775-2	101-9-054687	Muscle	Triplicate	7439-92-1	Lead	0.53	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1147
ENV99-01	E9901775-2	101-9-054687	Muscle	Triplicate	7439-96-5	Manganese	0.43	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1147
ENV99-01	E9901775-2	101-9-054687	Muscle	Triplicate	7439-89-6	Iron	37	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1147
ENV99-01	E9901775-2	101-9-054687	Muscle	Triplicate	7440-50-8	Copper	2.3	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1147
ENV99-01	E9901775-3	101-9-054687	Muscle	Triplicate	7439-98-7	Molybdenum	0.0690	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1151
ENV99-01	E9901775-3	101-9-054687	Muscle	Triplicate	7440-66-6	Zinc	26	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1151
ENV99-01	E9901775-3	101-9-054687	Muscle	Triplicate	7440-43-9	Cadmium	0.065	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1151
ENV99-01	E9901775-3	101-9-054687	Muscle	Triplicate	7439-92-1	Lead	-0.2499	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1151
ENV99-01	E9901775-3	101-9-054687	Muscle	Triplicate	7439-96-5	Manganese	0.30	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1151
ENV99-01	E9901775-3	101-9-054687	Muscle	Triplicate	7439-89-6	Iron	29	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1151
ENV99-01	E9901775-3	101-9-054687	Muscle	Triplicate	7440-50-8	Copper	2.3	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1151
ENV99-01	E9901775MS	101-9-054687-MS	Muscle	MS	7440-43-9	Cadmium	103			%	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1154
ENV99-01	E9901778	101-9-065581	Muscle	Primary	7439-98-7	Molybdenum	0.140	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1157

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
TRACE METALS BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV99-01	E9901778	101-9-065581	Muscle	Primary	7440-66-6	Zinc	47	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1157
ENV99-01	E9901778	101-9-065581	Muscle	Primary	7440-43-9	Cadmium	0.110	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1157
ENV99-01	E9901778	101-9-065581	Muscle	Primary	7439-92-1	Lead	-0.1265	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1157
ENV99-01	E9901778	101-9-065581	Muscle	Primary	7439-96-5	Manganese	0.46	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1157
ENV99-01	E9901778	101-9-065581	Muscle	Primary	7439-89-6	Iron	88	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1157
ENV99-01	E9901778	101-9-065581	Muscle	Primary	7440-50-8	Copper	1.6	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1157
ENV99-01	E9901779	101-9-066053	Muscle	Primary	7439-98-7	Molybdenum	0.130	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1201
ENV99-01	E9901779	101-9-066053	Muscle	Primary	7440-66-6	Zinc	98	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1201
ENV99-01	E9901779	101-9-066053	Muscle	Primary	7440-43-9	Cadmium	0.110	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1201
ENV99-01	E9901779	101-9-066053	Muscle	Primary	7439-92-1	Lead	0.1546	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1201
ENV99-01	E9901779	101-9-066053	Muscle	Primary	7439-96-5	Manganese	0.72	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1201
ENV99-01	E9901779	101-9-066053	Muscle	Primary	7439-89-6	Iron	56	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1201
ENV99-01	E9901779	101-9-066053	Muscle	Primary	7440-50-8	Copper	1.3	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1201
ENV99-01	E9901781	101-9-067130	Muscle	Primary	7439-98-7	Molybdenum	-0.0667	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP_ AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1204
ENV99-01	E9901781	101-9-067130	Muscle	Primary	7440-66-6	Zinc	120	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1204
ENV99-01	E9901781	101-9-067130	Muscle	Primary	7440-43-9	Cadmium	0.150	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1204
ENV99-01	E9901781	101-9-067130	Muscle	Primary	7439-92-1	Lead	0.31	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1204
ENV99-01	E9901781	101-9-067130	Muscle	Primary	7439-96-5	Manganese	0.82	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1204
ENV99-01	E9901781	101-9-067130	Muscle	Primary	7439-89-6	Iron	57	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1204
ENV99-01	E9901781	101-9-067130	Muscle	Primary	7440-50-8	Copper	1.2	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1204
ENV99-01	E9901784	101-9-067901	Muscle	Primary	7439-98-7	Molybdenum	0.110	0.09	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1207
ENV99-01	E9901784	101-9-067901	Muscle	Primary	7440-66-6	Zinc	35	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1207
ENV99-01	E9901784	101-9-067901	Muscle	Primary	7440-43-9	Cadmium	0.056	0.02	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1207
ENV99-01	E9901784	101-9-067901	Muscle	Primary	7439-92-1	Lead	0.65	0.23	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1207
ENV99-01	E9901784	101-9-067901	Muscle	Primary	7439-96-5	Manganese	0.46	0.01	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1207
ENV99-01	E9901784	101-9-067901	Muscle	Primary	7439-89-6	Iron	44	0.04	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1207
ENV99-01	E9901784	101-9-067901	Muscle	Primary	7440-50-8	Copper	0.63	0.03	EDL	ug/g	Wet Wt	1			11/2/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1207
ENV99-03	E9901956	106-9-009855	Liver	Primary	7439-98-7	Molybdenum	1.500	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1217
ENV99-03	E9901956	106-9-009855	Liver	Primary	7440-66-6	Zinc	29	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP_- AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1217
ENV99-03	E9901956	106-9-009855	Liver	Primary	7440-43-9	Cadmium	0.440	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1217
ENV99-03	E9901956	106-9-009855	Liver	Primary	7439-92-1	Lead	-0.3275	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1217
ENV99-03	E9901956	106-9-009855	Liver	Primary	7439-96-5	Manganese	3.90	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1217
ENV99-03	E9901956	106-9-009855	Liver	Primary	7439-89-6	Iron	130	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1217
ENV99-03	E9901956	106-9-009855	Liver	Primary	7440-50-8	Copper	34.0	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1217
ENV99-03	E9901978	101-9-005127	Muscle	Primary	7439-98-7	Molybdenum	0.140	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1221
ENV99-03	E9901978	101-9-005127	Muscle	Primary	7440-66-6	Zinc	67	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1221
ENV99-03	E9901978	101-9-005127	Muscle	Primary	7440-43-9	Cadmium	0.100	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1221
ENV99-03	E9901978	101-9-005127	Muscle	Primary	7439-92-1	Lead	0.23	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1221
ENV99-03	E9901978	101-9-005127	Muscle	Primary	7439-96-5	Manganese	0.28	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1221
ENV99-03	E9901978	101-9-005127	Muscle	Primary	7439-89-6	Iron	33	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1221
ENV99-03	E9901978	101-9-005127	Muscle	Primary	7440-50-8	Copper	1.1	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1221
ENV99-03	E9901956B	Laboratory Blank	Lab QC	BLANK	7439-98-7	Molybdenum	0.0046	0.09	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1224
ENV99-03	E9901956B	Laboratory Blank	Lab QC	BLANK	7440-66-6	Zinc	-0.0223	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1224
ENV99-03	E9901956B	Laboratory Blank	Lab QC	BLANK	7440-43-9	Cadmium	0.0046	0.02	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1224
ENV99-03	E9901956B	Laboratory Blank	Lab QC	BLANK	7439-92-1	Lead	0.0391	0.23	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1224
ENV99-03	E9901956B	Laboratory Blank	Lab QC	BLANK	7439-96-5	Manganese	0.0030	0.01	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1224
ENV99-03	E9901956B	Laboratory Blank	Lab QC	BLANK	7439-89-6	Iron	-0.0179	0.04	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1224
ENV99-03	E9901956B	Laboratory Blank	Lab QC	BLANK	7440-50-8	Copper	-0.0030	0.03	EDL	ug/g	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1224
ENV99-03	E9901956BS	Lab. Blank Spike	Lab QC	BS	7440-43-9	Cadmium	97			%	Wet Wt	1			11/12/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1227
ENV99-03	E9901956CS	Check Standard	Lab QC	CS	7439-98-7	Molybdenum	0.990	0.09	EDL	ug/g	Wet Wt	1	1	99	11/12/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1231
ENV99-03	E9901956CS	Check Standard	Lab QC	CS	7440-66-6	Zinc	5.0	0.01	EDL	ug/g	Wet Wt	1	5	100	11/12/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1231
ENV99-03	E9901956CS	Check Standard	Lab QC	CS	7440-43-9	Cadmium	1.000	0.02	EDL	ug/g	Wet Wt	1	1	100	11/12/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1231

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
TRACE METALS BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV99-03	E9901956CS	Check Standard	Lab QC	CS	7439-92-1	Lead	5.10	0.23	EDL	ug/g	Wet Wt	1	5	102	11/12/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1231
ENV99-03	E9901956CS	Check Standard	Lab QC	CS	7439-96-5	Manganese	5.00	0.01	EDL	ug/g	Wet Wt	1	5	100	11/12/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1231
ENV99-03	E9901956CS	Check Standard	Lab QC	CS	7439-89-6	Iron	5.0	0.04	EDL	ug/g	Wet Wt	1	5	100	11/12/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1231
ENV99-03	E9901956CS	Check Standard	Lab QC	CS	7440-50-8	Copper	4.8	0.03	EDL	ug/g	Wet Wt	1	5	96	11/12/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1231
ENV99-03	E9901956SR	House Ref. Liver	Tissue	HRL	7439-98-7	Molybdenum	4.500	0.09	EDL	ug/g	Wet Wt	1	3.17	142	11/12/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1234
ENV99-03	E9901956SR	House Ref. Liver	Tissue	HRL	7440-66-6	Zinc	120	0.01	EDL	ug/g	Wet Wt	1	120	100	11/12/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1234
ENV99-03	E9901956SR	House Ref. Liver	Tissue	HRL	7440-43-9	Cadmium	56.000	0.02	EDL	ug/g	Wet Wt	1	54.3	103	11/12/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1234
ENV99-03	E9901956SR	House Ref. Liver	Tissue	HRL	7439-92-1	Lead	47.00	0.23	EDL	ug/g	Wet Wt	1	48	98	11/12/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1234
ENV99-03	E9901956SR	House Ref. Liver	Tissue	HRL	7439-96-5	Manganese	11.00	0.01	EDL	ug/g	Wet Wt	1	10.1	109	11/12/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1234
ENV99-03	E9901956SR	House Ref. Liver	Tissue	HRL	7439-89-6	Iron	180	0.04	EDL	ug/g	Wet Wt	1	183	98	11/12/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1234
ENV99-03	E9901956SR	House Ref. Liver	Tissue	HRL	7440-50-8	Copper	120.0	0.03	EDL	ug/g	Wet Wt	1	123	98	11/12/1999	ICP - AES	HMICP_02-15-00	0215HMS	2/14/2000	2/15/2000	1234
EOT00-04	E0001604C1	Check Standard	Lab QC	CS	7440-43-9	Cadmium	2.00	0.10	MDL	ug/g	Wet Wt	1	2	100	10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1318
EOT00-04	E0001604C1	Check Standard	Lab QC	CS	7440-50-8	Copper	2.00	0.10	MDL	ug/g	Wet Wt	1	2	100	10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1318
EOT00-04	E0001604C1	Check Standard	Lab QC	CS	7439-89-6	Iron	20.00	0.50	MDL	ug/g	Wet Wt	1	20	100	10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1318
EOT00-04	E0001604C1	Check Standard	Lab QC	CS	7439-96-5	Manganese	2.00	0.10	MDL	ug/g	Wet Wt	1	2	100	10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1318
EOT00-04	E0001604C1	Check Standard	Lab QC	CS	7439-98-7	Molybdenum	2.00	0.10	MDL	ug/g	Wet Wt	1	2	100	10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1318
EOT00-04	E0001604C1	Check Standard	Lab QC	CS	7439-92-1	Lead	2.10	0.50	MDL	ug/g	Wet Wt	1	2	105	10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1318
EOT00-04	E0001604C1	Check Standard	Lab QC	CS	7440-66-6	Zinc	2.00	0.10	MDL	ug/g	Wet Wt	1	2	100	10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1318
EOT00-04	E0001604BS	Lab. Blank Spike	Lab QC	BS	7440-43-9	Cadmium	98			%	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1321
EOT00-04	E0001604B	Laboratory Blank	Lab QC	BLANK	7440-43-9	Cadmium	0.0033	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1324
EOT00-04	E0001604B	Laboratory Blank	Lab QC	BLANK	7440-50-8	Copper	-0.0020	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1324
EOT00-04	E0001604B	Laboratory Blank	Lab QC	BLANK	7439-89-6	Iron	0.0252	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1324
EOT00-04	E0001604B	Laboratory Blank	Lab QC	BLANK	7439-96-5	Manganese	0.0033	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1324
EOT00-04	E0001604B	Laboratory Blank	Lab QC	BLANK	7439-98-7	Molybdenum	-0.0012	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1324
EOT00-04	E0001604B	Laboratory Blank	Lab QC	BLANK	7439-92-1	Lead	-0.0073	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1324
EOT00-04	E0001604B	Laboratory Blank	Lab QC	BLANK	7440-66-6	Zinc	0.0005	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1324
EOT00-04	E0001604SR	TORT-2	Tissue	SRM	7440-43-9	Cadmium	27.00	0.10	MDL	ug/g	Wet Wt	1	26.7	101	10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1327
EOT00-04	E0001604SR	TORT-2	Tissue	SRM	7440-50-8	Copper	100.00	0.10	MDL	ug/g	Wet Wt	1	106	94	10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1327
EOT00-04	E0001604SR	TORT-2	Tissue	SRM	7439-89-6	Iron	98.00	0.50	MDL	ug/g	Wet Wt	1	105	93	10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1327
EOT00-04	E0001604SR	TORT-2	Tissue	SRM	7439-96-5	Manganese	13.00	0.10	MDL	ug/g	Wet Wt	1	13.6	96	10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1327
EOT00-04	E0001604SR	TORT-2	Tissue	SRM	7439-98-7	Molybdenum	1.20	0.10	MDL	ug/g	Wet Wt	1	0.95	126	10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1327
EOT00-04	E0001604SR	TORT-2	Tissue	SRM	7440-66-6	Zinc	180.00	0.10	MDL	ug/g	Wet Wt	1	180	100	10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1327
EOT00-04	E0001604S1	House Ref. Liver	Tissue	HRL	7440-43-9	Cadmium	50.00	0.10	MDL	ug/g	Wet Wt	1	54.3	92	10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1331
EOT00-04	E0001604S1	House Ref. Liver	Tissue	HRL	7440-50-8	Copper	120.00	0.10	MDL	ug/g	Wet Wt	1	123	98	10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1331
EOT00-04	E0001604S1	House Ref. Liver	Tissue	HRL	7439-89-6	Iron	180.00	0.50	MDL	ug/g	Wet Wt	1	183	98	10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1331
EOT00-04	E0001604S1	House Ref. Liver	Tissue	HRL	7439-96-5	Manganese	11.00	0.10	MDL	ug/g	Wet Wt	1	10.1	109	10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1331
EOT00-04	E0001604S1	House Ref. Liver	Tissue	HRL	7439-98-7	Molybdenum	2.90	0.10	MDL	ug/g	Wet Wt	1	3.17	91	10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1331
EOT00-04	E0001604S1	House Ref. Liver	Tissue	HRL	7439-92-1	Lead	46.00	0.50	MDL	ug/g	Wet Wt	1	48	96	10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1331
EOT00-04	E0001604S1	House Ref. Liver	Tissue	HRL	7440-66-6	Zinc	120.00	0.10	MDL	ug/g	Wet Wt	1	120	100	10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1331
EOT00-04	E0001604	352-0-002177-L	Liver	Triplicate	7440-43-9	Cadmium	0.17	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1334
EOT00-04	E0001604	352-0-002177-L	Liver	Triplicate	7440-50-8	Copper	60.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1334
EOT00-04	E0001604	352-0-002177-L	Liver	Triplicate	7439-89-6	Iron	220.00	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1334
EOT00-04	E0001604	352-0-002177-L	Liver	Triplicate	7439-96-5	Manganese	2.70	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1334
EOT00-04	E0001604	352-0-002177-L	Liver	Triplicate	7439-98-7	Molybdenum	1.10	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1334
EOT00-04	E0001604	352-0-002177-L	Liver	Triplicate	7439-92-1	Lead	0.0006	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1334
EOT00-04	E0001604	352-0-002177-L	Liver	Triplicate	7440-66-6	Zinc	19.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1334
EOT00-04	E0001604-2	352-0-002177-L	Liver	Triplicate	7440-43-9	Cadmium	0.20	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1337
EOT00-04	E0001604-2	352-0-002177-L	Liver	Triplicate	7440-50-8	Copper	54.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1337
EOT00-04	E0001604-2	352-0-002177-L	Liver	Triplicate	7439-89-6	Iron	220.00	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1337
EOT00-04	E0001604-2	352-0-002177-L	Liver	Triplicate	7439-96-5	Manganese	2.70	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1337
EOT00-04	E0001604-2	352-0-002177-L	Liver	Triplicate	7439-98-7	Molybdenum	1.10	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1337
EOT00-04	E0001604-2	352-0-002177-L	Liver	Triplicate	7439-92-1	Lead	0.0478	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1337

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
TRACE METALS BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
EOT00-04	E0001604-2	352-0-002177-L	Liver	Triplicate	7440-66-6	Zinc	19.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1337
EOT00-04	E0001604-3	352-0-002177-L	Liver	Triplicate	7440-43-9	Cadmium	0.16	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1340
EOT00-04	E0001604-3	352-0-002177-L	Liver	Triplicate	7440-50-8	Copper	44.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1340
EOT00-04	E0001604-3	352-0-002177-L	Liver	Triplicate	7439-89-6	Iron	190.00	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1340
EOT00-04	E0001604-3	352-0-002177-L	Liver	Triplicate	7439-96-5	Manganese	2.10	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1340
EOT00-04	E0001604-3	352-0-002177-L	Liver	Triplicate	7439-98-7	Molybdenum	0.82	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1340
EOT00-04	E0001604-3	352-0-002177-L	Liver	Triplicate	7439-92-1	Lead	0.0760	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1340
EOT00-04	E0001604-3	352-0-002177-L	Liver	Triplicate	7440-66-6	Zinc	18.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1340
EOT00-04	E0001604MS	352-0-002177-L-MS	Liver	MS	7440-43-9	Cadmium					Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1343
EOT00-04	E0001605	302-0-012249-M	Muscle	Primary	7440-43-9	Cadmium	-1.35	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1346
EOT00-04	E0001605	302-0-012249-M	Muscle	Primary	7440-50-8	Copper	1.50	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1346
EOT00-04	E0001605	302-0-012249-M	Muscle	Primary	7439-89-6	Iron	34.00	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1346
EOT00-04	E0001605	302-0-012249-M	Muscle	Primary	7439-96-5	Manganese	0.24	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1346
EOT00-04	E0001605	302-0-012249-M	Muscle	Primary	7439-98-7	Molybdenum	-0.0026	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP_ AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1346
EOT00-04	E0001605	302-0-012249-M	Muscle	Primary	7439-92-1	Lead	0.0262	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1346
EOT00-04	E0001605	302-0-012249-M	Muscle	Primary	7440-66-6	Zinc	29.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1346
EOT00-04	E0001607	302-0-008702-M	Muscle	Primary	7440-43-9	Cadmium	0.0363	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1352
EOT00-04	E0001607	302-0-008702-M	Muscle	Primary	7440-50-8	Copper	1.60	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1352
EOT00-04	E0001607	302-0-008702-M	Muscle	Primary	7439-89-6	Iron	29.00	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1352
EOT00-04	E0001607	302-0-008702-M	Muscle	Primary	7439-96-5	Manganese	0.20	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1352
EOT00-04	E0001607	302-0-008702-M	Muscle	Primary	7439-98-7	Molybdenum	-0.0818	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1352
EOT00-04	E0001607	302-0-008702-M	Muscle	Primary	7439-92-1	Lead	0.0678	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1352
EOT00-04	E0001607	302-0-008702-M	Muscle	Primary	7440-66-6	Zinc	39.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1352
EOT00-04	E0001608	302-0-008702-L	Liver	Primary	7440-43-9	Cadmium	0.14	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1355
EOT00-04	E0001608	302-0-008702-L	Liver	Primary	7440-50-8	Copper	10.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1355
EOT00-04	E0001608	302-0-008702-L	Liver	Primary	7439-89-6	Iron	79.00	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1355
EOT00-04	E0001608	302-0-008702-L	Liver	Primary	7439-96-5	Manganese	2.80	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1355
EOT00-04	E0001608	302-0-008702-L	Liver	Primary	7439-98-7	Molybdenum	1.20	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1355
EOT00-04	E0001608	302-0-008702-L	Liver	Primary	7439-92-1	Lead	-0.0654	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1355
EOT00-04	E0001608	302-0-008702-L	Liver	Primary	7440-66-6	Zinc	36.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1355
EOT00-04	E0001609	302-0-008085-M	Muscle	Primary	7440-43-9	Cadmium	-1.65	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1358
EOT00-04	E0001609	302-0-008085-M	Muscle	Primary	7440-50-8	Copper	2.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1358
EOT00-04	E0001609	302-0-008085-M	Muscle	Primary	7439-89-6	Iron	30.00	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1358
EOT00-04	E0001609	302-0-008085-M	Muscle	Primary	7439-96-5	Manganese	0.39	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1358
EOT00-04	E0001609	302-0-008085-M	Muscle	Primary	7439-98-7	Molybdenum	0.0131	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1358
EOT00-04	E0001609	302-0-008085-M	Muscle	Primary	7439-92-1	Lead	-0.175	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1358
EOT00-04	E0001609	302-0-008085-M	Muscle	Primary	7440-66-6	Zinc	27.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1358
EOT00-04	E0001609SR	House Ref. Liver	Tissue	HRL	7440-43-9	Cadmium	51.00	0.10	MDL	ug/g	Wet Wt	1	54.3	94	10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1401
EOT00-04	E0001609SR	House Ref. Liver	Tissue	HRL	7440-50-8	Copper	120.00	0.10	MDL	ug/g	Wet Wt	1	123	98	10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1401
EOT00-04	E0001609SR	House Ref. Liver	Tissue	HRL	7439-89-6	Iron	170.00	0.50	MDL	ug/g	Wet Wt	1	183	93	10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1401
EOT00-04	E0001609SR	House Ref. Liver	Tissue	HRL	7439-96-5	Manganese	11.00	0.10	MDL	ug/g	Wet Wt	1	10.1	109	10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1401
EOT00-04	E0001609SR	House Ref. Liver	Tissue	HRL	7439-98-7	Molybdenum	3.00	0.10	MDL	ug/g	Wet Wt	1	3.17	95	10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1401
EOT00-04	E0001609SR	House Ref. Liver	Tissue	HRL	7439-92-1	Lead	47.00	0.50	MDL	ug/g	Wet Wt	1	48	98	10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1401
EOT00-04	E0001609SR	House Ref. Liver	Tissue	HRL	7440-66-6	Zinc	120.00	0.10	MDL	ug/g	Wet Wt	1	120	100	10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1401
EOT00-04	E0001609B	Laboratory Blank	Lab QC	BLANK	7440-43-9	Cadmium	0.0033	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1404
EOT00-04	E0001609B	Laboratory Blank	Lab QC	BLANK	7440-50-8	Copper	0.0036	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1404
EOT00-04	E0001609B	Laboratory Blank	Lab QC	BLANK	7439-89-6	Iron	0.0465	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1404
EOT00-04	E0001609B	Laboratory Blank	Lab QC	BLANK	7439-96-5	Manganese	0.0028	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1404
EOT00-04	E0001609B	Laboratory Blank	Lab QC	BLANK	7439-98-7	Molybdenum	-0.0010	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1404
EOT00-04	E0001609B	Laboratory Blank	Lab QC	BLANK	7439-92-1	Lead	-0.0032	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1404
EOT00-04	E0001609B	Laboratory Blank	Lab QC	BLANK	7440-66-6	Zinc	-0.0011	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1404
EOT00-04	E0001609CS	Check Standard	Lab QC	CS	7440-43-9	Cadmium	2.10	0.10	MDL	ug/g	Wet Wt	1	2	105	10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1407

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
TRACE METALS BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
EOT00-04	E0001609CS	Check Standard	Lab QC	CS	7440-50-8	Copper	2.10	0.10	MDL	ug/g	Wet Wt	1	2	105	10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1407
EOT00-04	E0001609CS	Check Standard	Lab QC	CS	7439-89-6	Iron	20.00	0.50	MDL	ug/g	Wet Wt	1	20	100	10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1407
EOT00-04	E0001609CS	Check Standard	Lab QC	CS	7439-96-5	Manganese	2.10	0.10	MDL	ug/g	Wet Wt	1	2	105	10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1407
EOT00-04	E0001609CS	Check Standard	Lab QC	CS	7439-98-7	Molybdenum	2.10	0.10	MDL	ug/g	Wet Wt	1	2	105	10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1407
EOT00-04	E0001609CS	Check Standard	Lab QC	CS	7439-92-1	Lead	2.10	0.50	MDL	ug/g	Wet Wt	1	2	105	10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1407
EOT00-04	E0001609CS	Check Standard	Lab QC	CS	7440-66-6	Zinc	1.90	0.10	MDL	ug/g	Wet Wt	1	2	95	10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1407
EOT00-04	E0001609BS	Lab. Blank Spike	Lab QC	BS	7440-43-9	Cadmium	100			%	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1413
EOT00-04	E0001610	302-0-008085-L	Liver	Primary	7440-43-9	Cadmium	0.32	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1417
EOT00-04	E0001610	302-0-008085-L	Liver	Primary	7440-50-8	Copper	13.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1417
EOT00-04	E0001610	302-0-008085-L	Liver	Primary	7439-89-6	Iron	110.00	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1417
EOT00-04	E0001610	302-0-008085-L	Liver	Primary	7439-96-5	Manganese	3.20	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1417
EOT00-04	E0001610	302-0-008085-L	Liver	Primary	7439-98-7	Molybdenum	1.30	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1417
EOT00-04	E0001610	302-0-008085-L	Liver	Primary	7439-92-1	Lead	-0.0477	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1417
EOT00-04	E0001610	302-0-008085-L	Liver	Primary	7440-66-6	Zinc	30.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1417
EOT00-04	E0001611	302-0-007469-M	Muscle	Primary	7440-43-9	Cadmium	-1.67	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1420
EOT00-04	E0001611	302-0-007469-M	Muscle	Primary	7440-50-8	Copper	1.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1420
EOT00-04	E0001611	302-0-007469-M	Muscle	Primary	7439-89-6	Iron	30.00	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1420
EOT00-04	E0001611	302-0-007469-M	Muscle	Primary	7439-96-5	Manganese	0.23	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1420
EOT00-04	E0001611	302-0-007469-M	Muscle	Primary	7439-98-7	Molybdenum	-0.0238	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1420
EOT00-04	E0001611	302-0-007469-M	Muscle	Primary	7439-92-1	Lead	0.171	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1420
EOT00-04	E0001611	302-0-007469-M	Muscle	Primary	7440-66-6	Zinc	68.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1420
EOT00-04	E0001612	302-0-007469-L	Liver	Primary	7440-43-9	Cadmium	0.28	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1423
EOT00-04	E0001612	302-0-007469-L	Liver	Primary	7440-50-8	Copper	24.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1423
EOT00-04	E0001612	302-0-007469-L	Liver	Primary	7439-89-6	Iron	120.00	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1423
EOT00-04	E0001612	302-0-007469-L	Liver	Primary	7439-96-5	Manganese	2.60	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1423
EOT00-04	E0001612	302-0-007469-L	Liver	Primary	7439-98-7	Molybdenum	1.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1423
EOT00-04	E0001612	302-0-007469-L	Liver	Primary	7439-92-1	Lead	0.0767	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1423
EOT00-04	E0001612	302-0-007469-L	Liver	Primary	7440-66-6	Zinc	23.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1423
EOT00-04	E0001615	302-0-002468-M	Muscle	Primary	7440-43-9	Cadmium	-1.91	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1426
EOT00-04	E0001615	302-0-002468-M	Muscle	Primary	7440-50-8	Copper	1.70	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1426
EOT00-04	E0001615	302-0-002468-M	Muscle	Primary	7439-89-6	Iron	59.00	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1426
EOT00-04	E0001615	302-0-002468-M	Muscle	Primary	7439-96-5	Manganese	0.46	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1426
EOT00-04	E0001615	302-0-002468-M	Muscle	Primary	7439-98-7	Molybdenum	-0.0541	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1426
EOT00-04	E0001615	302-0-002468-M	Muscle	Primary	7439-92-1	Lead	0.0480	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1426
EOT00-04	E0001615	302-0-002468-M	Muscle	Primary	7440-66-6	Zinc	61.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1426
EOT00-04	E0001615D	302-0-002468-M	Muscle	Lab Duplicate	7440-43-9	Cadmium	-1.51	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1429
EOT00-04	E0001615D	302-0-002468-M	Muscle	Lab Duplicate	7440-50-8	Copper	1.80	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1429
EOT00-04	E0001615D	302-0-002468-M	Muscle	Lab Duplicate	7439-89-6	Iron	69.00	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1429
EOT00-04	E0001615D	302-0-002468-M	Muscle	Lab Duplicate	7439-96-5	Manganese	0.72	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1429
EOT00-04	E0001615D	302-0-002468-M	Muscle	Lab Duplicate	7439-98-7	Molybdenum	-0.0391	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1429
EOT00-04	E0001615D	302-0-002468-M	Muscle	Lab Duplicate	7439-92-1	Lead	0.134	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1429
EOT00-04	E0001615D	302-0-002468-M	Muscle	Lab Duplicate	7440-66-6	Zinc	62.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1429
EOT00-04	E0001616	302-0-002468-L	Liver	Primary	7440-43-9	Cadmium	0.48	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1432
EOT00-04	E0001616	302-0-002468-L	Liver	Primary	7440-50-8	Copper	18.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1432
EOT00-04	E0001616	302-0-002468-L	Liver	Primary	7439-89-6	Iron	150.00	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1432
EOT00-04	E0001616	302-0-002468-L	Liver	Primary	7439-96-5	Manganese	4.30	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1432
EOT00-04	E0001616	302-0-002468-L	Liver	Primary	7439-98-7	Molybdenum	2.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1432
EOT00-04	E0001616	302-0-002468-L	Liver	Primary	7439-92-1	Lead	0.233	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1432
EOT00-04	E0001616	302-0-002468-L	Liver	Primary	7440-66-6	Zinc	40.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1432
EOT00-04	E0001619	302-0-007359-M	Muscle	Primary	7440-43-9	Cadmium	-2.23	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1435
EOT00-04	E0001619	302-0-007359-M	Muscle	Primary	7440-50-8	Copper	1.20	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1435
EOT00-04	E0001619	302-0-007359-M	Muscle	Primary	7439-89-6	Iron	66.00	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1435

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
TRACE METALS BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
EOT00-04	E0001619	302-0-007359-M	Muscle	Primary	7439-96-5	Manganese	1.60	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1435
EOT00-04	E0001619	302-0-007359-M	Muscle	Primary	7439-98-7	Molybdenum	-0.0181	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1435
EOT00-04	E0001619	302-0-007359-M	Muscle	Primary	7439-92-1	Lead	0.0219	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1435
EOT00-04	E0001619	302-0-007359-M	Muscle	Primary	7440-66-6	Zinc	60.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1435
EOT00-04	E0001620	302-0-007359-L	Liver	Primary	7440-43-9	Cadmium	0.23	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1438
EOT00-04	E0001620	302-0-007359-L	Liver	Primary	7440-50-8	Copper	12.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1438
EOT00-04	E0001620	302-0-007359-L	Liver	Primary	7439-89-6	Iron	120.00	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1438
EOT00-04	E0001620	302-0-007359-L	Liver	Primary	7439-96-5	Manganese	2.90	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1438
EOT00-04	E0001620	302-0-007359-L	Liver	Primary	7439-98-7	Molybdenum	1.50	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1438
EOT00-04	E0001620	302-0-007359-L	Liver	Primary	7439-92-1	Lead	-0.201	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1438
EOT00-04	E0001620	302-0-007359-L	Liver	Primary	7440-66-6	Zinc	39.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1438
EOT00-04	E0001620D	302-0-007359-L	Liver	Lab Duplicate	7440-43-9	Cadmium	0.22	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1441
EOT00-04	E0001620D	302-0-007359-L	Liver	Lab Duplicate	7440-50-8	Copper	12.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1441
EOT00-04	E0001620D	302-0-007359-L	Liver	Lab Duplicate	7439-89-6	Iron	110.00	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1441
EOT00-04	E0001620D	302-0-007359-L	Liver	Lab Duplicate	7439-96-5	Manganese	3.20	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1441
EOT00-04	E0001620D	302-0-007359-L	Liver	Lab Duplicate	7439-98-7	Molybdenum	1.50	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1441
EOT00-04	E0001620D	302-0-007359-L	Liver	Lab Duplicate	7439-92-1	Lead	-0.0146	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1441
EOT00-04	E0001620D	302-0-007359-L	Liver	Lab Duplicate	7440-66-6	Zinc	37.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1441
EOT00-04	E0001620S1	House Ref. Liver	Tissue	HRL	7440-43-9	Cadmium	54.00	0.10	MDL	ug/g	Wet Wt	1	54.3	99	10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1444
EOT00-04	E0001620S1	House Ref. Liver	Tissue	HRL	7440-50-8	Copper	130.00	0.10	MDL	ug/g	Wet Wt	1	123	106	10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1444
EOT00-04	E0001620S1	House Ref. Liver	Tissue	HRL	7439-89-6	Iron	180.00	0.50	MDL	ug/g	Wet Wt	1	183	98	10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1444
EOT00-04	E0001620S1	House Ref. Liver	Tissue	HRL	7439-96-5	Manganese	12.00	0.10	MDL	ug/g	Wet Wt	1	10.1	119	10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1444
EOT00-04	E0001620S1	House Ref. Liver	Tissue	HRL	7439-98-7	Molybdenum	3.30	0.10	MDL	ug/g	Wet Wt	1	3.17	104	10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1444
EOT00-04	E0001620S1	House Ref. Liver	Tissue	HRL	7439-92-1	Lead	49.00	0.50	MDL	ug/g	Wet Wt	1	48	102	10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1444
EOT00-04	E0001620S1	House Ref. Liver	Tissue	HRL	7440-66-6	Zinc	120.00	0.10	MDL	ug/g	Wet Wt	1	120	100	10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1444
EOT00-04	E0001620B	Laboratory Blank	Lab QC	BLANK	7440-43-9	Cadmium	0.0027	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1447
EOT00-04	E0001620B	Laboratory Blank	Lab QC	BLANK	7440-50-8	Copper	0.0032	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1447
EOT00-04	E0001620B	Laboratory Blank	Lab QC	BLANK	7439-89-6	Iron	0.0493	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1447
EOT00-04	E0001620B	Laboratory Blank	Lab QC	BLANK	7439-96-5	Manganese	0.0032	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1447
EOT00-04	E0001620B	Laboratory Blank	Lab QC	BLANK	7439-98-7	Molybdenum	-0.0035	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1447
EOT00-04	E0001620B	Laboratory Blank	Lab QC	BLANK	7439-92-1	Lead	-0.0188	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1447
EOT00-04	E0001620B	Laboratory Blank	Lab QC	BLANK	7440-66-6	Zinc	0.0010	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1447
EOT00-04	E0001620BS	Lab. Blank Spike	Lab QC	BS	7440-43-9	Cadmium	101			%	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1450
EOT00-04	E0001620CS	Check Standard	Lab QC	CS	7440-43-9	Cadmium	2.10	0.10	MDL	ug/g	Wet Wt	1	2	105	10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1456
EOT00-04	E0001620CS	Check Standard	Lab QC	CS	7440-50-8	Copper	2.10	0.10	MDL	ug/g	Wet Wt	1	2	105	10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1456
EOT00-04	E0001620CS	Check Standard	Lab QC	CS	7439-89-6	Iron	21.00	0.50	MDL	ug/g	Wet Wt	1	20	105	10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1456
EOT00-04	E0001620CS	Check Standard	Lab QC	CS	7439-96-5	Manganese	2.10	0.10	MDL	ug/g	Wet Wt	1	2	105	10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1456
EOT00-04	E0001620CS	Check Standard	Lab QC	CS	7439-98-7	Molybdenum	2.10	0.10	MDL	ug/g	Wet Wt	1	2	105	10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1456
EOT00-04	E0001620CS	Check Standard	Lab QC	CS	7439-92-1	Lead	2.10	0.50	MDL	ug/g	Wet Wt	1	2	105	10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1456
EOT00-04	E0001620CS	Check Standard	Lab QC	CS	7440-66-6	Zinc	1.90	0.10	MDL	ug/g	Wet Wt	1	2	95	10/31/2000	ICP - AES	HMICP_12-11-00	1211HMSMW	12/5/2000	12/11/2000	1456
EOT00-04	E0001587CS	Check Standard	Lab QC	CS	7440-43-9	Cadmium	2.00	0.10	MDL	ug/g	Wet Wt	1	2	100	10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1405
EOT00-04	E0001587CS	Check Standard	Lab QC	CS	7440-50-8	Copper	2.00	0.10	MDL	ug/g	Wet Wt	1	2	100	10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1405
EOT00-04	E0001587CS	Check Standard	Lab QC	CS	7439-89-6	Iron	20.00	0.50	MDL	ug/g	Wet Wt	1	20	100	10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1405
EOT00-04	E0001587CS	Check Standard	Lab QC	CS	7439-96-5	Manganese	2.00	0.10	MDL	ug/g	Wet Wt	1	2	100	10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1405
EOT00-04	E0001587CS	Check Standard	Lab QC	CS	7439-98-7	Molybdenum	2.00	0.10	MDL	ug/g	Wet Wt	1	2	100	10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1405
EOT00-04	E0001587CS	Check Standard	Lab QC	CS	7439-92-1	Lead	2.00	0.50	MDL	ug/g	Wet Wt	1	2	100	10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1405
EOT00-04	E0001587CS	Check Standard	Lab QC	CS	7440-66-6	Zinc	2.00	0.10	MDL	ug/g	Wet Wt	1	2	100	10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1405
EOT00-04	E0001587B	Laboratory Blank	Lab QC	BLANK	7440-43-9	Cadmium	0.0013	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1409
EOT00-04	E0001587B	Laboratory Blank	Lab QC	BLANK	7440-50-8	Copper	0.0014	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1409
EOT00-04	E0001587B	Laboratory Blank	Lab QC	BLANK	7439-89-6	Iron	0.0102	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1409
EOT00-04	E0001587B	Laboratory Blank	Lab QC	BLANK	7439-96-5	Manganese	0.0007	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1409
EOT00-04	E0001587B	Laboratory Blank	Lab QC	BLANK	7439-98-7	Molybdenum	0.0104	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1409

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
TRACE METALS BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
EOT00-04	E0001587B	Laboratory Blank	Lab QC	BLANK	7439-92-1	Lead	0.0047	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1409
EOT00-04	E0001587B	Laboratory Blank	Lab QC	BLANK	7440-66-6	Zinc	-0.0006	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1409
EOT00-04	E0001587BS	Lab. Blank Spike	Lab QC	BS	7440-43-9	Cadmium	97			%	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1412
EOT00-04	E0001587S1	TORT-2	Tissue	SRM	7440-43-9	Cadmium	27.00	0.10	MDL	ug/g	Wet Wt	1	26.7	101	10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1416
EOT00-04	E0001587S1	TORT-2	Tissue	SRM	7440-50-8	Copper	100.00	0.10	MDL	ug/g	Wet Wt	1	106	94	10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1416
EOT00-04	E0001587S1	TORT-2	Tissue	SRM	7439-89-6	Iron	100.00	0.50	MDL	ug/g	Wet Wt	1	105	95	10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1416
EOT00-04	E0001587S1	TORT-2	Tissue	SRM	7439-96-5	Manganese	13.00	0.10	MDL	ug/g	Wet Wt	1	13.6	96	10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1416
EOT00-04	E0001587S1	TORT-2	Tissue	SRM	7439-98-7	Molybdenum	1.60	0.10	MDL	ug/g	Wet Wt	1	0.95	168	10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1416
EOT00-04	E0001587S1	TORT-2	Tissue	SRM	7440-66-6	Zinc	180.00	0.10	MDL	ug/g	Wet Wt	1	180	100	10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1416
EOT00-04	E0001587SR	House Ref. Liver	Tissue	HRL	7440-43-9	Cadmium	49.00	0.10	MDL	ug/g	Wet Wt	1	54.3	90	10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1419
EOT00-04	E0001587SR	House Ref. Liver	Tissue	HRL	7440-50-8	Copper	120.00	0.10	MDL	ug/g	Wet Wt	1	123	98	10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1419
EOT00-04	E0001587SR	House Ref. Liver	Tissue	HRL	7439-89-6	Iron	160.00	0.50	MDL	ug/g	Wet Wt	1	183	87	10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1419
EOT00-04	E0001587SR	House Ref. Liver	Tissue	HRL	7439-96-5	Manganese	11.00	0.10	MDL	ug/g	Wet Wt	1	10.1	109	10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1419
EOT00-04	E0001587SR	House Ref. Liver	Tissue	HRL	7439-98-7	Molybdenum	2.90	0.10	MDL	ug/g	Wet Wt	1	3.17	91	10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1419
EOT00-04	E0001587SR	House Ref. Liver	Tissue	HRL	7439-92-1	Lead	43.00	0.50	MDL	ug/g	Wet Wt	1	48	90	10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1419
EOT00-04	E0001587SR	House Ref. Liver	Tissue	HRL	7440-66-6	Zinc	110.00	0.10	MDL	ug/g	Wet Wt	1	120	92	10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1419
EOT00-04	E0001587	302-0-012320-M	Muscle	Primary	7440-43-9	Cadmium	0.0116	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1422
EOT00-04	E0001587	302-0-012320-M	Muscle	Primary	7440-50-8	Copper	1.40	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1422
EOT00-04	E0001587	302-0-012320-M	Muscle	Primary	7439-89-6	Iron	36.00	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1422
EOT00-04	E0001587	302-0-012320-M	Muscle	Primary	7439-96-5	Manganese	0.0804	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1422
EOT00-04	E0001587	302-0-012320-M	Muscle	Primary	7439-98-7	Molybdenum	0.0574	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1422
EOT00-04	E0001587	302-0-012320-M	Muscle	Primary	7439-92-1	Lead	-0.0784	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1422
EOT00-04	E0001587	302-0-012320-M	Muscle	Primary	7440-66-6	Zinc	43.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1422
EOT00-04	E0001588	302-0-012320-L	Liver	Primary	7440-43-9	Cadmium	0.18	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1425
EOT00-04	E0001588	302-0-012320-L	Liver	Primary	7440-50-8	Copper	28.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1425
EOT00-04	E0001588	302-0-012320-L	Liver	Primary	7439-89-6	Iron	130.00	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1425
EOT00-04	E0001588	302-0-012320-L	Liver	Primary	7439-96-5	Manganese	3.30	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1425
EOT00-04	E0001588	302-0-012320-L	Liver	Primary	7439-98-7	Molybdenum	0.98	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1425
EOT00-04	E0001588	302-0-012320-L	Liver	Primary	7439-92-1	Lead	0.208	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1425
EOT00-04	E0001588	302-0-012320-L	Liver	Primary	7440-66-6	Zinc	25.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1425
EOT00-04	E0001591	352-0-002092-M	Muscle	Primary	7440-43-9	Cadmium	0.0131	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1428
EOT00-04	E0001591	352-0-002092-M	Muscle	Primary	7440-50-8	Copper	2.20	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1428
EOT00-04	E0001591	352-0-002092-M	Muscle	Primary	7439-89-6	Iron	25.00	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1428
EOT00-04	E0001591	352-0-002092-M	Muscle	Primary	7439-96-5	Manganese	0.22	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1428
EOT00-04	E0001591	352-0-002092-M	Muscle	Primary	7439-98-7	Molybdenum	0.0985	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1428
EOT00-04	E0001591	352-0-002092-M	Muscle	Primary	7439-92-1	Lead	0.432	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1428
EOT00-04	E0001591	352-0-002092-M	Muscle	Primary	7440-66-6	Zinc	28.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1428
EOT00-04	E0001592	352-0-002092-L	Liver	Primary	7440-43-9	Cadmium	0.15	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1431
EOT00-04	E0001592	352-0-002092-L	Liver	Primary	7440-50-8	Copper	30.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1431
EOT00-04	E0001592	352-0-002092-L	Liver	Primary	7439-89-6	Iron	74.00	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1431
EOT00-04	E0001592	352-0-002092-L	Liver	Primary	7439-96-5	Manganese	3.70	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1431
EOT00-04	E0001592	352-0-002092-L	Liver	Primary	7439-98-7	Molybdenum	1.60	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1431
EOT00-04	E0001592	352-0-002092-L	Liver	Primary	7439-92-1	Lead	0.157	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1431
EOT00-04	E0001592	352-0-002092-L	Liver	Primary	7440-66-6	Zinc	29.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1431
EOT00-04	E0001593	302-0-004558-M	Muscle	Primary	7440-43-9	Cadmium	0.0519	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1434
EOT00-04	E0001593	302-0-004558-M	Muscle	Primary	7440-50-8	Copper	0.81	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1434
EOT00-04	E0001593	302-0-004558-M	Muscle	Primary	7439-89-6	Iron	32.00	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1434
EOT00-04	E0001593	302-0-004558-M	Muscle	Primary	7439-96-5	Manganese	0.25	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1434
EOT00-04	E0001593	302-0-004558-M	Muscle	Primary	7439-98-7	Molybdenum	0.16	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1434
EOT00-04	E0001593	302-0-004558-M	Muscle	Primary	7439-92-1	Lead	-0.0249	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1434
EOT00-04	E0001593	302-0-004558-M	Muscle	Primary	7440-66-6	Zinc	76.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1434
EOT00-04	E0001594	302-0-004558-L	Liver	Primary	7440-43-9	Cadmium	0.27	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1437

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
TRACE METALS BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
EOT00-04	E0001594	302-0-004558-L	Liver	Primary	7440-50-8	Copper	10.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1437
EOT00-04	E0001594	302-0-004558-L	Liver	Primary	7439-89-6	Iron	140.00	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1437
EOT00-04	E0001594	302-0-004558-L	Liver	Primary	7439-96-5	Manganese	2.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1437
EOT00-04	E0001594	302-0-004558-L	Liver	Primary	7439-98-7	Molybdenum	1.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1437
EOT00-04	E0001594	302-0-004558-L	Liver	Primary	7439-92-1	Lead	0.183	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1437
EOT00-04	E0001594	302-0-004558-L	Liver	Primary	7440-66-6	Zinc	18.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1437
EOT00-04	E0001595	302-0-006834-M	Muscle	Primary	7440-43-9	Cadmium	0.0215	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1440
EOT00-04	E0001595	302-0-006834-M	Muscle	Primary	7440-50-8	Copper	1.20	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1440
EOT00-04	E0001595	302-0-006834-M	Muscle	Primary	7439-89-6	Iron	23.00	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1440
EOT00-04	E0001595	302-0-006834-M	Muscle	Primary	7439-96-5	Manganese	0.21	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1440
EOT00-04	E0001595	302-0-006834-M	Muscle	Primary	7439-98-7	Molybdenum	0.0592	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1440
EOT00-04	E0001595	302-0-006834-M	Muscle	Primary	7439-92-1	Lead	0.0408	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1440
EOT00-04	E0001595	302-0-006834-M	Muscle	Primary	7440-66-6	Zinc	46.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1440
EOT00-04	E0001595D	302-0-006834-M	Muscle	Lab Duplicate	7440-43-9	Cadmium	0.0249	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1443
EOT00-04	E0001595D	302-0-006834-M	Muscle	Lab Duplicate	7440-50-8	Copper	1.20	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1443
EOT00-04	E0001595D	302-0-006834-M	Muscle	Lab Duplicate	7439-89-6	Iron	24.00	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1443
EOT00-04	E0001595D	302-0-006834-M	Muscle	Lab Duplicate	7439-96-5	Manganese	0.22	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1443
EOT00-04	E0001595D	302-0-006834-M	Muscle	Lab Duplicate	7439-98-7	Molybdenum	0.0803	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1443
EOT00-04	E0001595D	302-0-006834-M	Muscle	Lab Duplicate	7439-92-1	Lead	0.343	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1443
EOT00-04	E0001595D	302-0-006834-M	Muscle	Lab Duplicate	7440-66-6	Zinc	45.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1443
EOT00-04	E0001596	302-0-006834-L	Liver	Primary	7440-43-9	Cadmium	0.17	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1446
EOT00-04	E0001596	302-0-006834-L	Liver	Primary	7440-50-8	Copper	15.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1446
EOT00-04	E0001596	302-0-006834-L	Liver	Primary	7439-89-6	Iron	120.00	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1446
EOT00-04	E0001596	302-0-006834-L	Liver	Primary	7439-96-5	Manganese	2.90	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1446
EOT00-04	E0001596	302-0-006834-L	Liver	Primary	7439-98-7	Molybdenum	1.30	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1446
EOT00-04	E0001596	302-0-006834-L	Liver	Primary	7439-92-1	Lead	0.0609	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1446
EOT00-04	E0001596	302-0-006834-L	Liver	Primary	7440-66-6	Zinc	31.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1446
EOT00-04	E0001596D	302-0-006834-L	Liver	Lab Duplicate	7440-43-9	Cadmium	0.17	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1449
EOT00-04	E0001596D	302-0-006834-L	Liver	Lab Duplicate	7440-50-8	Copper	14.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1449
EOT00-04	E0001596D	302-0-006834-L	Liver	Lab Duplicate	7439-89-6	Iron	100.00	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1449
EOT00-04	E0001596D	302-0-006834-L	Liver	Lab Duplicate	7439-96-5	Manganese	3.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1449
EOT00-04	E0001596D	302-0-006834-L	Liver	Lab Duplicate	7439-98-7	Molybdenum	1.30	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1449
EOT00-04	E0001596D	302-0-006834-L	Liver	Lab Duplicate	7439-92-1	Lead	0.285	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1449
EOT00-04	E0001596D	302-0-006834-L	Liver	Lab Duplicate	7440-66-6	Zinc	31.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1449
EOT00-04	E0001596SR	House Ref. Liver	Tissue	HRL	7440-43-9	Cadmium	52.2	0.10	MDL	ug/g	Wet Wt	1	54.3	96	10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1452
EOT00-04	E0001596SR	House Ref. Liver	Tissue	HRL	7440-50-8	Copper	125	0.10	MDL	ug/g	Wet Wt	1	123	102	10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1452
EOT00-04	E0001596SR	House Ref. Liver	Tissue	HRL	7439-89-6	Iron	196	0.50	MDL	ug/g	Wet Wt	1	183	107	10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1452
EOT00-04	E0001596SR	House Ref. Liver	Tissue	HRL	7439-96-5	Manganese	11.6	0.10	MDL	ug/g	Wet Wt	1	10.1	115	10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1452
EOT00-04	E0001596SR	House Ref. Liver	Tissue	HRL	7439-98-7	Molybdenum	3.60	0.10	MDL	ug/g	Wet Wt	1	3.17	114	10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1452
EOT00-04	E0001596SR	House Ref. Liver	Tissue	HRL	7439-92-1	Lead	46.4	0.50	MDL	ug/g	Wet Wt	1	48	97	10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1452
EOT00-04	E0001596SR	House Ref. Liver	Tissue	HRL	7440-66-6	Zinc	117	0.10	MDL	ug/g	Wet Wt	1	120	98	10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1452
EOT00-04	E0001596B	Laboratory Blank	Lab QC	BLANK	7440-43-9	Cadmium	0.0026	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1455
EOT00-04	E0001596B	Laboratory Blank	Lab QC	BLANK	7440-50-8	Copper	0.0050	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1455
EOT00-04	E0001596B	Laboratory Blank	Lab QC	BLANK	7439-89-6	Iron	0.0111	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1455
EOT00-04	E0001596B	Laboratory Blank	Lab QC	BLANK	7439-96-5	Manganese	0.0003	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1455
EOT00-04	E0001596B	Laboratory Blank	Lab QC	BLANK	7439-98-7	Molybdenum	0.0096	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1455
EOT00-04	E0001596B	Laboratory Blank	Lab QC	BLANK	7439-92-1	Lead	0.0395	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1455
EOT00-04	E0001596B	Laboratory Blank	Lab QC	BLANK	7440-66-6	Zinc	0.0010	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1455
EOT00-04	E0001596BS	Lab. Blank Spike	Lab QC	BS	7440-43-9	Cadmium		98		%	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1458
EOT00-04	E0001596CS	Check Standard	Lab QC	CS	7440-43-9	Cadmium	2.00	0.10	MDL	ug/g	Wet Wt	1	2	100	10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1504
EOT00-04	E0001596CS	Check Standard	Lab QC	CS	7440-50-8	Copper	2.00	0.10	MDL	ug/g	Wet Wt	1	2	100	10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1504
EOT00-04	E0001596CS	Check Standard	Lab QC	CS	7439-89-6	Iron	20.00	0.50	MDL	ug/g	Wet Wt	1	20	100	10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1504

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
TRACE METALS BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
EOT00-04	E0001596CS	Check Standard	Lab QC	CS	7439-96-5	Manganese	2.00	0.10	MDL	ug/g	Wet Wt	1	2	100	10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1504
EOT00-04	E0001596CS	Check Standard	Lab QC	CS	7439-98-7	Molybdenum	2.00	0.10	MDL	ug/g	Wet Wt	1	2	100	10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1504
EOT00-04	E0001596CS	Check Standard	Lab QC	CS	7439-92-1	Lead	2.00	0.50	MDL	ug/g	Wet Wt	1	2	100	10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1504
EOT00-04	E0001596CS	Check Standard	Lab QC	CS	7440-66-6	Zinc	1.90	0.10	MDL	ug/g	Wet Wt	1	2	95	10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1504
EOT00-04	E0001597	302-0-002305-M	Muscle	Triplicate	7440-43-9	Cadmium	0.0258	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1508
EOT00-04	E0001597	302-0-002305-M	Muscle	Triplicate	7440-50-8	Copper	1.20	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1508
EOT00-04	E0001597	302-0-002305-M	Muscle	Triplicate	7439-89-6	Iron	40.00	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1508
EOT00-04	E0001597	302-0-002305-M	Muscle	Triplicate	7439-96-5	Manganese	0.18	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1508
EOT00-04	E0001597	302-0-002305-M	Muscle	Triplicate	7439-98-7	Molybdenum	0.13	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1508
EOT00-04	E0001597	302-0-002305-M	Muscle	Triplicate	7439-92-1	Lead	0.0967	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1508
EOT00-04	E0001597	302-0-002305-M	Muscle	Triplicate	7440-66-6	Zinc	79.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1508
EOT00-04	E0001597-2	302-0-002305-M	Muscle	Triplicate	7440-43-9	Cadmium	0.0187	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1511
EOT00-04	E0001597-2	302-0-002305-M	Muscle	Triplicate	7440-50-8	Copper	1.20	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1511
EOT00-04	E0001597-2	302-0-002305-M	Muscle	Triplicate	7439-89-6	Iron	44.00	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1511
EOT00-04	E0001597-2	302-0-002305-M	Muscle	Triplicate	7439-96-5	Manganese	0.22	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1511
EOT00-04	E0001597-2	302-0-002305-M	Muscle	Triplicate	7439-98-7	Molybdenum	0.11	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1511
EOT00-04	E0001597-2	302-0-002305-M	Muscle	Triplicate	7439-92-1	Lead	0.166	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1511
EOT00-04	E0001597-2	302-0-002305-M	Muscle	Triplicate	7440-66-6	Zinc	80.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1511
EOT00-04	E0001597-3	302-0-002305-M	Muscle	Triplicate	7440-43-9	Cadmium	0.0539	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1514
EOT00-04	E0001597-3	302-0-002305-M	Muscle	Triplicate	7440-50-8	Copper	1.30	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1514
EOT00-04	E0001597-3	302-0-002305-M	Muscle	Triplicate	7439-89-6	Iron	36.00	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1514
EOT00-04	E0001597-3	302-0-002305-M	Muscle	Triplicate	7439-96-5	Manganese	0.32	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1514
EOT00-04	E0001597-3	302-0-002305-M	Muscle	Triplicate	7439-98-7	Molybdenum	0.0914	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1514
EOT00-04	E0001597-3	302-0-002305-M	Muscle	Triplicate	7439-92-1	Lead	0.0400	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1514
EOT00-04	E0001597-3	302-0-002305-M	Muscle	Triplicate	7440-66-6	Zinc	82.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1514
EOT00-04	E0001597MS	302-0-002305-M-MS	Muscle	MS	7440-43-9	Cadmium	103			%	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1517
EOT00-04	E0001598	302-0-002305-L	Liver	Triplicate	7440-43-9	Cadmium	0.30	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1520
EOT00-04	E0001598	302-0-002305-L	Liver	Triplicate	7440-50-8	Copper	18.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1520
EOT00-04	E0001598	302-0-002305-L	Liver	Triplicate	7439-89-6	Iron	280.00	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1520
EOT00-04	E0001598	302-0-002305-L	Liver	Triplicate	7439-96-5	Manganese	3.40	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1520
EOT00-04	E0001598	302-0-002305-L	Liver	Triplicate	7439-98-7	Molybdenum	1.40	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1520
EOT00-04	E0001598	302-0-002305-L	Liver	Triplicate	7439-92-1	Lead	0.246	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1520
EOT00-04	E0001598	302-0-002305-L	Liver	Triplicate	7440-66-6	Zinc	24.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1520
EOT00-04	E0001598-2	302-0-002305-L	Liver	Triplicate	7440-43-9	Cadmium	0.30	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1523
EOT00-04	E0001598-2	302-0-002305-L	Liver	Triplicate	7440-50-8	Copper	23.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1523
EOT00-04	E0001598-2	302-0-002305-L	Liver	Triplicate	7439-89-6	Iron	290.00	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1523
EOT00-04	E0001598-2	302-0-002305-L	Liver	Triplicate	7439-96-5	Manganese	3.90	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1523
EOT00-04	E0001598-2	302-0-002305-L	Liver	Triplicate	7439-98-7	Molybdenum	1.70	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1523
EOT00-04	E0001598-2	302-0-002305-L	Liver	Triplicate	7439-92-1	Lead	0.227	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1523
EOT00-04	E0001598-2	302-0-002305-L	Liver	Triplicate	7440-66-6	Zinc	27.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1523
EOT00-04	E0001598-3	302-0-002305-L	Liver	Triplicate	7440-43-9	Cadmium	0.30	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1526
EOT00-04	E0001598-3	302-0-002305-L	Liver	Triplicate	7440-50-8	Copper	20.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1526
EOT00-04	E0001598-3	302-0-002305-L	Liver	Triplicate	7439-89-6	Iron	280.00	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1526
EOT00-04	E0001598-3	302-0-002305-L	Liver	Triplicate	7439-96-5	Manganese	3.50	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1526
EOT00-04	E0001598-3	302-0-002305-L	Liver	Triplicate	7439-98-7	Molybdenum	1.60	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1526
EOT00-04	E0001598-3	302-0-002305-L	Liver	Triplicate	7439-92-1	Lead	0.352	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1526
EOT00-04	E0001598-3	302-0-002305-L	Liver	Triplicate	7440-66-6	Zinc	26.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1526
EOT00-04	E0001598MS	302-0-002305-L-MS	Liver	MS	7440-43-9	Cadmium	108			%	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1529
EOT00-04	E0001603	352-0-002177-M	Muscle	Triplicate	7440-43-9	Cadmium	0.0247	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1532
EOT00-04	E0001603	352-0-002177-M	Muscle	Triplicate	7440-50-8	Copper	1.10	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1532
EOT00-04	E0001603	352-0-002177-M	Muscle	Triplicate	7439-89-6	Iron	38.00	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1532
EOT00-04	E0001603	352-0-002177-M	Muscle	Triplicate	7439-96-5	Manganese	0.20	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1532

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
TRACE METALS BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
EOT00-04	E0001603	352-0-002177-M	Muscle	Triplicate	7439-98-7	Molybdenum	0.0714	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1532
EOT00-04	E0001603	352-0-002177-M	Muscle	Triplicate	7439-92-1	Lead	0.396	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1532
EOT00-04	E0001603	352-0-002177-M	Muscle	Triplicate	7440-66-6	Zinc	70.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1532
EOT00-04	E0001603-2	352-0-002177-M	Muscle	Triplicate	7440-43-9	Cadmium	0.0163	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1535
EOT00-04	E0001603-2	352-0-002177-M	Muscle	Triplicate	7440-50-8	Copper	1.30	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1535
EOT00-04	E0001603-2	352-0-002177-M	Muscle	Triplicate	7439-89-6	Iron	32.00	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1535
EOT00-04	E0001603-2	352-0-002177-M	Muscle	Triplicate	7439-96-5	Manganese	0.13	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1535
EOT00-04	E0001603-2	352-0-002177-M	Muscle	Triplicate	7439-98-7	Molybdenum	0.13	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1535
EOT00-04	E0001603-2	352-0-002177-M	Muscle	Triplicate	7439-92-1	Lead	0.0569	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1535
EOT00-04	E0001603-2	352-0-002177-M	Muscle	Triplicate	7440-66-6	Zinc	64.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1535
EOT00-04	E0001603-3	352-0-002177-M	Muscle	Triplicate	7440-43-9	Cadmium	0.0200	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1538
EOT00-04	E0001603-3	352-0-002177-M	Muscle	Triplicate	7440-50-8	Copper	1.40	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1538
EOT00-04	E0001603-3	352-0-002177-M	Muscle	Triplicate	7439-89-6	Iron	38.00	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1538
EOT00-04	E0001603-3	352-0-002177-M	Muscle	Triplicate	7439-96-5	Manganese	0.16	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1538
EOT00-04	E0001603-3	352-0-002177-M	Muscle	Triplicate	7439-98-7	Molybdenum	0.0622	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1538
EOT00-04	E0001603-3	352-0-002177-M	Muscle	Triplicate	7439-92-1	Lead	0.0966	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1538
EOT00-04	E0001603-3	352-0-002177-M	Muscle	Triplicate	7440-66-6	Zinc	75.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1538
EOT00-04	E0001603MS	352-0-002177-M-MS	Muscle	Triplicate	7440-43-9	Cadmium	97			%	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1541
EOT00-04	E0001603SR	House Ref. Liver	Tissue	HRL	7440-43-9	Cadmium	50.00	0.10	MDL	ug/g	Wet Wt	1	54.3	92	10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1544
EOT00-04	E0001603SR	House Ref. Liver	Tissue	HRL	7440-50-8	Copper	120.00	0.10	MDL	ug/g	Wet Wt	1	123	98	10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1544
EOT00-04	E0001603SR	House Ref. Liver	Tissue	HRL	7439-89-6	Iron	170.00	0.50	MDL	ug/g	Wet Wt	1	183	93	10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1544
EOT00-04	E0001603SR	House Ref. Liver	Tissue	HRL	7439-96-5	Manganese	11.00	0.10	MDL	ug/g	Wet Wt	1	10.1	109	10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1544
EOT00-04	E0001603SR	House Ref. Liver	Tissue	HRL	7439-98-7	Molybdenum	3.70	0.10	MDL	ug/g	Wet Wt	1	3.17	117	10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1544
EOT00-04	E0001603SR	House Ref. Liver	Tissue	HRL	7439-92-1	Lead	46.00	0.50	MDL	ug/g	Wet Wt	1	48	96	10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1544
EOT00-04	E0001603SR	House Ref. Liver	Tissue	HRL	7440-66-6	Zinc	110.00	0.10	MDL	ug/g	Wet Wt	1	120	92	10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1544
EOT00-04	E0001603B	Laboratory Blank	Lab QC	BLANK	7440-43-9	Cadmium	0.0013	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1547
EOT00-04	E0001603B	Laboratory Blank	Lab QC	BLANK	7440-50-8	Copper	0.0015	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1547
EOT00-04	E0001603B	Laboratory Blank	Lab QC	BLANK	7439-89-6	Iron	0.0104	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1547
EOT00-04	E0001603B	Laboratory Blank	Lab QC	BLANK	7439-96-5	Manganese	-0.0001	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1547
EOT00-04	E0001603B	Laboratory Blank	Lab QC	BLANK	7439-98-7	Molybdenum	0.0074	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1547
EOT00-04	E0001603B	Laboratory Blank	Lab QC	BLANK	7439-92-1	Lead	0.0215	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1547
EOT00-04	E0001603B	Laboratory Blank	Lab QC	BLANK	7440-66-6	Zinc	0.0012	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1547
EOT00-04	E0001603BS	Lab. Blank Spike	Lab QC	BS	7440-43-9	Cadmium	97			%	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1550
EOT00-04	E0001603CS	Check Standard	Lab QC	CS	7440-43-9	Cadmium	2.00	0.10	MDL	ug/g	Wet Wt	1	2	100	10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1556
EOT00-04	E0001603CS	Check Standard	Lab QC	CS	7440-50-8	Copper	2.00	0.10	MDL	ug/g	Wet Wt	1	2	100	10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1556
EOT00-04	E0001603CS	Check Standard	Lab QC	CS	7439-89-6	Iron	19.00	0.50	MDL	ug/g	Wet Wt	1	20	95	10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1556
EOT00-04	E0001603CS	Check Standard	Lab QC	CS	7439-96-5	Manganese	2.00	0.10	MDL	ug/g	Wet Wt	1	2	100	10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1556
EOT00-04	E0001603CS	Check Standard	Lab QC	CS	7439-98-7	Molybdenum	2.00	0.10	MDL	ug/g	Wet Wt	1	2	100	10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1556
EOT00-04	E0001603CS	Check Standard	Lab QC	CS	7439-92-1	Lead	2.00	0.50	MDL	ug/g	Wet Wt	1	2	100	10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1556
EOT00-04	E0001603CS	Check Standard	Lab QC	CS	7440-66-6	Zinc	2.00	0.10	MDL	ug/g	Wet Wt	1	2	100	10/31/2000	ICP - AES	HMICP_12-14-00	1214HMSMW	12/5/2000	12/14/2000	1556
EOT00-04	E0001553BS	Lab. Blank Spike	Lab QC	BS	7440-43-9	Cadmium	96			%	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1257
EOT00-04	E0001553B	Laboratory Blank	Lab QC	BLANK	7440-43-9	Cadmium	0.0026	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1301
EOT00-04	E0001553B	Laboratory Blank	Lab QC	BLANK	7440-50-8	Copper	0.0009	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1301
EOT00-04	E0001553B	Laboratory Blank	Lab QC	BLANK	7439-89-6	Iron	0.0100	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1301
EOT00-04	E0001553B	Laboratory Blank	Lab QC	BLANK	7439-96-5	Manganese	0.0035	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1301
EOT00-04	E0001553B	Laboratory Blank	Lab QC	BLANK	7439-98-7	Molybdenum	0.0071	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1301
EOT00-04	E0001553B	Laboratory Blank	Lab QC	BLANK	7439-92-1	Lead	0.0070	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1301
EOT00-04	E0001553B	Laboratory Blank	Lab QC	BLANK	7440-66-6	Zinc	0.0028	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1301
EOT00-04	E0001553S1	TORT-2	Tissue	SRM	7440-43-9	Cadmium	27.00	0.10	MDL	ug/g	Wet Wt	1	26.7	101	10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1304
EOT00-04	E0001553S1	TORT-2	Tissue	SRM	7440-50-8	Copper	100.00	0.10	MDL	ug/g	Wet Wt	1	106	94	10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1304
EOT00-04	E0001553S1	TORT-2	Tissue	SRM	7439-89-6	Iron	93.00	0.50	MDL	ug/g	Wet Wt	1	105	89	10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1304
EOT00-04	E0001553S1	TORT-2	Tissue	SRM	7439-96-5	Manganese	13.00	0.10	MDL	ug/g	Wet Wt	1	13.6	96	10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1304

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
TRACE METALS BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
EOT00-04	E0001553S1	TORT-2	Tissue	SRM	7439-98-7	Molybdenum	1.50	0.10	MDL	ug/g	Wet Wt	1	0.95	158	10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1304
EOT00-04	E0001553S1	TORT-2	Tissue	SRM	7440-66-6	Zinc	180.00	0.10	MDL	ug/g	Wet Wt	1	180	100	10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1304
EOT00-04	E0001553SR	House Ref. Liver	Tissue	HRL	7440-43-9	Cadmium	48.00	0.10	MDL	ug/g	Wet Wt	1	54.3	88	10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1307
EOT00-04	E0001553SR	House Ref. Liver	Tissue	HRL	7440-50-8	Copper	120.00	0.10	MDL	ug/g	Wet Wt	1	123	98	10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1307
EOT00-04	E0001553SR	House Ref. Liver	Tissue	HRL	7439-89-6	Iron	170.00	0.50	MDL	ug/g	Wet Wt	1	183	93	10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1307
EOT00-04	E0001553SR	House Ref. Liver	Tissue	HRL	7439-96-5	Manganese	10.00	0.10	MDL	ug/g	Wet Wt	1	10.1	99	10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1307
EOT00-04	E0001553SR	House Ref. Liver	Tissue	HRL	7439-98-7	Molybdenum	3.20	0.10	MDL	ug/g	Wet Wt	1	3.17	101	10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1307
EOT00-04	E0001553SR	House Ref. Liver	Tissue	HRL	7439-92-1	Lead	44.00	0.50	MDL	ug/g	Wet Wt	1	48	92	10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1307
EOT00-04	E0001553SR	House Ref. Liver	Tissue	HRL	7440-66-6	Zinc	120.00	0.10	MDL	ug/g	Wet Wt	1	120	100	10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1307
EOT00-04	E0001553	302-0-011848-M	Muscle	Triplicate	7440-43-9	Cadmium	0.0272	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1311
EOT00-04	E0001553	302-0-011848-M	Muscle	Triplicate	7440-50-8	Copper	0.81	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1311
EOT00-04	E0001553	302-0-011848-M	Muscle	Triplicate	7439-89-6	Iron	33.00	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1311
EOT00-04	E0001553	302-0-011848-M	Muscle	Triplicate	7439-96-5	Manganese	0.23	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1311
EOT00-04	E0001553	302-0-011848-M	Muscle	Triplicate	7439-98-7	Molybdenum	0.0240	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1311
EOT00-04	E0001553	302-0-011848-M	Muscle	Triplicate	7439-92-1	Lead	-0.0651	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1311
EOT00-04	E0001553	302-0-011848-M	Muscle	Triplicate	7440-66-6	Zinc	59.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1311
EOT00-04	E0001553-2	302-0-011848-M	Muscle	Triplicate	7440-43-9	Cadmium	0.0298	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1314
EOT00-04	E0001553-2	302-0-011848-M	Muscle	Triplicate	7440-50-8	Copper	0.90	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1314
EOT00-04	E0001553-2	302-0-011848-M	Muscle	Triplicate	7439-89-6	Iron	45.00	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1314
EOT00-04	E0001553-2	302-0-011848-M	Muscle	Triplicate	7439-96-5	Manganese	0.53	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1314
EOT00-04	E0001553-2	302-0-011848-M	Muscle	Triplicate	7439-98-7	Molybdenum	0.0722	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1314
EOT00-04	E0001553-2	302-0-011848-M	Muscle	Triplicate	7439-92-1	Lead	-0.0077	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1314
EOT00-04	E0001553-2	302-0-011848-M	Muscle	Triplicate	7440-66-6	Zinc	64.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1314
EOT00-04	E0001553-3	302-0-011848-M	Muscle	Triplicate	7440-43-9	Cadmium	0.0335	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1317
EOT00-04	E0001553-3	302-0-011848-M	Muscle	Triplicate	7440-50-8	Copper	0.81	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1317
EOT00-04	E0001553-3	302-0-011848-M	Muscle	Triplicate	7439-89-6	Iron	34.00	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1317
EOT00-04	E0001553-3	302-0-011848-M	Muscle	Triplicate	7439-96-5	Manganese	0.26	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1317
EOT00-04	E0001553-3	302-0-011848-M	Muscle	Triplicate	7439-98-7	Molybdenum	0.0801	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1317
EOT00-04	E0001553-3	302-0-011848-M	Muscle	Triplicate	7439-92-1	Lead	0.156	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1317
EOT00-04	E0001553-3	302-0-011848-M	Muscle	Triplicate	7440-66-6	Zinc	63.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1317
EOT00-04	E0001553MS	302-0-011848-M-MS	Muscle	MS	7440-43-9	Cadmium	103			%	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1320
EOT00-04	E0001554	302-0-011848-L	Liver	Triplicate	7440-43-9	Cadmium	0.28	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1323
EOT00-04	E0001554	302-0-011848-L	Liver	Triplicate	7440-50-8	Copper	18.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1323
EOT00-04	E0001554	302-0-011848-L	Liver	Triplicate	7439-89-6	Iron	150.00	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1323
EOT00-04	E0001554	302-0-011848-L	Liver	Triplicate	7439-96-5	Manganese	2.20	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1323
EOT00-04	E0001554	302-0-011848-L	Liver	Triplicate	7439-98-7	Molybdenum	1.10	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1323
EOT00-04	E0001554	302-0-011848-L	Liver	Triplicate	7439-92-1	Lead	0.230	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1323
EOT00-04	E0001554	302-0-011848-L	Liver	Triplicate	7440-66-6	Zinc	24.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1323
EOT00-04	E0001554-2	302-0-011848-L	Liver	Triplicate	7440-43-9	Cadmium	0.25	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1326
EOT00-04	E0001554-2	302-0-011848-L	Liver	Triplicate	7440-50-8	Copper	19.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1326
EOT00-04	E0001554-2	302-0-011848-L	Liver	Triplicate	7439-89-6	Iron	140.00	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1326
EOT00-04	E0001554-2	302-0-011848-L	Liver	Triplicate	7439-96-5	Manganese	2.10	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1326
EOT00-04	E0001554-2	302-0-011848-L	Liver	Triplicate	7439-98-7	Molybdenum	1.20	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1326
EOT00-04	E0001554-2	302-0-011848-L	Liver	Triplicate	7439-92-1	Lead	0.147	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1326
EOT00-04	E0001554-2	302-0-011848-L	Liver	Triplicate	7440-66-6	Zinc	24.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1326
EOT00-04	E0001554-3	302-0-011848-L	Liver	Triplicate	7440-43-9	Cadmium	0.26	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1329
EOT00-04	E0001554-3	302-0-011848-L	Liver	Triplicate	7440-50-8	Copper	22.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1329
EOT00-04	E0001554-3	302-0-011848-L	Liver	Triplicate	7439-89-6	Iron	150.00	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1329
EOT00-04	E0001554-3	302-0-011848-L	Liver	Triplicate	7439-96-5	Manganese	2.20	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1329
EOT00-04	E0001554-3	302-0-011848-L	Liver	Triplicate	7439-98-7	Molybdenum	1.30	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1329
EOT00-04	E0001554-3	302-0-011848-L	Liver	Triplicate	7439-92-1	Lead	0.250	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1329
EOT00-04	E0001554-3	302-0-011848-L	Liver	Triplicate	7440-66-6	Zinc	26.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1329

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
TRACE METALS BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
EOT00-04	E0001554MS	302-0-011848-L-MS	Muscle	MS	7440-43-9	Cadmium	105			%	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1332
EOT00-04	E0001555	302-0-006362-M	Muscle	Primary	7440-43-9	Cadmium	0.0426	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1335
EOT00-04	E0001555	302-0-006362-M	Muscle	Primary	7440-50-8	Copper	1.60	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1335
EOT00-04	E0001555	302-0-006362-M	Muscle	Primary	7439-89-6	Iron	43.00	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1335
EOT00-04	E0001555	302-0-006362-M	Muscle	Primary	7439-96-5	Manganese	0.18	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1335
EOT00-04	E0001555	302-0-006362-M	Muscle	Primary	7439-98-7	Molybdenum	0.0322	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1335
EOT00-04	E0001555	302-0-006362-M	Muscle	Primary	7439-92-1	Lead	0.101	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1335
EOT00-04	E0001555	302-0-006362-M	Muscle	Primary	7440-66-6	Zinc	70.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1335
EOT00-04	E0001555D	302-0-006362-M	Muscle	Lab Duplicate	7440-43-9	Cadmium	0.0388	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1338
EOT00-04	E0001555D	302-0-006362-M	Muscle	Lab Duplicate	7440-50-8	Copper	1.50	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1338
EOT00-04	E0001555D	302-0-006362-M	Muscle	Lab Duplicate	7439-89-6	Iron	41.00	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1338
EOT00-04	E0001555D	302-0-006362-M	Muscle	Lab Duplicate	7439-96-5	Manganese	0.24	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1338
EOT00-04	E0001555D	302-0-006362-M	Muscle	Lab Duplicate	7439-98-7	Molybdenum	0.0899	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1338
EOT00-04	E0001555D	302-0-006362-M	Muscle	Lab Duplicate	7439-92-1	Lead	0.275	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP_ AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1338
EOT00-04	E0001555D	302-0-006362-M	Muscle	Lab Duplicate	7440-66-6	Zinc	75.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1338
EOT00-04	E0001555SR	House Ref. Liver	Tissue	HRL	7440-43-9	Cadmium	56.00	0.10	MDL	ug/g	Wet Wt	1	54.3	103	10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1341
EOT00-04	E0001555SR	House Ref. Liver	Tissue	HRL	7440-50-8	Copper	130.00	0.10	MDL	ug/g	Wet Wt	1	123	106	10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1341
EOT00-04	E0001555SR	House Ref. Liver	Tissue	HRL	7439-89-6	Iron	190.00	0.50	MDL	ug/g	Wet Wt	1	183	104	10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1341
EOT00-04	E0001555SR	House Ref. Liver	Tissue	HRL	7439-96-5	Manganese	12.00	0.10	MDL	ug/g	Wet Wt	1	10.1	119	10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1341
EOT00-04	E0001555SR	House Ref. Liver	Tissue	HRL	7439-98-7	Molybdenum	3.60	0.10	MDL	ug/g	Wet Wt	1	3.17	114	10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1341
EOT00-04	E0001555SR	House Ref. Liver	Tissue	HRL	7439-92-1	Lead	51.00	0.50	MDL	ug/g	Wet Wt	1	48	106	10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1341
EOT00-04	E0001555SR	House Ref. Liver	Tissue	HRL	7440-66-6	Zinc	110.00	0.10	MDL	ug/g	Wet Wt	1	120	92	10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1341
EOT00-04	E0001555BS	Lab. Blank Spike	Lab QC	BS	7440-43-9	Cadmium	98			%	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1344
EOT00-04	E0001555B	Laboratory Blank	Lab QC	BLANK	7440-43-9	Cadmium	0.0030	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1347
EOT00-04	E0001555B	Laboratory Blank	Lab QC	BLANK	7440-50-8	Copper	0.0034	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1347
EOT00-04	E0001555B	Laboratory Blank	Lab QC	BLANK	7439-89-6	Iron	0.0122	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1347
EOT00-04	E0001555B	Laboratory Blank	Lab QC	BLANK	7439-96-5	Manganese	0.0032	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1347
EOT00-04	E0001555B	Laboratory Blank	Lab QC	BLANK	7439-98-7	Molybdenum	0.0048	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1347
EOT00-04	E0001555B	Laboratory Blank	Lab QC	BLANK	7439-92-1	Lead	0.0072	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP_- AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1347
EOT00-04	E0001555B	Laboratory Blank	Lab QC	BLANK	7440-66-6	Zinc	0.0005	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1347
EOT00-04	E0001555CS	Check Standard	Lab QC	CS	7440-43-9	Cadmium	2.00	0.10	MDL	ug/g	Wet Wt	1	2	100	10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1350
EOT00-04	E0001555CS	Check Standard	Lab QC	CS	7440-50-8	Copper	2.00	0.10	MDL	ug/g	Wet Wt	1	2	100	10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1350
EOT00-04	E0001555CS	Check Standard	Lab QC	CS	7439-89-6	Iron	20.00	0.50	MDL	ug/g	Wet Wt	1	20	100	10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1350
EOT00-04	E0001555CS	Check Standard	Lab QC	CS	7439-96-5	Manganese	2.00	0.10	MDL	ug/g	Wet Wt	1	2	100	10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1350
EOT00-04	E0001555CS	Check Standard	Lab QC	CS	7439-98-7	Molybdenum	2.00	0.10	MDL	ug/g	Wet Wt	1	2	100	10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1350
EOT00-04	E0001555CS	Check Standard	Lab QC	CS	7439-92-1	Lead	2.10	0.50	MDL	ug/g	Wet Wt	1	2	105	10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1350
EOT00-04	E0001555CS	Check Standard	Lab QC	CS	7440-66-6	Zinc	2.00	0.10	MDL	ug/g	Wet Wt	1	2	100	10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1350
EOT00-04	E0001556	302-0-006362-L	Liver	Primary	7440-43-9	Cadmium	0.42	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1357
EOT00-04	E0001556	302-0-006362-L	Liver	Primary	7440-50-8	Copper	37.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1357
EOT00-04	E0001556	302-0-006362-L	Liver	Primary	7439-89-6	Iron	99.00	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1357
EOT00-04	E0001556	302-0-006362-L	Liver	Primary	7439-96-5	Manganese	3.20	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1357
EOT00-04	E0001556	302-0-006362-L	Liver	Primary	7439-98-7	Molybdenum	1.40	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1357
EOT00-04	E0001556	302-0-006362-L	Liver	Primary	7439-92-1	Lead	-1.09	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1357
EOT00-04	E0001556	302-0-006362-L	Liver	Primary	7440-66-6	Zinc	22.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1357
EOT00-04	E0001571	302-0-005201-M	Muscle	Primary	7440-43-9	Cadmium	0.0427	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1400
EOT00-04	E0001571	302-0-005201-M	Muscle	Primary	7440-50-8	Copper	1.40	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1400
EOT00-04	E0001571	302-0-005201-M	Muscle	Primary	7439-89-6	Iron	34.00	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1400
EOT00-04	E0001571	302-0-005201-M	Muscle	Primary	7439-96-5	Manganese	0.14	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1400
EOT00-04	E0001571	302-0-005201-M	Muscle	Primary	7439-98-7	Molybdenum	0.11	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1400
EOT00-04	E0001571	302-0-005201-M	Muscle	Primary	7439-92-1	Lead	0.254	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1400
EOT00-04	E0001571	302-0-005201-M	Muscle	Primary	7440-66-6	Zinc	59.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1400
EOT00-04	E0001572	302-0-005201-L	Liver	Primary	7440-43-9	Cadmium	0.20	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1403

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
TRACE METALS BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
EOT00-04	E0001572	302-0-005201-L	Liver	Primary	7440-50-8	Copper	50.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1403
EOT00-04	E0001572	302-0-005201-L	Liver	Primary	7439-89-6	Iron	180.00	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1403
EOT00-04	E0001572	302-0-005201-L	Liver	Primary	7439-96-5	Manganese	2.80	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1403
EOT00-04	E0001572	302-0-005201-L	Liver	Primary	7439-98-7	Molybdenum	1.40	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1403
EOT00-04	E0001572	302-0-005201-L	Liver	Primary	7439-92-1	Lead	0.179	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1403
EOT00-04	E0001572	302-0-005201-L	Liver	Primary	7440-66-6	Zinc	28.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1403
EOT00-04	E0001573	302-0-012071-M	Muscle	Primary	7440-43-9	Cadmium	0.0713	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1406
EOT00-04	E0001573	302-0-012071-M	Muscle	Primary	7440-50-8	Copper	1.20	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1406
EOT00-04	E0001573	302-0-012071-M	Muscle	Primary	7439-89-6	Iron	99.00	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1406
EOT00-04	E0001573	302-0-012071-M	Muscle	Primary	7439-96-5	Manganese	1.90	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1406
EOT00-04	E0001573	302-0-012071-M	Muscle	Primary	7439-98-7	Molybdenum	0.0021	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1406
EOT00-04	E0001573	302-0-012071-M	Muscle	Primary	7439-92-1	Lead	0.0474	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1406
EOT00-04	E0001573	302-0-012071-M	Muscle	Primary	7440-66-6	Zinc	96.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1406
EOT00-04	E0001574	302-0-012071-L	Liver	Primary	7440-43-9	Cadmium	0.42	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1411
EOT00-04	E0001574	302-0-012071-L	Liver	Primary	7440-50-8	Copper	19.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1411
EOT00-04	E0001574	302-0-012071-L	Liver	Primary	7439-89-6	Iron	250.00	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1411
EOT00-04	E0001574	302-0-012071-L	Liver	Primary	7439-96-5	Manganese	3.40	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1411
EOT00-04	E0001574	302-0-012071-L	Liver	Primary	7439-98-7	Molybdenum	1.50	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1411
EOT00-04	E0001574	302-0-012071-L	Liver	Primary	7439-92-1	Lead	-0.114	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1411
EOT00-04	E0001574	302-0-012071-L	Liver	Primary	7440-66-6	Zinc	26.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1411
EOT00-04	E0001575	352-0-002103-M	Muscle	Primary	7440-43-9	Cadmium	0.0344	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1414
EOT00-04	E0001575	352-0-002103-M	Muscle	Primary	7440-50-8	Copper	1.60	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1414
EOT00-04	E0001575	352-0-002103-M	Muscle	Primary	7439-89-6	Iron	29.00	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1414
EOT00-04	E0001575	352-0-002103-M	Muscle	Primary	7439-96-5	Manganese	0.18	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1414
EOT00-04	E0001575	352-0-002103-M	Muscle	Primary	7439-98-7	Molybdenum	0.0412	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1414
EOT00-04	E0001575	352-0-002103-M	Muscle	Primary	7439-92-1	Lead	0.0313	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1414
EOT00-04	E0001575	352-0-002103-M	Muscle	Primary	7440-66-6	Zinc	47.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1414
EOT00-04	E0001576	352-0-002103-L	Liver	Primary	7440-43-9	Cadmium	0.18	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1417
EOT00-04	E0001576	352-0-002103-L	Liver	Primary	7440-50-8	Copper	41.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1417
EOT00-04	E0001576	352-0-002103-L	Liver	Primary	7439-89-6	Iron	190.00	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1417
EOT00-04	E0001576	352-0-002103-L	Liver	Primary	7439-96-5	Manganese	1.40	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1417
EOT00-04	E0001576	352-0-002103-L	Liver	Primary	7439-98-7	Molybdenum	1.10	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1417
EOT00-04	E0001576	352-0-002103-L	Liver	Primary	7439-92-1	Lead	0.0174	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1417
EOT00-04	E0001576	352-0-002103-L	Liver	Primary	7440-66-6	Zinc	17.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1417
EOT00-04	E0001581	352-0-002194-M	Muscle	Primary	7440-43-9	Cadmium	0.0274	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1420
EOT00-04	E0001581	352-0-002194-M	Muscle	Primary	7440-50-8	Copper	0.62	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1420
EOT00-04	E0001581	352-0-002194-M	Muscle	Primary	7439-89-6	Iron	16.00	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1420
EOT00-04	E0001581	352-0-002194-M	Muscle	Primary	7439-96-5	Manganese	0.11	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1420
EOT00-04	E0001581	352-0-002194-M	Muscle	Primary	7439-98-7	Molybdenum	-0.0461	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1420
EOT00-04	E0001581	352-0-002194-M	Muscle	Primary	7439-92-1	Lead	0.150	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1420
EOT00-04	E0001581	352-0-002194-M	Muscle	Primary	7440-66-6	Zinc	52.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1420
EOT00-04	E0001582	352-0-002194-L	Liver	Primary	7440-43-9	Cadmium	0.13	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1423
EOT00-04	E0001582	352-0-002194-L	Liver	Primary	7440-50-8	Copper	22.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1423
EOT00-04	E0001582	352-0-002194-L	Liver	Primary	7439-89-6	Iron	160.00	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1423
EOT00-04	E0001582	352-0-002194-L	Liver	Primary	7439-96-5	Manganese	3.60	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1423
EOT00-04	E0001582	352-0-002194-L	Liver	Primary	7439-98-7	Molybdenum	0.80	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1423
EOT00-04	E0001582	352-0-002194-L	Liver	Primary	7439-92-1	Lead	-0.0345	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1423
EOT00-04	E0001582	352-0-002194-L	Liver	Primary	7440-66-6	Zinc	37.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1423
EOT00-04	E0001582D	352-0-002194-L	Liver	Lab Duplicate	7440-43-9	Cadmium	0.13	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1429
EOT00-04	E0001582D	352-0-002194-L	Liver	Lab Duplicate	7440-50-8	Copper	22.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1429
EOT00-04	E0001582D	352-0-002194-L	Liver	Lab Duplicate	7439-89-6	Iron	170.00	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1429
EOT00-04	E0001582D	352-0-002194-L	Liver	Lab Duplicate	7439-96-5	Manganese	3.90	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1429

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
TRACE METALS BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
EOT00-04	E0001582D	352-0-002194-L	Liver	Lab Duplicate	7439-98-7	Molybdenum	0.93	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1429
EOT00-04	E0001582D	352-0-002194-L	Liver	Lab Duplicate	7439-92-1	Lead	0.0177	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1429
EOT00-04	E0001582D	352-0-002194-L	Liver	Lab Duplicate	7440-66-6	Zinc	37.00	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1429
EOT00-04	E0001582SR	House Ref. Liver	Tissue	HRL	7440-43-9	Cadmium	49.00	0.10	MDL	ug/g	Wet Wt	1	54.3	90	10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1432
EOT00-04	E0001582SR	House Ref. Liver	Tissue	HRL	7440-50-8	Copper	120.00	0.10	MDL	ug/g	Wet Wt	1	123	98	10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1432
EOT00-04	E0001582SR	House Ref. Liver	Tissue	HRL	7439-89-6	Iron	170.00	0.50	MDL	ug/g	Wet Wt	1	183	93	10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1432
EOT00-04	E0001582SR	House Ref. Liver	Tissue	HRL	7439-96-5	Manganese	11.00	0.10	MDL	ug/g	Wet Wt	1	10.1	109	10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1432
EOT00-04	E0001582SR	House Ref. Liver	Tissue	HRL	7439-98-7	Molybdenum	3.20	0.10	MDL	ug/g	Wet Wt	1	3.17	101	10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1432
EOT00-04	E0001582SR	House Ref. Liver	Tissue	HRL	7439-92-1	Lead	45.00	0.50	MDL	ug/g	Wet Wt	1	48	94	10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1432
EOT00-04	E0001582SR	House Ref. Liver	Tissue	HRL	7440-66-6	Zinc	110.00	0.10	MDL	ug/g	Wet Wt	1	120	92	10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1432
EOT00-04	E0001582BS	Lab. Blank Spike	Lab QC	BS	7440-43-9	Cadmium	98			%	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1435
EOT00-04	E0001582B	Laboratory Blank	Lab QC	BLANK	7440-43-9	Cadmium	0.0029	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1439
EOT00-04	E0001582B	Laboratory Blank	Lab QC	BLANK	7440-50-8	Copper	-0.0026	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1439
EOT00-04	E0001582B	Laboratory Blank	Lab QC	BLANK	7439-89-6	Iron	0.0002	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1439
EOT00-04	E0001582B	Laboratory Blank	Lab QC	BLANK	7439-96-5	Manganese	0.0033	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1439
EOT00-04	E0001582B	Laboratory Blank	Lab QC	BLANK	7439-98-7	Molybdenum	-0.0015	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1439
EOT00-04	E0001582B	Laboratory Blank	Lab QC	BLANK	7439-92-1	Lead	0.0115	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1439
EOT00-04	E0001582B	Laboratory Blank	Lab QC	BLANK	7440-66-6	Zinc	-0.0017	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1439
EOT00-04	E0001582CS	Check Standard	Lab QC	CS	7440-43-9	Cadmium	1.90	0.10	MDL	ug/g	Wet Wt	1	2	95	10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1445
EOT00-04	E0001582CS	Check Standard	Lab QC	CS	7440-50-8	Copper	2.10	0.10	MDL	ug/g	Wet Wt	1	2	105	10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1445
EOT00-04	E0001582CS	Check Standard	Lab QC	CS	7439-89-6	Iron	19.00	0.50	MDL	ug/g	Wet Wt	1	20	95	10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1445
EOT00-04	E0001582CS	Check Standard	Lab QC	CS	7439-96-5	Manganese	1.90	0.10	MDL	ug/g	Wet Wt	1	2	95	10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1445
EOT00-04	E0001582CS	Check Standard	Lab QC	CS	7439-98-7	Molybdenum	1.90	0.10	MDL	ug/g	Wet Wt	1	2	95	10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1445
EOT00-04	E0001582CS	Check Standard	Lab QC	CS	7439-92-1	Lead	2.00	0.50	MDL	ug/g	Wet Wt	1	2	100	10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1445
EOT00-04	E0001582CS	Check Standard	Lab QC	CS	7440-66-6	Zinc	2.10	0.10	MDL	ug/g	Wet Wt	1	2	105	10/31/2000	ICP - AES	HMICP_12-18-00	1218HMSMW	12/6/2000	12/18/2000	1445
ENV00-01	E0001697CS	Check Standard	Lab QC	CS	7440-43-9	Cadmium	2.00	0.10	MDL	ug/g	Wet Wt	1	2	100	11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1220
ENV00-01	E0001697CS	Check Standard	Lab QC	CS	7440-50-8	Copper	2.00	0.10	MDL	ug/g	Wet Wt	1	2	100	11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1447
ENV00-01	E0001697CS	Check Standard	Lab QC	CS	7439-89-6	Iron	20.00	0.50	MDL	ug/g	Wet Wt	1	20	100	11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1447
ENV00-01	E0001697CS	Check Standard	Lab QC	CS	7439-96-5	Manganese	2.00	0.10	MDL	ug/g	Wet Wt	1	2	100	11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1220
ENV00-01	E0001697CS	Check Standard	Lab QC	CS	7439-98-7	Molybdenum	2.00	0.10	MDL	ug/g	Wet Wt	1	2	100	11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1220
ENV00-01	E0001697CS	Check Standard	Lab QC	CS	7439-92-1	Lead	2.00	0.50	MDL	ug/g	Wet Wt	1	2	100	11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1220
ENV00-01	E0001697CS	Check Standard	Lab QC	CS	7440-66-6	Zinc	2.00	0.10	MDL	ug/g	Wet Wt	1	2	100	11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1447
ENV00-01	E0001697B	Laboratory Blank	Lab QC	BLANK	7440-43-9	Cadmium	0.0014	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1226
ENV00-01	E0001697B	Laboratory Blank	Lab QC	BLANK	7440-50-8	Copper	0.0017	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1454
ENV00-01	E0001697B	Laboratory Blank	Lab QC	BLANK	7439-89-6	Iron	0.0272	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1226
ENV00-01	E0001697B	Laboratory Blank	Lab QC	BLANK	7439-96-5	Manganese	0.0006	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1226
ENV00-01	E0001697B	Laboratory Blank	Lab QC	BLANK	7439-98-7	Molybdenum	0.0013	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1226
ENV00-01	E0001697B	Laboratory Blank	Lab QC	BLANK	7439-92-1	Lead	-0.0034	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1226
ENV00-01	E0001697B	Laboratory Blank	Lab QC	BLANK	7440-66-6	Zinc	0.0048	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1454
ENV00-01	E0001697BS	Lab. Blank Spike	Lab QC	BS	7440-43-9	Cadmium	102			%	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1230
ENV00-01	E0001697S1	TORT-2	Tissue	SRM	7440-43-9	Cadmium	28.00	0.10	MDL	ug/g	Wet Wt	1	26.7	105	11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1233
ENV00-01	E0001697S1	TORT-2	Tissue	SRM	7440-50-8	Copper	110.00	0.10	MDL	ug/g	Wet Wt	1	106	104	11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1500
ENV00-01	E0001697S1	TORT-2	Tissue	SRM	7439-89-6	Iron	98.00	0.50	MDL	ug/g	Wet Wt	1	105	93	11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1233
ENV00-01	E0001697S1	TORT-2	Tissue	SRM	7439-96-5	Manganese	13.00	0.10	MDL	ug/g	Wet Wt	1	13.6	96	11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1233
ENV00-01	E0001697S1	TORT-2	Tissue	SRM	7439-98-7	Molybdenum	1.50	0.10	MDL	ug/g	Wet Wt	1	0.95	158	11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1233
ENV00-01	E0001697S1	TORT-2	Tissue	SRM	7440-66-6	Zinc	190.00	0.10	MDL	ug/g	Wet Wt	1	180	106	11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1500
ENV00-01	E0001697SR	House Ref. Liver	Tissue	HRL	7440-43-9	Cadmium	55.00	0.10	MDL	ug/g	Wet Wt	1	54.3	101	11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1236
ENV00-01	E0001697SR	House Ref. Liver	Tissue	HRL	7440-50-8	Copper	120.00	0.10	MDL	ug/g	Wet Wt	1	123	98	11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1504
ENV00-01	E0001697SR	House Ref. Liver	Tissue	HRL	7439-89-6	Iron	170.00	0.50	MDL	ug/g	Wet Wt	1	183	93	11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1236
ENV00-01	E0001697SR	House Ref. Liver	Tissue	HRL	7439-96-5	Manganese	12.00	0.10	MDL	ug/g	Wet Wt	1	10.1	119	11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1236
ENV00-01	E0001697SR	House Ref. Liver	Tissue	HRL	7439-98-7	Molybdenum	3.50	0.10	MDL	ug/g	Wet Wt	1	3.17	110	11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1236
ENV00-01	E0001697SR	House Ref. Liver	Tissue	HRL	7439-92-1	Lead	48.00	0.50	MDL	ug/g	Wet Wt	1	48	100	11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1236

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
TRACE METALS BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV00-01	E0001697SR	House Ref. Liver	Tissue	HRL	7440-66-6	Zinc	120.00	0.10	MDL	ug/g	Wet Wt	1	120	100	11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1504
ENV00-01	E0001697	302-0-012171-M	Muscle	Primary	7440-43-9	Cadmium	0.0299	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1239
ENV00-01	E0001697	302-0-012171-M	Muscle	Primary	7440-50-8	Copper	2.00	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1239
ENV00-01	E0001697	302-0-012171-M	Muscle	Primary	7439-89-6	Iron	39.00	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1239
ENV00-01	E0001697	302-0-012171-M	Muscle	Primary	7439-96-5	Manganese	0.24	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1239
ENV00-01	E0001697	302-0-012171-M	Muscle	Primary	7439-98-7	Molybdenum	0.0229	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1239
ENV00-01	E0001697	302-0-012171-M	Muscle	Primary	7439-92-1	Lead	-0.331	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1239
ENV00-01	E0001697	302-0-012171-M	Muscle	Primary	7440-66-6	Zinc	19.00	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1239
ENV00-01	E0001698	302-0-012171-L	Liver	Primary	7440-43-9	Cadmium	0.0775	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1242
ENV00-01	E0001698	302-0-012171-L	Liver	Primary	7440-50-8	Copper	64.00	0.10	MDL	ug/g	Wet Wt	5			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1510
ENV00-01	E0001698	302-0-012171-L	Liver	Primary	7439-89-6	Iron	120.00	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1242
ENV00-01	E0001698	302-0-012171-L	Liver	Primary	7439-96-5	Manganese	3.80	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1242
ENV00-01	E0001698	302-0-012171-L	Liver	Primary	7439-98-7	Molybdenum	1.70	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1242
ENV00-01	E0001698	302-0-012171-L	Liver	Primary	7439-92-1	Lead	0.0344	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1242
ENV00-01	E0001698	302-0-012171-L	Liver	Primary	7440-66-6	Zinc	23.00	0.10	MDL	ug/g	Wet Wt	5			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1510
ENV00-01	E0001698D	302-0-012171-L	Liver	Lab Duplicate	7440-43-9	Cadmium	0.0739	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1245
ENV00-01	E0001698D	302-0-012171-L	Liver	Lab Duplicate	7440-50-8	Copper	61.00	0.10	MDL	ug/g	Wet Wt	5			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1513
ENV00-01	E0001698D	302-0-012171-L	Liver	Lab Duplicate	7439-89-6	Iron	110.00	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1245
ENV00-01	E0001698D	302-0-012171-L	Liver	Lab Duplicate	7439-96-5	Manganese	3.50	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1245
ENV00-01	E0001698D	302-0-012171-L	Liver	Lab Duplicate	7439-98-7	Molybdenum	1.70	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1245
ENV00-01	E0001698D	302-0-012171-L	Liver	Lab Duplicate	7439-92-1	Lead	-0.217	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1245
ENV00-01	E0001698D	302-0-012171-L	Liver	Lab Duplicate	7440-66-6	Zinc	22.00	0.10	MDL	ug/g	Wet Wt	5			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1513
ENV00-01	E0001713	352-0-001341-M	Muscle	Primary	7440-43-9	Cadmium	0.0325	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1248
ENV00-01	E0001713	352-0-001341-M	Muscle	Primary	7440-50-8	Copper	1.10	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1248
ENV00-01	E0001713	352-0-001341-M	Muscle	Primary	7439-89-6	Iron	240.00	0.50	MDL	ug/g	Wet Wt	5			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1516
ENV00-01	E0001713	352-0-001341-M	Muscle	Primary	7439-96-5	Manganese	6.70	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1248
ENV00-01	E0001713	352-0-001341-M	Muscle	Primary	7439-98-7	Molybdenum	0.0589	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1248
ENV00-01	E0001713	352-0-001341-M	Muscle	Primary	7439-92-1	Lead	0.471	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1248
ENV00-01	E0001713	352-0-001341-M	Muscle	Primary	7440-66-6	Zinc	91.00	0.10	MDL	ug/g	Wet Wt	5			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1516
ENV00-01	E0001714	352-0-001341-L	Liver	Primary	7440-43-9	Cadmium	0.15	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1251
ENV00-01	E0001714	352-0-001341-L	Liver	Primary	7440-50-8	Copper	59.00	0.10	MDL	ug/g	Wet Wt	5			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1519
ENV00-01	E0001714	352-0-001341-L	Liver	Primary	7439-89-6	Iron	200.00	0.50	MDL	ug/g	Wet Wt	5			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1519
ENV00-01	E0001714	352-0-001341-L	Liver	Primary	7439-96-5	Manganese	3.40	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1251
ENV00-01	E0001714	352-0-001341-L	Liver	Primary	7439-98-7	Molybdenum	1.70	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1251
ENV00-01	E0001714	352-0-001341-L	Liver	Primary	7439-92-1	Lead	-0.0173	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1251
ENV00-01	E0001714	352-0-001341-L	Liver	Primary	7440-66-6	Zinc	28.00	0.10	MDL	ug/g	Wet Wt	5			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1519
ENV00-01	E0001719	352-0-002110-M	Muscle	Primary	7440-43-9	Cadmium	0.0152	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1254
ENV00-01	E0001719	352-0-002110-M	Muscle	Primary	7440-50-8	Copper	1.50	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1254
ENV00-01	E0001719	352-0-002110-M	Muscle	Primary	7439-89-6	Iron	38.00	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1254
ENV00-01	E0001719	352-0-002110-M	Muscle	Primary	7439-96-5	Manganese	0.49	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1254
ENV00-01	E0001719	352-0-002110-M	Muscle	Primary	7439-98-7	Molybdenum	0.0295	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1254
ENV00-01	E0001719	352-0-002110-M	Muscle	Primary	7439-92-1	Lead	-0.0864	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1254
ENV00-01	E0001719	352-0-002110-M	Muscle	Primary	7440-66-6	Zinc	81.00	0.10	MDL	ug/g	Wet Wt	5			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1522
ENV00-01	E0001720	352-0-002110-L	Liver	Primary	7440-43-9	Cadmium	0.33	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1300
ENV00-01	E0001720	352-0-002110-L	Liver	Primary	7440-50-8	Copper	23.00	0.10	MDL	ug/g	Wet Wt	5			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1524
ENV00-01	E0001720	352-0-002110-L	Liver	Primary	7439-89-6	Iron	160.00	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1300
ENV00-01	E0001720	352-0-002110-L	Liver	Primary	7439-96-5	Manganese	3.80	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1300
ENV00-01	E0001720	352-0-002110-L	Liver	Primary	7439-98-7	Molybdenum	1.00	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1300
ENV00-01	E0001720	352-0-002110-L	Liver	Primary	7439-92-1	Lead	0.0561	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1300
ENV00-01	E0001720	352-0-002110-L	Liver	Primary	7440-66-6	Zinc	29.00	0.10	MDL	ug/g	Wet Wt	5			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1524
ENV00-01	E0001721	352-0-002142-M	Muscle	Primary	7440-43-9	Cadmium	0.0149	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1303
ENV00-01	E0001721	352-0-002142-M	Muscle	Primary	7440-50-8	Copper	1.80	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1303

ATTACHMENT A
MW HEDD 1999-2000 EDD FOR SOIL DATA
TRACE METALS BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV00-01	E0001721	352-0-002142-M	Muscle	Primary	7439-89-6	Iron	46.00	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1303
ENV00-01	E0001721	352-0-002142-M	Muscle	Primary	7439-96-5	Manganese	0.35	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1303
ENV00-01	E0001721	352-0-002142-M	Muscle	Primary	7439-98-7	Molybdenum	-0.0032	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1303
ENV00-01	E0001721	352-0-002142-M	Muscle	Primary	7439-92-1	Lead	0.0711	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1303
ENV00-01	E0001721	352-0-002142-M	Muscle	Primary	7440-66-6	Zinc	64.00	0.10	MDL	ug/g	Wet Wt	5			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1527
ENV00-01	E0001722	352-0-002142-L	Liver	Primary	7440-43-9	Cadmium	0.45	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1306
ENV00-01	E0001722	352-0-002142-L	Liver	Primary	7440-50-8	Copper	37.00	0.10	MDL	ug/g	Wet Wt	5			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1530
ENV00-01	E0001722	352-0-002142-L	Liver	Primary	7439-89-6	Iron	140.00	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1306
ENV00-01	E0001722	352-0-002142-L	Liver	Primary	7439-96-5	Manganese	2.80	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1306
ENV00-01	E0001722	352-0-002142-L	Liver	Primary	7439-98-7	Molybdenum	0.97	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1306
ENV00-01	E0001722	352-0-002142-L	Liver	Primary	7439-92-1	Lead	0.298	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1306
ENV00-01	E0001722	352-0-002142-L	Liver	Primary	7440-66-6	Zinc	24.00	0.10	MDL	ug/g	Wet Wt	5			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1530
ENV00-01	E0001723	352-0-002144-M	Muscle	Primary	7440-43-9	Cadmium	0.0192	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1309
ENV00-01	E0001723	352-0-002144-M	Muscle	Primary	7440-50-8	Copper	1.90	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1309
ENV00-01	E0001723	352-0-002144-M	Muscle	Primary	7439-89-6	Iron	42.00	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1309
ENV00-01	E0001723	352-0-002144-M	Muscle	Primary	7439-96-5	Manganese	0.22	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1309
ENV00-01	E0001723	352-0-002144-M	Muscle	Primary	7439-98-7	Molybdenum	0.0115	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1309
ENV00-01	E0001723	352-0-002144-M	Muscle	Primary	7439-92-1	Lead	-0.114	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1309
ENV00-01	E0001723	352-0-002144-M	Muscle	Primary	7440-66-6	Zinc	32.00	0.10	MDL	ug/g	Wet Wt	5			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1533
ENV00-01	E0001723-2	352-0-002144-M	Muscle	Primary	7440-43-9	Cadmium	0.0279	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1312
ENV00-01	E0001723-2	352-0-002144-M	Muscle	Primary	7440-50-8	Copper	2.20	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1312
ENV00-01	E0001723-2	352-0-002144-M	Muscle	Primary	7439-89-6	Iron	50.00	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1312
ENV00-01	E0001723-2	352-0-002144-M	Muscle	Primary	7439-96-5	Manganese	0.34	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1312
ENV00-01	E0001723-2	352-0-002144-M	Muscle	Primary	7439-98-7	Molybdenum	0.0689	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1312
ENV00-01	E0001723-2	352-0-002144-M	Muscle	Primary	7439-92-1	Lead	-0.0254	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1312
ENV00-01	E0001723-2	352-0-002144-M	Muscle	Primary	7440-66-6	Zinc	37.00	0.10	MDL	ug/g	Wet Wt	5			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1536
ENV00-01	E0001723-3	352-0-002144-M	Muscle	Primary	7440-43-9	Cadmium	0.0301	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1315
ENV00-01	E0001723-3	352-0-002144-M	Muscle	Primary	7440-50-8	Copper	2.00	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1315
ENV00-01	E0001723-3	352-0-002144-M	Muscle	Primary	7439-89-6	Iron	39.00	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1315
ENV00-01	E0001723-3	352-0-002144-M	Muscle	Primary	7439-96-5	Manganese	0.22	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1315
ENV00-01	E0001723-3	352-0-002144-M	Muscle	Primary	7439-98-7	Molybdenum	0.0239	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1315
ENV00-01	E0001723-3	352-0-002144-M	Muscle	Primary	7439-92-1	Lead	0.193	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1315
ENV00-01	E0001723-3	352-0-002144-M	Muscle	Primary	7440-66-6	Zinc	32.00	0.10	MDL	ug/g	Wet Wt	5			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1539
ENV00-01	E0001723MS	352-0-002144-M-MS	Muscle	Primary	7440-43-9	Cadmium	96			%	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1318
ENV00-01	E0001723CS	Check Standard	Lab QC	CS	7440-43-9	Cadmium	1.90	0.10	MDL	ug/g	Wet Wt	1	2	95	11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1321
ENV00-01	E0001723CS	Check Standard	Lab QC	CS	7440-50-8	Copper	2.10	0.10	MDL	ug/g	Wet Wt	1	2	105	11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1545
ENV00-01	E0001723CS	Check Standard	Lab QC	CS	7439-89-6	Iron	19.00	0.50	MDL	ug/g	Wet Wt	1	20	95	11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1321
ENV00-01	E0001723CS	Check Standard	Lab QC	CS	7439-96-5	Manganese	1.90	0.10	MDL	ug/g	Wet Wt	1	2	95	11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1321
ENV00-01	E0001723CS	Check Standard	Lab QC	CS	7439-98-7	Molybdenum	1.90	0.10	MDL	ug/g	Wet Wt	1	2	95	11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1321
ENV00-01	E0001723CS	Check Standard	Lab QC	CS	7439-92-1	Lead	1.90	0.50	MDL	ug/g	Wet Wt	1	2	95	11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1321
ENV00-01	E0001723CS	Check Standard	Lab QC	CS	7440-66-6	Zinc	1.90	0.10	MDL	ug/g	Wet Wt	1	2	95	11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1321
ENV00-01	E0001723SR	House Ref. Liver	Tissue	HRL	7440-43-9	Cadmium	52.00	0.10	MDL	ug/g	Wet Wt	1	54.3	96	11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1327
ENV00-01	E0001723SR	House Ref. Liver	Tissue	HRL	7440-50-8	Copper	130.00	0.10	MDL	ug/g	Wet Wt	1	123	106	11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1552
ENV00-01	E0001723SR	House Ref. Liver	Tissue	HRL	7439-89-6	Iron	170.00	0.50	MDL	ug/g	Wet Wt	1	183	93	11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1327
ENV00-01	E0001723SR	House Ref. Liver	Tissue	HRL	7439-96-5	Manganese	11.00	0.10	MDL	ug/g	Wet Wt	1	10.1	109	11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1327
ENV00-01	E0001723SR	House Ref. Liver	Tissue	HRL	7439-98-7	Molybdenum	3.50	0.10	MDL	ug/g	Wet Wt	1	3.17	110	11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1327
ENV00-01	E0001723SR	House Ref. Liver	Tissue	HRL	7439-92-1	Lead	46.00	0.50	MDL	ug/g	Wet Wt	1	48	96	11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1327
ENV00-01	E0001723SR	House Ref. Liver	Tissue	HRL	7440-66-6	Zinc	120.00	0.10	MDL	ug/g	Wet Wt	1	120	100	11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1327
ENV00-01	E0001723BS	Lab. Blank Spike	Lab QC	BS	7440-43-9	Cadmium	100			%	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1330
ENV00-01	E0001723B	Laboratory Blank	Lab QC	BLANK	7440-43-9	Cadmium	0.0021	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1334
ENV00-01	E0001723B	Laboratory Blank	Lab QC	BLANK	7440-50-8	Copper	0.0007	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1558
ENV00-01	E0001723B	Laboratory Blank	Lab QC	BLANK	7439-89-6	Iron	0.0183	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1334

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
TRACE METALS BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV00-01	E0001723B	Laboratory Blank	Lab QC	BLANK	7439-96-5	Manganese	0.0002	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1334
ENV00-01	E0001723B	Laboratory Blank	Lab QC	BLANK	7439-98-7	Molybdenum	0.0056	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1334
ENV00-01	E0001723B	Laboratory Blank	Lab QC	BLANK	7439-92-1	Lead	0.0128	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1334
ENV00-01	E0001723B	Laboratory Blank	Lab QC	BLANK	7440-66-6	Zinc	0.0025	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1334
ENV00-01	E0001724	352-0-002144-L	Liver	Triplicate	7440-43-9	Cadmium	0.38	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1337
ENV00-01	E0001724	352-0-002144-L	Liver	Triplicate	7440-50-8	Copper	56.00	0.10	MDL	ug/g	Wet Wt	5			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1605
ENV00-01	E0001724	352-0-002144-L	Liver	Triplicate	7439-89-6	Iron	170.00	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1337
ENV00-01	E0001724	352-0-002144-L	Liver	Triplicate	7439-96-5	Manganese	1.60	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1337
ENV00-01	E0001724	352-0-002144-L	Liver	Triplicate	7439-98-7	Molybdenum	0.99	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1337
ENV00-01	E0001724	352-0-002144-L	Liver	Triplicate	7439-92-1	Lead	0.363	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1337
ENV00-01	E0001724	352-0-002144-L	Liver	Triplicate	7440-66-6	Zinc	16.00	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1337
ENV00-01	E0001724-2	352-0-002144-L	Liver	Triplicate	7440-43-9	Cadmium	0.41	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1340
ENV00-01	E0001724-2	352-0-002144-L	Liver	Triplicate	7440-50-8	Copper	51.00	0.10	MDL	ug/g	Wet Wt	5			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1608
ENV00-01	E0001724-2	352-0-002144-L	Liver	Triplicate	7439-89-6	Iron	200.00	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1340
ENV00-01	E0001724-2	352-0-002144-L	Liver	Triplicate	7439-96-5	Manganese	1.40	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1340
ENV00-01	E0001724-2	352-0-002144-L	Liver	Triplicate	7439-98-7	Molybdenum	1.00	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1340
ENV00-01	E0001724-2	352-0-002144-L	Liver	Triplicate	7439-92-1	Lead	0.0488	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1340
ENV00-01	E0001724-2	352-0-002144-L	Liver	Triplicate	7440-66-6	Zinc	16.00	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1340
ENV00-01	E0001724-3	352-0-002144-L	Liver	Triplicate	7440-43-9	Cadmium	0.37	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1343
ENV00-01	E0001724-3	352-0-002144-L	Liver	Triplicate	7440-50-8	Copper	51.00	0.10	MDL	ug/g	Wet Wt	5			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1611
ENV00-01	E0001724-3	352-0-002144-L	Liver	Triplicate	7439-89-6	Iron	170.00	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1343
ENV00-01	E0001724-3	352-0-002144-L	Liver	Triplicate	7439-96-5	Manganese	1.40	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1343
ENV00-01	E0001724-3	352-0-002144-L	Liver	Triplicate	7439-98-7	Molybdenum	1.00	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1343
ENV00-01	E0001724-3	352-0-002144-L	Liver	Triplicate	7439-92-1	Lead	-0.0270	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1343
ENV00-01	E0001724-3	352-0-002144-L	Liver	Triplicate	7440-66-6	Zinc	15.00	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1343
ENV00-01	E0001724MS	352-0-002144-L-MS	Liver	Primary	7440-43-9	Cadmium	105			%	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1346
ENV00-01	E0001727	352-0-002150-M	Muscle	Primary	7440-43-9	Cadmium	0.17	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1349
ENV00-01	E0001727	352-0-002150-M	Muscle	Primary	7440-50-8	Copper	2.50	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1349
ENV00-01	E0001727	352-0-002150-M	Muscle	Primary	7439-89-6	Iron	60.00	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1349
ENV00-01	E0001727	352-0-002150-M	Muscle	Primary	7439-96-5	Manganese	5.00	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1349
ENV00-01	E0001727	352-0-002150-M	Muscle	Primary	7439-98-7	Molybdenum	-0.0277	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1349
ENV00-01	E0001727	352-0-002150-M	Muscle	Primary	7439-92-1	Lead	0.0899	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1349
ENV00-01	E0001727	352-0-002150-M	Muscle	Primary	7440-66-6	Zinc	36.00	0.10	MDL	ug/g	Wet Wt	5			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1617
ENV00-01	E0001728	352-0-002150-L	Liver	Primary	7440-43-9	Cadmium	0.46	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1354
ENV00-01	E0001728	352-0-002150-L	Liver	Primary	7440-50-8	Copper	31.00	0.10	MDL	ug/g	Wet Wt	5			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1620
ENV00-01	E0001728	352-0-002150-L	Liver	Primary	7439-89-6	Iron	250.00	0.50	MDL	ug/g	Wet Wt	5			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1620
ENV00-01	E0001728	352-0-002150-L	Liver	Primary	7439-96-5	Manganese	16.00	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1354
ENV00-01	E0001728	352-0-002150-L	Liver	Primary	7439-98-7	Molybdenum	1.70	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1354
ENV00-01	E0001728	352-0-002150-L	Liver	Primary	7439-92-1	Lead	0.0132	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1354
ENV00-01	E0001728	352-0-002150-L	Liver	Primary	7440-66-6	Zinc	28.00	0.10	MDL	ug/g	Wet Wt	5			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1620
ENV00-01	E0001728D	352-0-002150-L	Liver	Primary	7440-43-9	Cadmium	0.33	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1400
ENV00-01	E0001728D	352-0-002150-L	Liver	Primary	7440-50-8	Copper	34.00	0.10	MDL	ug/g	Wet Wt	5			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1626
ENV00-01	E0001728D	352-0-002150-L	Liver	Primary	7439-89-6	Iron	200.00	0.50	MDL	ug/g	Wet Wt	5			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1626
ENV00-01	E0001728D	352-0-002150-L	Liver	Primary	7439-96-5	Manganese	3.20	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1400
ENV00-01	E0001728D	352-0-002150-L	Liver	Primary	7439-98-7	Molybdenum	1.80	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1400
ENV00-01	E0001728D	352-0-002150-L	Liver	Primary	7439-92-1	Lead	0.194	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1400
ENV00-01	E0001728D	352-0-002150-L	Liver	Primary	7440-66-6	Zinc	30.00	0.10	MDL	ug/g	Wet Wt	5			11/1/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1626
ENV00-04	E0001771	105-0-013352-M	Muscle	Primary	7440-43-9	Cadmium	0.0189	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1403
ENV00-04	E0001771	105-0-013352-M	Muscle	Primary	7440-50-8	Copper	1.20	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1403
ENV00-04	E0001771	105-0-013352-M	Muscle	Primary	7439-89-6	Iron	86.00	0.50	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1403
ENV00-04	E0001771	105-0-013352-M	Muscle	Primary	7439-96-5	Manganese	0.17	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1403
ENV00-04	E0001771	105-0-013352-M	Muscle	Primary	7439-98-7	Molybdenum	0.0770	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1403

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
TRACE METALS BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV00-04	E0001771	105-0-013352-M	Muscle	Primary	7439-92-1	Lead	0.0110	0.50	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1403
ENV00-04	E0001771	105-0-013352-M	Muscle	Primary	7440-66-6	Zinc	46.00	0.10	MDL	ug/g	Wet Wt	5			11/7/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1629
ENV00-04	E0001772	105-0-013352-L	Liver	Primary	7440-43-9	Cadmium	0.0868	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1406
ENV00-04	E0001772	105-0-013352-L	Liver	Primary	7440-50-8	Copper	16.00	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1406
ENV00-04	E0001772	105-0-013352-L	Liver	Primary	7439-89-6	Iron	110.00	0.50	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1406
ENV00-04	E0001772	105-0-013352-L	Liver	Primary	7439-96-5	Manganese	4.40	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1406
ENV00-04	E0001772	105-0-013352-L	Liver	Primary	7439-98-7	Molybdenum	1.40	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1406
ENV00-04	E0001772	105-0-013352-L	Liver	Primary	7439-92-1	Lead	-0.0256	0.50	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1406
ENV00-04	E0001772	105-0-013352-L	Liver	Primary	7440-66-6	Zinc	21.00	0.10	MDL	ug/g	Wet Wt	5			11/7/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1632
ENV00-04	E0001772SR	House Ref. Liver	Tissue	HRL	7440-43-9	Cadmium	53.00	0.10	MDL	ug/g	Wet Wt	1	54.3	98	11/7/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1409
ENV00-04	E0001772SR	House Ref. Liver	Tissue	HRL	7440-50-8	Copper	120.00	0.10	MDL	ug/g	Wet Wt	1	123	98	11/7/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1635
ENV00-04	E0001772SR	House Ref. Liver	Tissue	HRL	7439-89-6	Iron	180.00	0.50	MDL	ug/g	Wet Wt	1	183	98	11/7/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1409
ENV00-04	E0001772SR	House Ref. Liver	Tissue	HRL	7439-96-5	Manganese	11.00	0.10	MDL	ug/g	Wet Wt	1	10.1	109	11/7/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1409
ENV00-04	E0001772SR	House Ref. Liver	Tissue	HRL	7439-98-7	Molybdenum	3.40	0.10	MDL	ug/g	Wet Wt	1	3.17	107	11/7/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1409
ENV00-04	E0001772SR	House Ref. Liver	Tissue	HRL	7439-92-1	Lead	46.00	0.50	MDL	ug/g	Wet Wt	1	48	96	11/7/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1409
ENV00-04	E0001772SR	House Ref. Liver	Tissue	HRL	7440-66-6	Zinc	110.00	0.10	MDL	ug/g	Wet Wt	1	120	92	11/7/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1635
ENV00-04	E0001772BS	Lab. Blank Spike	Lab QC	BS	7440-43-9	Cadmium	99			%	Wet Wt	1			11/7/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1412
ENV00-04	E0001772B	Laboratory Blank	Lab QC	BLANK	7440-43-9	Cadmium	0.0020	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1415
ENV00-04	E0001772B	Laboratory Blank	Lab QC	BLANK	7440-50-8	Copper	0.0	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1644
ENV00-04	E0001772B	Laboratory Blank	Lab QC	BLANK	7439-89-6	Iron	0.0152	0.50	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1415
ENV00-04	E0001772B	Laboratory Blank	Lab QC	BLANK	7439-96-5	Manganese	0.0001	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1415
ENV00-04	E0001772B	Laboratory Blank	Lab QC	BLANK	7439-98-7	Molybdenum	0.0035	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1415
ENV00-04	E0001772B	Laboratory Blank	Lab QC	BLANK	7439-92-1	Lead	-0.0314	0.50	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1415
ENV00-04	E0001772B	Laboratory Blank	Lab QC	BLANK	7440-66-6	Zinc	0.0	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_12-20-00	1228HMSMW	12/20/2000	12/28/2000	1644
ENV00-04	E0001775B	Laboratory Blank	Lab QC	BLANK	7440-43-9	Cadmium	0.0003	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1206
ENV00-04	E0001775B	Laboratory Blank	Lab QC	BLANK	7440-50-8	Copper	-0.0009	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1457
ENV00-04	E0001775B	Laboratory Blank	Lab QC	BLANK	7439-89-6	Iron	0.0022	0.50	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1457
ENV00-04	E0001775B	Laboratory Blank	Lab QC	BLANK	7439-96-5	Manganese	0.0012	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1206
ENV00-04	E0001775B	Laboratory Blank	Lab QC	BLANK	7439-98-7	Molybdenum	0.0003	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1206
ENV00-04	E0001775B	Laboratory Blank	Lab QC	BLANK	7439-92-1	Lead	-0.0279	0.50	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1206
ENV00-04	E0001775B	Laboratory Blank	Lab QC	BLANK	7440-66-6	Zinc	0.0010	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1457
ENV00-04	E0001775BS	Lab. Blank Spike	Lab QC	BS	7440-43-9	Cadmium	98			%	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1209
ENV00-04	E0001775SR	House Ref. Liver	Tissue	HRL	7440-43-9	Cadmium	48.00	0.10	MDL	ug/g	Wet Wt	1	54.3	88	11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1212
ENV00-04	E0001775SR	House Ref. Liver	Tissue	HRL	7440-50-8	Copper	120.00	0.10	MDL	ug/g	Wet Wt	1	123	98	11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1503
ENV00-04	E0001775SR	House Ref. Liver	Tissue	HRL	7439-89-6	Iron	160.00	0.50	MDL	ug/g	Wet Wt	1	183	87	11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1503
ENV00-04	E0001775SR	House Ref. Liver	Tissue	HRL	7439-96-5	Manganese	10.00	0.10	MDL	ug/g	Wet Wt	1	10.1	99	11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1212
ENV00-04	E0001775SR	House Ref. Liver	Tissue	HRL	7439-98-7	Molybdenum	2.90	0.10	MDL	ug/g	Wet Wt	1	3.17	91	11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1212
ENV00-04	E0001775SR	House Ref. Liver	Tissue	HRL	7439-92-1	Lead	43.00	0.50	MDL	ug/g	Wet Wt	1	48	90	11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1212
ENV00-04	E0001775SR	House Ref. Liver	Tissue	HRL	7440-66-6	Zinc	110.00	0.10	MDL	ug/g	Wet Wt	1	120	92	11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1503
ENV00-04	E0001775S1	TORT-2	Tissue	SRM	7440-43-9	Cadmium	26.00	0.10	MDL	ug/g	Wet Wt	1	26.7	97	11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1215
ENV00-04	E0001775S1	TORT-2	Tissue	SRM	7440-50-8	Copper	100.00	0.10	MDL	ug/g	Wet Wt	1	106	94	11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1506
ENV00-04	E0001775S1	TORT-2	Tissue	SRM	7439-89-6	Iron	94.00	0.50	MDL	ug/g	Wet Wt	1	105	90	11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1506
ENV00-04	E0001775S1	TORT-2	Tissue	SRM	7439-96-5	Manganese	12.00	0.10	MDL	ug/g	Wet Wt	1	13.6	88	11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1215
ENV00-04	E0001775S1	TORT-2	Tissue	SRM	7439-98-7	Molybdenum	1.10	0.10	MDL	ug/g	Wet Wt	1	0.95	116	11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1215
ENV00-04	E0001775S1	TORT-2	Tissue	SRM	7440-66-6	Zinc	180.00	0.10	MDL	ug/g	Wet Wt	1	180	100	11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1506
ENV00-04	E0001775	402-0-001023-M	Muscle	Triplicate	7440-43-9	Cadmium	-0.0011	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1218
ENV00-04	E0001775	402-0-001023-M	Muscle	Triplicate	7440-50-8	Copper	0.77	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1218
ENV00-04	E0001775	402-0-001023-M	Muscle	Triplicate	7439-89-6	Iron	26.00	0.50	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1218
ENV00-04	E0001775	402-0-001023-M	Muscle	Triplicate	7439-96-5	Manganese	0.0889	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1218
ENV00-04	E0001775	402-0-001023-M	Muscle	Triplicate	7439-98-7	Molybdenum	0.0039	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1218
ENV00-04	E0001775	402-0-001023-M	Muscle	Triplicate	7439-92-1	Lead	-0.120	0.50	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1218
ENV00-04	E0001775	402-0-001023-M	Muscle	Triplicate	7440-66-6	Zinc	81.00	0.10	MDL	ug/g	Wet Wt	10			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1509

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
TRACE METALS BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV00-04	E0001775-2	402-0-001023-M	Muscle	Triplicate	7440-43-9	Cadmium	0.0078	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1221
ENV00-04	E0001775-2	402-0-001023-M	Muscle	Triplicate	7440-50-8	Copper	0.87	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1221
ENV00-04	E0001775-2	402-0-001023-M	Muscle	Triplicate	7439-89-6	Iron	26.00	0.50	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1221
ENV00-04	E0001775-2	402-0-001023-M	Muscle	Triplicate	7439-96-5	Manganese	0.0901	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1221
ENV00-04	E0001775-2	402-0-001023-M	Muscle	Triplicate	7439-98-7	Molybdenum	-0.0518	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1221
ENV00-04	E0001775-2	402-0-001023-M	Muscle	Triplicate	7439-92-1	Lead	-0.144	0.50	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1221
ENV00-04	E0001775-2	402-0-001023-M	Muscle	Triplicate	7440-66-6	Zinc	83.00	0.10	MDL	ug/g	Wet Wt	10			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1512
ENV00-04	E0001775-3	402-0-001023-M	Muscle	Triplicate	7440-43-9	Cadmium	0.0072	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1224
ENV00-04	E0001775-3	402-0-001023-M	Muscle	Triplicate	7440-50-8	Copper	0.81	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1224
ENV00-04	E0001775-3	402-0-001023-M	Muscle	Triplicate	7439-89-6	Iron	25.00	0.50	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1224
ENV00-04	E0001775-3	402-0-001023-M	Muscle	Triplicate	7439-96-5	Manganese	0.0800	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1224
ENV00-04	E0001775-3	402-0-001023-M	Muscle	Triplicate	7439-98-7	Molybdenum	0.0380	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1224
ENV00-04	E0001775-3	402-0-001023-M	Muscle	Triplicate	7439-92-1	Lead	-0.156	0.50	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1224
ENV00-04	E0001775-3	402-0-001023-M	Muscle	Triplicate	7440-66-6	Zinc	78.00	0.10	MDL	ug/g	Wet Wt	10			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1515
ENV00-04	E0001775MS	402-0-001023-M-MS	Muscle	MS	7440-43-9	Cadmium	98			%	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1227
ENV00-04	E0001776	402-0-001023-L	Liver	Triplicate	7440-43-9	Cadmium	0.35	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1230
ENV00-04	E0001776	402-0-001023-L	Liver	Triplicate	7440-50-8	Copper	22.00	0.10	MDL	ug/g	Wet Wt	10			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1521
ENV00-04	E0001776	402-0-001023-L	Liver	Triplicate	7439-89-6	Iron	240.00	0.50	MDL	ug/g	Wet Wt	10			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1521
ENV00-04	E0001776	402-0-001023-L	Liver	Triplicate	7439-96-5	Manganese	1.80	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1230
ENV00-04	E0001776	402-0-001023-L	Liver	Triplicate	7439-98-7	Molybdenum	1.20	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1230
ENV00-04	E0001776	402-0-001023-L	Liver	Triplicate	7439-92-1	Lead	-0.0853	0.50	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1230
ENV00-04	E0001776	402-0-001023-L	Liver	Triplicate	7440-66-6	Zinc	22.00	0.10	MDL	ug/g	Wet Wt	10			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1521
ENV00-04	E0001776-2	402-0-001023-L	Liver	Triplicate	7440-43-9	Cadmium	0.29	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1233
ENV00-04	E0001776-2	402-0-001023-L	Liver	Triplicate	7440-50-8	Copper	20.00	0.10	MDL	ug/g	Wet Wt	10			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1524
ENV00-04	E0001776-2	402-0-001023-L	Liver	Triplicate	7439-89-6	Iron	210.00	0.50	MDL	ug/g	Wet Wt	10			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1524
ENV00-04	E0001776-2	402-0-001023-L	Liver	Triplicate	7439-96-5	Manganese	1.70	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1233
ENV00-04	E0001776-2	402-0-001023-L	Liver	Triplicate	7439-98-7	Molybdenum	1.20	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1233
ENV00-04	E0001776-2	402-0-001023-L	Liver	Triplicate	7439-92-1	Lead	-0.0188	0.50	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1233
ENV00-04	E0001776-2	402-0-001023-L	Liver	Triplicate	7440-66-6	Zinc	21.00	0.10	MDL	ug/g	Wet Wt	10			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1524
ENV00-04	E0001776-3	402-0-001023-L	Liver	Triplicate	7440-43-9	Cadmium	0.35	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1236
ENV00-04	E0001776-3	402-0-001023-L	Liver	Triplicate	7440-50-8	Copper	16.00	0.10	MDL	ug/g	Wet Wt	10			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1527
ENV00-04	E0001776-3	402-0-001023-L	Liver	Triplicate	7439-89-6	Iron	240.00	0.50	MDL	ug/g	Wet Wt	10			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1527
ENV00-04	E0001776-3	402-0-001023-L	Liver	Triplicate	7439-96-5	Manganese	1.60	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1236
ENV00-04	E0001776-3	402-0-001023-L	Liver	Triplicate	7439-98-7	Molybdenum	1.20	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1236
ENV00-04	E0001776-3	402-0-001023-L	Liver	Triplicate	7439-92-1	Lead	-0.0434	0.50	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1236
ENV00-04	E0001776-3	402-0-001023-L	Liver	Triplicate	7440-66-6	Zinc	21.00	0.10	MDL	ug/g	Wet Wt	10			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1527
ENV00-04	E0001776MS	402-0-001023-L-MS	Liver	MS	7440-43-9	Cadmium	92			%	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1239
ENV00-04	E0001781	302-0-011386-M	Muscle	Primary	7440-43-9	Cadmium	0.0120	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1242
ENV00-04	E0001781	302-0-011386-M	Muscle	Primary	7440-50-8	Copper	1.40	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1242
ENV00-04	E0001781	302-0-011386-M	Muscle	Primary	7439-89-6	Iron	40.00	0.50	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1242
ENV00-04	E0001781	302-0-011386-M	Muscle	Primary	7439-96-5	Manganese	0.10	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1242
ENV00-04	E0001781	302-0-011386-M	Muscle	Primary	7439-98-7	Molybdenum	0.0126	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1242
ENV00-04	E0001781	302-0-011386-M	Muscle	Primary	7439-92-1	Lead	-0.121	0.50	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1242
ENV00-04	E0001781	302-0-011386-M	Muscle	Primary	7440-66-6	Zinc	58.00	0.10	MDL	ug/g	Wet Wt	10			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1533
ENV00-04	E0001781D	302-0-011386-M	Muscle	Lab Duplicate	7440-43-9	Cadmium	0.00108	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1245
ENV00-04	E0001781D	302-0-011386-M	Muscle	Lab Duplicate	7440-50-8	Copper	1.40	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1245
ENV00-04	E0001781D	302-0-011386-M	Muscle	Lab Duplicate	7439-89-6	Iron	37.00	0.50	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1245
ENV00-04	E0001781D	302-0-011386-M	Muscle	Lab Duplicate	7439-96-5	Manganese	0.10	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1245
ENV00-04	E0001781D	302-0-011386-M	Muscle	Lab Duplicate	7439-98-7	Molybdenum	0.0140	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1245
ENV00-04	E0001781D	302-0-011386-M	Muscle	Lab Duplicate	7439-92-1	Lead	-0.0394	0.50	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1245
ENV00-04	E0001781D	302-0-011386-M	Muscle	Lab Duplicate	7440-66-6	Zinc	60.00	0.10	MDL	ug/g	Wet Wt	10			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1536
ENV00-04	E0001781SR	House Ref. Liver	Tissue	HRL	7440-43-9	Cadmium	48.00	0.10	MDL	ug/g	Wet Wt	1	54.3	88	11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1248

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
TRACE METALS BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV00-04	E0001781SR	House Ref. Liver	Tissue	HRL	7440-50-8	Copper	110.00	0.10	MDL	ug/g	Wet Wt	1	123	89	11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1539
ENV00-04	E0001781SR	House Ref. Liver	Tissue	HRL	7439-89-6	Iron	150.00	0.50	MDL	ug/g	Wet Wt	1	183	82	11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1539
ENV00-04	E0001781SR	House Ref. Liver	Tissue	HRL	7439-96-5	Manganese	10.00	0.10	MDL	ug/g	Wet Wt	1	10.1	99	11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1248
ENV00-04	E0001781SR	House Ref. Liver	Tissue	HRL	7439-98-7	Molybdenum	3.00	0.10	MDL	ug/g	Wet Wt	1	3.17	95	11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1248
ENV00-04	E0001781SR	House Ref. Liver	Tissue	HRL	7439-92-1	Lead	44.00	0.50	MDL	ug/g	Wet Wt	1	48	92	11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1248
ENV00-04	E0001781SR	House Ref. Liver	Tissue	HRL	7440-66-6	Zinc	100.00	0.10	MDL	ug/g	Wet Wt	1	120	83	11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1539
ENV00-04	E0001781B	Laboratory Blank	Lab QC	BLANK	7440-43-9	Cadmium	0.0007	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1251
ENV00-04	E0001781B	Laboratory Blank	Lab QC	BLANK	7440-50-8	Copper	-0.0005	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1542
ENV00-04	E0001781B	Laboratory Blank	Lab QC	BLANK	7439-89-6	Iron	0.0004	0.50	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1542
ENV00-04	E0001781B	Laboratory Blank	Lab QC	BLANK	7439-96-5	Manganese	0.0007	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1251
ENV00-04	E0001781B	Laboratory Blank	Lab QC	BLANK	7439-98-7	Molybdenum	-0.0025	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1251
ENV00-04	E0001781B	Laboratory Blank	Lab QC	BLANK	7439-92-1	Lead	0.0081	0.50	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1251
ENV00-04	E0001781B	Laboratory Blank	Lab QC	BLANK	7440-66-6	Zinc	0.0036	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1542
ENV00-04	E0001781BS	Lab. Blank Spike	Lab QC	BS	7440-43-9	Cadmium	89			%	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1255
ENV00-04	E0001782	302-0-011386-L	Liver	Primary	7440-43-9	Cadmium	0.14	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1258
ENV00-04	E0001782	302-0-011386-L	Liver	Primary	7440-50-8	Copper	48.00	0.10	MDL	ug/g	Wet Wt	10			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1555
ENV00-04	E0001782	302-0-011386-L	Liver	Primary	7439-89-6	Iron	120.00	0.50	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1258
ENV00-04	E0001782	302-0-011386-L	Liver	Primary	7439-96-5	Manganese	2.20	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1258
ENV00-04	E0001782	302-0-011386-L	Liver	Primary	7439-98-7	Molybdenum	1.10	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1258
ENV00-04	E0001782	302-0-011386-L	Liver	Primary	7439-92-1	Lead	-0.0657	0.50	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1258
ENV00-04	E0001782	302-0-011386-L	Liver	Primary	7440-66-6	Zinc	20.00	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1258
ENV00-04	E0001787	302-0-012005-M	Muscle	Primary	7440-43-9	Cadmium	0.0102	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1301
ENV00-04	E0001787	302-0-012005-M	Muscle	Primary	7440-50-8	Copper	1.60	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1301
ENV00-04	E0001787	302-0-012005-M	Muscle	Primary	7439-89-6	Iron	34.00	0.50	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1301
ENV00-04	E0001787	302-0-012005-M	Muscle	Primary	7439-96-5	Manganese	0.24	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1301
ENV00-04	E0001787	302-0-012005-M	Muscle	Primary	7439-98-7	Molybdenum	-0.0414	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1301
ENV00-04	E0001787	302-0-012005-M	Muscle	Primary	7439-92-1	Lead	-0.0916	0.50	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1301
ENV00-04	E0001787	302-0-012005-M	Muscle	Primary	7440-66-6	Zinc	40.00	0.10	MDL	ug/g	Wet Wt	10			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1557
ENV00-04	E0001788	302-0-012005-L	Liver	Primary	7440-43-9	Cadmium	0.24	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1344
ENV00-04	E0001788	302-0-012005-L	Liver	Primary	7440-50-8	Copper	29.00	0.10	MDL	ug/g	Wet Wt	10			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1600
ENV00-04	E0001788	302-0-012005-L	Liver	Primary	7439-89-6	Iron	130.00	0.50	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1344
ENV00-04	E0001788	302-0-012005-L	Liver	Primary	7439-96-5	Manganese	3.20	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1344
ENV00-04	E0001788	302-0-012005-L	Liver	Primary	7439-98-7	Molybdenum	1.50	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1344
ENV00-04	E0001788	302-0-012005-L	Liver	Primary	7439-92-1	Lead	-0.161	0.50	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1344
ENV00-04	E0001788	302-0-012005-L	Liver	Primary	7440-66-6	Zinc	27.00	0.10	MDL	ug/g	Wet Wt	10			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1600
ENV00-04	E0001789	302-0-010102-M	Muscle	Primary	7440-43-9	Cadmium	0.0077	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1347
ENV00-04	E0001789	302-0-010102-M	Muscle	Primary	7440-50-8	Copper	1.70	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1347
ENV00-04	E0001789	302-0-010102-M	Muscle	Primary	7439-89-6	Iron	46.00	0.50	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1347
ENV00-04	E0001789	302-0-010102-M	Muscle	Primary	7439-96-5	Manganese	0.15	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1347
ENV00-04	E0001789	302-0-010102-M	Muscle	Primary	7439-98-7	Molybdenum	0.0363	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1347
ENV00-04	E0001789	302-0-010102-M	Muscle	Primary	7439-92-1	Lead	-0.0390	0.50	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1347
ENV00-04	E0001789	302-0-010102-M	Muscle	Primary	7440-66-6	Zinc	18.00	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1347
ENV00-04	E0001790	302-0-010102-L	Liver	Primary	7440-43-9	Cadmium	0.70	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1350
ENV00-04	E0001790	302-0-010102-L	Liver	Primary	7440-50-8	Copper	42.00	0.10	MDL	ug/g	Wet Wt	10			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1606
ENV00-04	E0001790	302-0-010102-L	Liver	Primary	7439-89-6	Iron	130.00	0.50	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1350
ENV00-04	E0001790	302-0-010102-L	Liver	Primary	7439-96-5	Manganese	2.80	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1350
ENV00-04	E0001790	302-0-010102-L	Liver	Primary	7439-98-7	Molybdenum	1.20	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1350
ENV00-04	E0001790	302-0-010102-L	Liver	Primary	7439-92-1	Lead	0.0033	0.50	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1350
ENV00-04	E0001790	302-0-010102-L	Liver	Primary	7440-66-6	Zinc	24.00	0.10	MDL	ug/g	Wet Wt	10			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1606
ENV00-04	E0001790D	302-0-010102-L	Liver	Lab Duplicate	7440-43-9	Cadmium	0.66	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1353
ENV00-04	E0001790D	302-0-010102-L	Liver	Lab Duplicate	7440-50-8	Copper	38.00	0.10	MDL	ug/g	Wet Wt	10			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1609
ENV00-04	E0001790D	302-0-010102-L	Liver	Lab Duplicate	7439-89-6	Iron	140.00	0.50	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1353

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
TRACE METALS BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV00-04	E0001790D	302-0-010102-L	Liver	Lab Duplicate	7439-96-5	Manganese	2.60	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1353
ENV00-04	E0001790D	302-0-010102-L	Liver	Lab Duplicate	7439-98-7	Molybdenum	1.00	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1353
ENV00-04	E0001790D	302-0-010102-L	Liver	Lab Duplicate	7439-92-1	Lead	0.0931	0.50	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1353
ENV00-04	E0001790D	302-0-010102-L	Liver	Lab Duplicate	7440-66-6	Zinc	24.00	0.10	MDL	ug/g	Wet Wt	10			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1609
ENV00-04	E0001793	302-0-012589-M	Muscle	Primary	7440-43-9	Cadmium	0.0021	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1357
ENV00-04	E0001793	302-0-012589-M	Muscle	Primary	7440-50-8	Copper	2.20	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1357
ENV00-04	E0001793	302-0-012589-M	Muscle	Primary	7439-89-6	Iron	42.00	0.50	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1357
ENV00-04	E0001793	302-0-012589-M	Muscle	Primary	7439-96-5	Manganese	0.33	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1357
ENV00-04	E0001793	302-0-012589-M	Muscle	Primary	7439-98-7	Molybdenum	0.0157	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1357
ENV00-04	E0001793	302-0-012589-M	Muscle	Primary	7439-92-1	Lead	-0.127	0.50	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1357
ENV00-04	E0001793	302-0-012589-M	Muscle	Primary	7440-66-6	Zinc	39.00	0.10	MDL	ug/g	Wet Wt	10			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1612
ENV00-04	E0001794	302-0-012589-L	Liver	Primary	7440-43-9	Cadmium	0.28	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1359
ENV00-04	E0001794	302-0-012589-L	Liver	Primary	7440-50-8	Copper	24.00	0.10	MDL	ug/g	Wet Wt	10			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1615
ENV00-04	E0001794	302-0-012589-L	Liver	Primary	7439-89-6	Iron	120.00	0.50	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1359
ENV00-04	E0001794	302-0-012589-L	Liver	Primary	7439-96-5	Manganese	2.50	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1359
ENV00-04	E0001794	302-0-012589-L	Liver	Primary	7439-98-7	Molybdenum	1.10	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1359
ENV00-04	E0001794	302-0-012589-L	Liver	Primary	7439-92-1	Lead	0.0165	0.50	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1359
ENV00-04	E0001794	302-0-012589-L	Liver	Primary	7440-66-6	Zinc	24.00	0.10	MDL	ug/g	Wet Wt	10			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1615
ENV00-04	E0001795	302-0-013359-M	Muscle	Primary	7440-43-9	Cadmium	-0.0015	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1402
ENV00-04	E0001795	302-0-013359-M	Muscle	Primary	7440-50-8	Copper	0.74	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1402
ENV00-04	E0001795	302-0-013359-M	Muscle	Primary	7439-89-6	Iron	45.00	0.50	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1402
ENV00-04	E0001795	302-0-013359-M	Muscle	Primary	7439-96-5	Manganese	0.97	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1402
ENV00-04	E0001795	302-0-013359-M	Muscle	Primary	7439-98-7	Molybdenum	-0.0186	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1402
ENV00-04	E0001795	302-0-013359-M	Muscle	Primary	7439-92-1	Lead	0.0347	0.50	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1402
ENV00-04	E0001795	302-0-013359-M	Muscle	Primary	7440-66-6	Zinc	69.00	0.10	MDL	ug/g	Wet Wt	10			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1618
ENV00-04	E0001796	302-0-013359-L	Liver	Primary	7440-43-9	Cadmium	0.16	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1405
ENV00-04	E0001796	302-0-013359-L	Liver	Primary	7440-50-8	Copper	22.00	0.10	MDL	ug/g	Wet Wt	10			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1621
ENV00-04	E0001796	302-0-013359-L	Liver	Primary	7439-89-6	Iron	190.00	0.50	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1405
ENV00-04	E0001796	302-0-013359-L	Liver	Primary	7439-96-5	Manganese	2.90	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1405
ENV00-04	E0001796	302-0-013359-L	Liver	Primary	7439-98-7	Molybdenum	0.64	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1405
ENV00-04	E0001796	302-0-013359-L	Liver	Primary	7439-92-1	Lead	-0.0653	0.50	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1405
ENV00-04	E0001796	302-0-013359-L	Liver	Primary	7440-66-6	Zinc	28.00	0.10	MDL	ug/g	Wet Wt	10			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1621
ENV00-04	E0001797	352-0-001809-M	Muscle	Primary	7440-43-9	Cadmium	0.0087	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1408
ENV00-04	E0001797	352-0-001809-M	Muscle	Primary	7440-50-8	Copper	2.20	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1408
ENV00-04	E0001797	352-0-001809-M	Muscle	Primary	7439-89-6	Iron	46.00	0.50	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1408
ENV00-04	E0001797	352-0-001809-M	Muscle	Primary	7439-96-5	Manganese	0.21	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1408
ENV00-04	E0001797	352-0-001809-M	Muscle	Primary	7439-98-7	Molybdenum	0.0266	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1408
ENV00-04	E0001797	352-0-001809-M	Muscle	Primary	7439-92-1	Lead	0.0622	0.50	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1408
ENV00-04	E0001797	352-0-001809-M	Muscle	Primary	7440-66-6	Zinc	37.00	0.10	MDL	ug/g	Wet Wt	10			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1624
ENV00-04	E0001797SR	House Ref. Liver	Tissue	HRL	7440-43-9	Cadmium	52.00	0.10	MDL	ug/g	Wet Wt	1	54.3	96	11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1411
ENV00-04	E0001797SR	House Ref. Liver	Tissue	HRL	7440-50-8	Copper	120.00	0.10	MDL	ug/g	Wet Wt	1	123	98	11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1627
ENV00-04	E0001797SR	House Ref. Liver	Tissue	HRL	7439-89-6	Iron	170.00	0.50	MDL	ug/g	Wet Wt	1	183	93	11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1627
ENV00-04	E0001797SR	House Ref. Liver	Tissue	HRL	7439-96-5	Manganese	11.00	0.10	MDL	ug/g	Wet Wt	1	10.1	109	11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1411
ENV00-04	E0001797SR	House Ref. Liver	Tissue	HRL	7439-98-7	Molybdenum	3.00	0.10	MDL	ug/g	Wet Wt	1	3.17	95	11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1411
ENV00-04	E0001797SR	House Ref. Liver	Tissue	HRL	7439-92-1	Lead	46.00	0.50	MDL	ug/g	Wet Wt	1	48	96	11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1411
ENV00-04	E0001797SR	House Ref. Liver	Tissue	HRL	7440-66-6	Zinc	110.00	0.10	MDL	ug/g	Wet Wt	1	120	92	11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1627
ENV00-04	E0001797B	Laboratory Blank	Lab QC	BLANK	7440-43-9	Cadmium	-0.0001	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1414
ENV00-04	E0001797B	Laboratory Blank	Lab QC	BLANK	7440-50-8	Copper	0.0019	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1630
ENV00-04	E0001797B	Laboratory Blank	Lab QC	BLANK	7439-89-6	Iron	-0.0068	0.50	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1630
ENV00-04	E0001797B	Laboratory Blank	Lab QC	BLANK	7439-96-5	Manganese	-0.0008	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1414
ENV00-04	E0001797B	Laboratory Blank	Lab QC	BLANK	7439-98-7	Molybdenum	-0.0022	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1414
ENV00-04	E0001797B	Laboratory Blank	Lab QC	BLANK	7439-92-1	Lead	-0.0107	0.50	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1414

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV00-04	E0001797B	Laboratory Blank	Lab QC	BLANK	7440-66-6	Zinc	-0.0002	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1630
ENV00-04	E0001797BS	Lab. Blank Spike	Lab QC	BS	7440-43-9	Cadmium	98			%	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1418
ENV00-04	E0001797CS	Check Standard	Lab QC	CS	7440-43-9	Cadmium	2.10	0.10	MDL	ug/g	Wet Wt	1	2	105	11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1424
ENV00-04	E0001797CS	Check Standard	Lab QC	CS	7440-50-8	Copper	2.00	0.10	MDL	ug/g	Wet Wt	1	2	100	11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1640
ENV00-04	E0001797CS	Check Standard	Lab QC	CS	7439-89-6	Iron	20.00	0.50	MDL	ug/g	Wet Wt	1	20	100	11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1640
ENV00-04	E0001797CS	Check Standard	Lab QC	CS	7439-96-5	Manganese	2.10	0.10	MDL	ug/g	Wet Wt	1	2	105	11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1424
ENV00-04	E0001797CS	Check Standard	Lab QC	CS	7439-98-7	Molybdenum	2.10	0.10	MDL	ug/g	Wet Wt	1	2	105	11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1424
ENV00-04	E0001797CS	Check Standard	Lab QC	CS	7439-92-1	Lead	2.10	0.50	MDL	ug/g	Wet Wt	1	2	105	11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1424
ENV00-04	E0001797CS	Check Standard	Lab QC	CS	7440-66-6	Zinc	2.00	0.10	MDL	ug/g	Wet Wt	1	2	100	11/7/2000	ICP - AES	HMICP_1-17-01	0117HMSMW	1/3/2001	1/17/2001	1640
ENV00-01	E0001669CS	Check Standard	Lab QC	CS	7440-43-9	Cadmium	2.00	0.10	MDL	ug/g	Wet Wt	1	2	100	11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1146
ENV00-01	E0001669CS	Check Standard	Lab QC	CS	7440-50-8	Copper	2.00	0.10	MDL	ug/g	Wet Wt	1	2	100	11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1436
ENV00-01	E0001669CS	Check Standard	Lab QC	CS	7439-89-6	Iron	20.00	0.50	MDL	ug/g	Wet Wt	1	20	100	11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1436
ENV00-01	E0001669CS	Check Standard	Lab QC	CS	7439-96-5	Manganese	2.00	0.10	MDL	ug/g	Wet Wt	1	2	100	11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1146
ENV00-01	E0001669CS	Check Standard	Lab QC	CS	7439-98-7	Molybdenum	2.00	0.10	MDL	ug/g	Wet Wt	1	2	100	11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1146
ENV00-01	E0001669CS	Check Standard	Lab QC	CS	7439-92-1	Lead	2.10	0.50	MDL	ug/g	Wet Wt	1	2	105	11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1146
ENV00-01	E0001669CS	Check Standard	Lab QC	CS	7440-66-6	Zinc	2.00	0.10	MDL	ug/g	Wet Wt	1	2	100	11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1436
ENV00-01	E0001669B	Laboratory Blank	Lab QC	BLANK	7440-43-9	Cadmium	0.0010	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1152
ENV00-01	E0001669B	Laboratory Blank	Lab QC	BLANK	7440-50-8	Copper	0.0063	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1443
ENV00-01	E0001669B	Laboratory Blank	Lab QC	BLANK	7439-89-6	Iron	-0.0091	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1443
ENV00-01	E0001669B	Laboratory Blank	Lab QC	BLANK	7439-96-5	Manganese	0.0004	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1152
ENV00-01	E0001669B	Laboratory Blank	Lab QC	BLANK	7439-98-7	Molybdenum	-0.0037	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1152
ENV00-01	E0001669B	Laboratory Blank	Lab QC	BLANK	7439-92-1	Lead	-0.0049	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1152
ENV00-01	E0001669B	Laboratory Blank	Lab QC	BLANK	7440-66-6	Zinc	0.0029	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1443
ENV00-01	E0001669BS	Lab. Blank Spike	Lab QC	BS	7440-43-9	Cadmium	101			%	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1155
ENV00-01	E0001669SR	House Ref. Liver	Tissue	HRL	7440-43-9	Cadmium	53.00	0.10	MDL	ug/g	Wet Wt	1	54.3	98	11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1159
ENV00-01	E0001669SR	House Ref. Liver	Tissue	HRL	7440-50-8	Copper	120.00	0.10	MDL	ug/g	Wet Wt	1	123	98	11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1449
ENV00-01	E0001669SR	House Ref. Liver	Tissue	HRL	7439-89-6	Iron	180.00	0.50	MDL	ug/g	Wet Wt	1	183	98	11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1449
ENV00-01	E0001669SR	House Ref. Liver	Tissue	HRL	7439-96-5	Manganese	11.00	0.10	MDL	ug/g	Wet Wt	1	10.1	109	11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1159
ENV00-01	E0001669SR	House Ref. Liver	Tissue	HRL	7439-98-7	Molybdenum	3.40	0.10	MDL	ug/g	Wet Wt	1	3.17	107	11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1159
ENV00-01	E0001669SR	House Ref. Liver	Tissue	HRL	7439-92-1	Lead	47.00	0.50	MDL	ug/g	Wet Wt	1	48	98	11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1159
ENV00-01	E0001669SR	House Ref. Liver	Tissue	HRL	7440-66-6	Zinc	120.00	0.10	MDL	ug/g	Wet Wt	1	120	100	11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1449
ENV00-01	E0001669S1	TORT-2	Tissue	SRM	7440-43-9	Cadmium	27.00	0.10	MDL	ug/g	Wet Wt	1	26.7	101	11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1202
ENV00-01	E0001669S1	TORT-2	Tissue	SRM	7440-50-8	Copper	100.00	0.10	MDL	ug/g	Wet Wt	1	106	94	11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1452
ENV00-01	E0001669S1	TORT-2	Tissue	SRM	7439-89-6	Iron	98.00	0.50	MDL	ug/g	Wet Wt	1	105	93	11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1452
ENV00-01	E0001669S1	TORT-2	Tissue	SRM	7439-96-5	Manganese	14.00	0.10	MDL	ug/g	Wet Wt	1	13.6	103	11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1202
ENV00-01	E0001669S1	TORT-2	Tissue	SRM	7439-98-7	Molybdenum	1.10	0.10	MDL	ug/g	Wet Wt	1	0.95	116	11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1202
ENV00-01	E0001669S1	TORT-2	Tissue	SRM	7440-66-6	Zinc	180.00	0.10	MDL	ug/g	Wet Wt	1	180	100	11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1452
ENV00-01	E0001669	302-0-007561-M	Muscle	Primary	7440-43-9	Cadmium	0.0257	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1205
ENV00-01	E0001669	302-0-007561-M	Muscle	Primary	7440-50-8	Copper	2.10	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1205
ENV00-01	E0001669	302-0-007561-M	Muscle	Primary	7439-89-6	Iron	120.00	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1205
ENV00-01	E0001669	302-0-007561-M	Muscle	Primary	7439-96-5	Manganese	4.90	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1205
ENV00-01	E0001669	302-0-007561-M	Muscle	Primary	7439-98-7	Molybdenum	0.0601	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1205
ENV00-01	E0001669	302-0-007561-M	Muscle	Primary	7439-92-1	Lead	0.347	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1205
ENV00-01	E0001669	302-0-007561-M	Muscle	Primary	7440-66-6	Zinc	21.00	0.10	MDL	ug/g	Wet Wt	10			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1455
ENV00-01	E0001670	302-0-007561-L	Liver	Primary	7440-43-9	Cadmium	0.13	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1208
ENV00-01	E0001670	302-0-007561-L	Liver	Primary	7440-50-8	Copper	10.00	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1208
ENV00-01	E0001670	302-0-007561-L	Liver	Primary	7439-89-6	Iron	130.00	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1208
ENV00-01	E0001670	302-0-007561-L	Liver	Primary	7439-96-5	Manganese	2.70	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1208
ENV00-01	E0001670	302-0-007561-L	Liver	Primary	7439-98-7	Molybdenum	1.40	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1208
ENV00-01	E0001670	302-0-007561-L	Liver	Primary	7439-92-1	Lead	0.0966	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1208
ENV00-01	E0001670	302-0-007561-L	Liver	Primary	7440-66-6	Zinc	32.00	0.10	MDL	ug/g	Wet Wt	10			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1458
ENV00-01	E0001671D	302-0-008196-M	Muscle	Lab Duplicate	7440-43-9	Cadmium	0.0108	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1211

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
TRACE METALS BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV00-01	E0001671D	302-0-008196-M	Muscle	Lab Duplicate	7440-50-8	Copper	2.20	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1211
ENV00-01	E0001671D	302-0-008196-M	Muscle	Lab Duplicate	7439-89-6	Iron	36.00	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1211
ENV00-01	E0001671D	302-0-008196-M	Muscle	Lab Duplicate	7439-96-5	Manganese	0.22	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1211
ENV00-01	E0001671D	302-0-008196-M	Muscle	Lab Duplicate	7439-98-7	Molybdenum	0.0467	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1211
ENV00-01	E0001671D	302-0-008196-M	Muscle	Lab Duplicate	7439-92-1	Lead	-0.0982	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1211
ENV00-01	E0001671D	302-0-008196-M	Muscle	Lab Duplicate	7440-66-6	Zinc	34.00	0.10	MDL	ug/g	Wet Wt	10			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1501
ENV00-01	E0001671	302-0-008196-M	Muscle	Primary	7440-43-9	Cadmium	0.0243	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1214
ENV00-01	E0001671	302-0-008196-M	Muscle	Primary	7440-50-8	Copper	2.20	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1214
ENV00-01	E0001671	302-0-008196-M	Muscle	Primary	7439-89-6	Iron	36.00	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1214
ENV00-01	E0001671	302-0-008196-M	Muscle	Primary	7439-96-5	Manganese	0.23	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1214
ENV00-01	E0001671	302-0-008196-M	Muscle	Primary	7439-98-7	Molybdenum	-0.0230	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1214
ENV00-01	E0001671	302-0-008196-M	Muscle	Primary	7439-92-1	Lead	0.0425	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1214
ENV00-01	E0001671	302-0-008196-M	Muscle	Primary	7440-66-6	Zinc	38.00	0.10	MDL	ug/g	Wet Wt	10			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1504
ENV00-01	E0001672	302-0-008196-L	Liver	Primary	7440-43-9	Cadmium	0.17	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1217
ENV00-01	E0001672	302-0-008196-L	Liver	Primary	7440-50-8	Copper	15.00	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1217
ENV00-01	E0001672	302-0-008196-L	Liver	Primary	7439-89-6	Iron	110.00	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1217
ENV00-01	E0001672	302-0-008196-L	Liver	Primary	7439-96-5	Manganese	3.40	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1217
ENV00-01	E0001672	302-0-008196-L	Liver	Primary	7439-98-7	Molybdenum	1.40	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1217
ENV00-01	E0001672	302-0-008196-L	Liver	Primary	7439-92-1	Lead	-0.0226	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1217
ENV00-01	E0001672	302-0-008196-L	Liver	Primary	7440-66-6	Zinc	30.00	0.10	MDL	ug/g	Wet Wt	10			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1507
ENV00-01	E0001675	302-0-008950-M	Muscle	Primary	7440-43-9	Cadmium	0.0236	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1220
ENV00-01	E0001675	302-0-008950-M	Muscle	Primary	7440-50-8	Copper	1.60	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1220
ENV00-01	E0001675	302-0-008950-M	Muscle	Primary	7439-89-6	Iron	73.00	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1220
ENV00-01	E0001675	302-0-008950-M	Muscle	Primary	7439-96-5	Manganese	0.73	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1220
ENV00-01	E0001675	302-0-008950-M	Muscle	Primary	7439-98-7	Molybdenum	0.0410	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1220
ENV00-01	E0001675	302-0-008950-M	Muscle	Primary	7439-92-1	Lead	0.115	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1220
ENV00-01	E0001675	302-0-008950-M	Muscle	Primary	7440-66-6	Zinc	23.00	0.10	MDL	ug/g	Wet Wt	10			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1510
ENV00-01	E0001676	302-0-008950-L	Liver	Primary	7440-43-9	Cadmium	0.26	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1223
ENV00-01	E0001676	302-0-008950-L	Liver	Primary	7440-50-8	Copper	25.00	0.10	MDL	ug/g	Wet Wt	10			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1513
ENV00-01	E0001676	302-0-008950-L	Liver	Primary	7439-89-6	Iron	210.00	0.50	MDL	ug/g	Wet Wt	10			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1513
ENV00-01	E0001676	302-0-008950-L	Liver	Primary	7439-96-5	Manganese	2.40	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1223
ENV00-01	E0001676	302-0-008950-L	Liver	Primary	7439-98-7	Molybdenum	0.82	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1223
ENV00-01	E0001676	302-0-008950-L	Liver	Primary	7439-92-1	Lead	0.0281	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1223
ENV00-01	E0001676	302-0-008950-L	Liver	Primary	7440-66-6	Zinc	23.00	0.10	MDL	ug/g	Wet Wt	10			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1513
ENV00-01	E0001683	302-0-010245-M	Muscle	Primary	7440-43-9	Cadmium	0.0187	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1226
ENV00-01	E0001683	302-0-010245-M	Muscle	Primary	7440-50-8	Copper	2.20	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1226
ENV00-01	E0001683	302-0-010245-M	Muscle	Primary	7439-89-6	Iron	68.00	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1226
ENV00-01	E0001683	302-0-010245-M	Muscle	Primary	7439-96-5	Manganese	0.59	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1226
ENV00-01	E0001683	302-0-010245-M	Muscle	Primary	7439-98-7	Molybdenum	0.0300	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1226
ENV00-01	E0001683	302-0-010245-M	Muscle	Primary	7439-92-1	Lead	0.161	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1226
ENV00-01	E0001683	302-0-010245-M	Muscle	Primary	7440-66-6	Zinc	62.00	0.10	MDL	ug/g	Wet Wt	10			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1516
ENV00-01	E0001684	302-0-010245-L	Liver	Primary	7440-43-9	Cadmium	0.34	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1229
ENV00-01	E0001684	302-0-010245-L	Liver	Primary	7440-50-8	Copper	24.00	0.10	MDL	ug/g	Wet Wt	10			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1519
ENV00-01	E0001684	302-0-010245-L	Liver	Primary	7439-89-6	Iron	260.00	0.50	MDL	ug/g	Wet Wt	10			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1519
ENV00-01	E0001684	302-0-010245-L	Liver	Primary	7439-96-5	Manganese	2.30	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1229
ENV00-01	E0001684	302-0-010245-L	Liver	Primary	7439-98-7	Molybdenum	1.10	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1229
ENV00-01	E0001684	302-0-010245-L	Liver	Primary	7439-92-1	Lead	0.0221	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1229
ENV00-01	E0001684	302-0-010245-L	Liver	Primary	7440-66-6	Zinc	25.00	0.10	MDL	ug/g	Wet Wt	10			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1519
ENV00-01	E0001685	302-0-010754-M	Muscle	Primary	7440-43-9	Cadmium	0.0256	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1232
ENV00-01	E0001685	302-0-010754-M	Muscle	Primary	7440-50-8	Copper	1.10	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1232
ENV00-01	E0001685	302-0-010754-M	Muscle	Primary	7439-89-6	Iron	31.00	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1232
ENV00-01	E0001685	302-0-010754-M	Muscle	Primary	7439-96-5	Manganese	0.17	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1232

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV00-01	E0001685	302-0-010754-M	Muscle	Primary	7439-98-7	Molybdenum	0.0430	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1232
ENV00-01	E0001685	302-0-010754-M	Muscle	Primary	7439-92-1	Lead	-0.334	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1232
ENV00-01	E0001685	302-0-010754-M	Muscle	Primary	7440-66-6	Zinc	57.00	0.10	MDL	ug/g	Wet Wt	10			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1522
ENV00-01	E0001685SR	House Ref. Liver	Tissue	HRL	7440-43-9	Cadmium	49.00	0.10	MDL	ug/g	Wet Wt	1	54.3	90	11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1235
ENV00-01	E0001685SR	House Ref. Liver	Tissue	HRL	7440-50-8	Copper	120.00	0.10	MDL	ug/g	Wet Wt	1	123	98	11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1535
ENV00-01	E0001685SR	House Ref. Liver	Tissue	HRL	7439-89-6	Iron	170.00	0.50	MDL	ug/g	Wet Wt	1	183	93	11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1535
ENV00-01	E0001685SR	House Ref. Liver	Tissue	HRL	7439-96-5	Manganese	11.00	0.10	MDL	ug/g	Wet Wt	1	10.1	109	11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1235
ENV00-01	E0001685SR	House Ref. Liver	Tissue	HRL	7439-98-7	Molybdenum	3.00	0.10	MDL	ug/g	Wet Wt	1	3.17	95	11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1235
ENV00-01	E0001685SR	House Ref. Liver	Tissue	HRL	7439-92-1	Lead	45.00	0.50	MDL	ug/g	Wet Wt	1	48	94	11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1235
ENV00-01	E0001685SR	House Ref. Liver	Tissue	HRL	7440-66-6	Zinc	120.00	0.10	MDL	ug/g	Wet Wt	1	120	100	11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1535
ENV00-01	E0001685B	Laboratory Blank	Lab QC	BLANK	7440-43-9	Cadmium	0.0016	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1238
ENV00-01	E0001685B	Laboratory Blank	Lab QC	BLANK	7440-50-8	Copper	0.0070	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1538
ENV00-01	E0001685B	Laboratory Blank	Lab QC	BLANK	7439-89-6	Iron	-0.0124	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1538
ENV00-01	E0001685B	Laboratory Blank	Lab QC	BLANK	7439-96-5	Manganese	0.0003	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1238
ENV00-01	E0001685B	Laboratory Blank	Lab QC	BLANK	7439-98-7	Molybdenum	-0.0004	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1238
ENV00-01	E0001685B	Laboratory Blank	Lab QC	BLANK	7439-92-1	Lead	0.0076	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1238
ENV00-01	E0001685B	Laboratory Blank	Lab QC	BLANK	7440-66-6	Zinc	0.0046	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1538
ENV00-01	E0001685BS	Lab. Blank Spike	Lab QC	BS	7440-43-9	Cadmium	101			%	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1241
ENV00-01	E0001685CS	Check Standard	Lab QC	CS	7440-43-9	Cadmium	2.00	0.10	MDL	ug/g	Wet Wt	1	2	100	11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1244
ENV00-01	E0001685CS	Check Standard	Lab QC	CS	7440-50-8	Copper	2.00	0.10	MDL	ug/g	Wet Wt	1	2	100	11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1545
ENV00-01	E0001685CS	Check Standard	Lab QC	CS	7439-89-6	Iron	20.00	0.50	MDL	ug/g	Wet Wt	1	20	100	11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1545
ENV00-01	E0001685CS	Check Standard	Lab QC	CS	7439-96-5	Manganese	2.00	0.10	MDL	ug/g	Wet Wt	1	2	100	11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1244
ENV00-01	E0001685CS	Check Standard	Lab QC	CS	7439-98-7	Molybdenum	2.00	0.10	MDL	ug/g	Wet Wt	1	2	100	11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1244
ENV00-01	E0001685CS	Check Standard	Lab QC	CS	7439-92-1	Lead	2.00	0.50	MDL	ug/g	Wet Wt	1	2	100	11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1244
ENV00-01	E0001685CS	Check Standard	Lab QC	CS	7440-66-6	Zinc	2.00	0.10	MDL	ug/g	Wet Wt	1	2	100	11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1545
ENV00-01	E0001686	302-0-010754-L	Liver	Primary	7440-43-9	Cadmium	0.68	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1251
ENV00-01	E0001686	302-0-010754-L	Liver	Primary	7440-50-8	Copper	8.40	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1251
ENV00-01	E0001686	302-0-010754-L	Liver	Primary	7439-89-6	Iron	130.00	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1251
ENV00-01	E0001686	302-0-010754-L	Liver	Primary	7439-96-5	Manganese	3.60	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1251
ENV00-01	E0001686	302-0-010754-L	Liver	Primary	7439-98-7	Molybdenum	1.20	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1251
ENV00-01	E0001686	302-0-010754-L	Liver	Primary	7439-92-1	Lead	0.57	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1251
ENV00-01	E0001686	302-0-010754-L	Liver	Primary	7440-66-6	Zinc	23.00	0.10	MDL	ug/g	Wet Wt	10			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1551
ENV00-01	E0001691	302-0-011888-M	Muscle	Primary	7440-43-9	Cadmium	0.0162	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1254
ENV00-01	E0001691	302-0-011888-M	Muscle	Primary	7440-50-8	Copper	0.73	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1254
ENV00-01	E0001691	302-0-011888-M	Muscle	Primary	7439-89-6	Iron	26.00	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1254
ENV00-01	E0001691	302-0-011888-M	Muscle	Primary	7439-96-5	Manganese	0.29	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1254
ENV00-01	E0001691	302-0-011888-M	Muscle	Primary	7439-98-7	Molybdenum	0.0827	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1254
ENV00-01	E0001691	302-0-011888-M	Muscle	Primary	7439-92-1	Lead	0.0110	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1254
ENV00-01	E0001691	302-0-011888-M	Muscle	Primary	7440-66-6	Zinc	71.00	0.10	MDL	ug/g	Wet Wt	10			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1554
ENV00-01	E0001692	302-0-011888-L	Liver	Primary	7440-43-9	Cadmium	0.27	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1257
ENV00-01	E0001692	302-0-011888-L	Liver	Primary	7440-50-8	Copper	15.00	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1257
ENV00-01	E0001692	302-0-011888-L	Liver	Primary	7439-89-6	Iron	140.00	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1257
ENV00-01	E0001692	302-0-011888-L	Liver	Primary	7439-96-5	Manganese	2.50	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1257
ENV00-01	E0001692	302-0-011888-L	Liver	Primary	7439-98-7	Molybdenum	1.30	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1257
ENV00-01	E0001692	302-0-011888-L	Liver	Primary	7439-92-1	Lead	0.0552	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1257
ENV00-01	E0001692	302-0-011888-L	Liver	Primary	7440-66-6	Zinc	26.00	0.10	MDL	ug/g	Wet Wt	10			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1557
ENV00-01	E0001692D	302-0-011888-L	Liver	Lab Duplicate	7440-43-9	Cadmium	0.27	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1300
ENV00-01	E0001692D	302-0-011888-L	Liver	Lab Duplicate	7440-50-8	Copper	16.00	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1300
ENV00-01	E0001692D	302-0-011888-L	Liver	Lab Duplicate	7439-89-6	Iron	140.00	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1300
ENV00-01	E0001692D	302-0-011888-L	Liver	Lab Duplicate	7439-96-5	Manganese	2.40	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1300
ENV00-01	E0001692D	302-0-011888-L	Liver	Lab Duplicate	7439-98-7	Molybdenum	1.30	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1300
ENV00-01	E0001692D	302-0-011888-L	Liver	Lab Duplicate	7439-92-1	Lead	0.0369	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1300

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
TRACE METALS BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV00-01	E0001692D	302-0-011888-L	Liver	Lab Duplicate	7440-66-6	Zinc	27.00	0.10	MDL	ug/g	Wet Wt	10			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1600
ENV00-01	E0001695	302-0-012165-M	Muscle	Triplicate	7440-43-9	Cadmium	0.0190	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1303
ENV00-01	E0001695	302-0-012165-M	Muscle	Triplicate	7440-50-8	Copper	1.10	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1303
ENV00-01	E0001695	302-0-012165-M	Muscle	Triplicate	7439-89-6	Iron	28.00	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1303
ENV00-01	E0001695	302-0-012165-M	Muscle	Triplicate	7439-96-5	Manganese	0.13	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1303
ENV00-01	E0001695	302-0-012165-M	Muscle	Triplicate	7439-98-7	Molybdenum	0.0664	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1303
ENV00-01	E0001695	302-0-012165-M	Muscle	Triplicate	7439-92-1	Lead	0.113	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1303
ENV00-01	E0001695	302-0-012165-M	Muscle	Triplicate	7440-66-6	Zinc	53.00	0.10	MDL	ug/g	Wet Wt	10			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1603
ENV00-01	E0001695-2	302-0-012165-M	Muscle	Triplicate	7440-43-9	Cadmium	0.0456	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1306
ENV00-01	E0001695-2	302-0-012165-M	Muscle	Triplicate	7440-50-8	Copper	1.10	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1306
ENV00-01	E0001695-2	302-0-012165-M	Muscle	Triplicate	7439-89-6	Iron	26.00	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1306
ENV00-01	E0001695-2	302-0-012165-M	Muscle	Triplicate	7439-96-5	Manganese	0.24	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1306
ENV00-01	E0001695-2	302-0-012165-M	Muscle	Triplicate	7439-98-7	Molybdenum	0.0125	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1306
ENV00-01	E0001695-2	302-0-012165-M	Muscle	Triplicate	7439-92-1	Lead	-0.0646	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1306
ENV00-01	E0001695-2	302-0-012165-M	Muscle	Triplicate	7440-66-6	Zinc	51.00	0.10	MDL	ug/g	Wet Wt	10			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1606
ENV00-01	E0001695-3	302-0-012165-M	Muscle	Triplicate	7440-43-9	Cadmium	0.0128	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1309
ENV00-01	E0001695-3	302-0-012165-M	Muscle	Triplicate	7440-50-8	Copper	1.10	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1309
ENV00-01	E0001695-3	302-0-012165-M	Muscle	Triplicate	7439-89-6	Iron	27.00	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1309
ENV00-01	E0001695-3	302-0-012165-M	Muscle	Triplicate	7439-96-5	Manganese	0.0879	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1309
ENV00-01	E0001695-3	302-0-012165-M	Muscle	Triplicate	7439-98-7	Molybdenum	0.0345	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1309
ENV00-01	E0001695-3	302-0-012165-M	Muscle	Triplicate	7439-92-1	Lead	-0.0293	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1309
ENV00-01	E0001695-3	302-0-012165-M	Muscle	Triplicate	7440-66-6	Zinc	55.00	0.10	MDL	ug/g	Wet Wt	10			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1609
ENV00-01	E0001696MS	302-0-012165-L-MS	Muscle	MS	7440-43-9	Cadmium	89			%	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1312
ENV00-01	E0001696	302-0-012165-L	Liver	Triplicate	7440-43-9	Cadmium	0.36	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1315
ENV00-01	E0001696	302-0-012165-L	Liver	Triplicate	7440-50-8	Copper	30.00	0.10	MDL	ug/g	Wet Wt	10			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1615
ENV00-01	E0001696	302-0-012165-L	Liver	Triplicate	7439-89-6	Iron	170.00	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1315
ENV00-01	E0001696	302-0-012165-L	Liver	Triplicate	7439-96-5	Manganese	2.10	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1315
ENV00-01	E0001696	302-0-012165-L	Liver	Triplicate	7439-98-7	Molybdenum	1.30	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1315
ENV00-01	E0001696	302-0-012165-L	Liver	Triplicate	7439-92-1	Lead	0.0881	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1315
ENV00-01	E0001696	302-0-012165-L	Liver	Triplicate	7440-66-6	Zinc	23.00	0.10	MDL	ug/g	Wet Wt	10			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1615
ENV00-01	E0001696-2	302-0-012165-L	Liver	Triplicate	7440-43-9	Cadmium	0.35	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1318
ENV00-01	E0001696-2	302-0-012165-L	Liver	Triplicate	7440-50-8	Copper	32.00	0.10	MDL	ug/g	Wet Wt	10			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1618
ENV00-01	E0001696-2	302-0-012165-L	Liver	Triplicate	7439-89-6	Iron	160.00	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1318
ENV00-01	E0001696-2	302-0-012165-L	Liver	Triplicate	7439-96-5	Manganese	2.00	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1318
ENV00-01	E0001696-2	302-0-012165-L	Liver	Triplicate	7439-98-7	Molybdenum	1.20	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1318
ENV00-01	E0001696-2	302-0-012165-L	Liver	Triplicate	7439-92-1	Lead	-0.261	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1318
ENV00-01	E0001696-2	302-0-012165-L	Liver	Triplicate	7440-66-6	Zinc	24.00	0.10	MDL	ug/g	Wet Wt	10			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1618
ENV00-01	E0001696-3	302-0-012165-L	Liver	Triplicate	7440-43-9	Cadmium	0.36	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1321
ENV00-01	E0001696-3	302-0-012165-L	Liver	Triplicate	7440-50-8	Copper	30.00	0.10	MDL	ug/g	Wet Wt	10			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1621
ENV00-01	E0001696-3	302-0-012165-L	Liver	Triplicate	7439-89-6	Iron	180.00	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1321
ENV00-01	E0001696-3	302-0-012165-L	Liver	Triplicate	7439-96-5	Manganese	2.10	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1321
ENV00-01	E0001696-3	302-0-012165-L	Liver	Triplicate	7439-98-7	Molybdenum	1.40	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1321
ENV00-01	E0001696-3	302-0-012165-L	Liver	Triplicate	7439-92-1	Lead	0.106	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1321
ENV00-01	E0001696-3	302-0-012165-L	Liver	Triplicate	7440-66-6	Zinc	26.00	0.10	MDL	ug/g	Wet Wt	10			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1621
ENV00-01	E0001695MS	302-0-012165-M-MS	Liver	MS	7440-43-9	Cadmium	97			%	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1324
ENV00-01	E0001696SR	House Ref. Liver	Tissue	HRL	7440-43-9	Cadmium	48.00	0.10	MDL	ug/g	Wet Wt	1	54.3	88	11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1327
ENV00-01	E0001696SR	House Ref. Liver	Tissue	HRL	7440-50-8	Copper	120.00	0.10	MDL	ug/g	Wet Wt	1	123	98	11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1627
ENV00-01	E0001696SR	House Ref. Liver	Tissue	HRL	7439-89-6	Iron	160.00	0.50	MDL	ug/g	Wet Wt	1	183	87	11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1327
ENV00-01	E0001696SR	House Ref. Liver	Tissue	HRL	7439-96-5	Manganese	10.00	0.10	MDL	ug/g	Wet Wt	1	10.1	99	11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1327
ENV00-01	E0001696SR	House Ref. Liver	Tissue	HRL	7439-98-7	Molybdenum	3.10	0.10	MDL	ug/g	Wet Wt	1	3.17	98	11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1327
ENV00-01	E0001696SR	House Ref. Liver	Tissue	HRL	7439-92-1	Lead	42.00	0.50	MDL	ug/g	Wet Wt	1	48	88	11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1327
ENV00-01	E0001696SR	House Ref. Liver	Tissue	HRL	7440-66-6	Zinc	110.00	0.10	MDL	ug/g	Wet Wt	1	120	92	11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1627

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
TRACE METALS BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV00-01	E0001696B	Laboratory Blank	Lab QC	BLANK	7440-43-9	Cadmium	0.0019	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1330
ENV00-01	E0001696B	Laboratory Blank	Lab QC	BLANK	7440-50-8	Copper	0.0046	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1630
ENV00-01	E0001696B	Laboratory Blank	Lab QC	BLANK	7439-89-6	Iron	-0.0182	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1630
ENV00-01	E0001696B	Laboratory Blank	Lab QC	BLANK	7439-96-5	Manganese	0.0002	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1330
ENV00-01	E0001696B	Laboratory Blank	Lab QC	BLANK	7439-98-7	Molybdenum	0.0064	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1330
ENV00-01	E0001696B	Laboratory Blank	Lab QC	BLANK	7439-92-1	Lead	-0.0181	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1330
ENV00-01	E0001696B	Laboratory Blank	Lab QC	BLANK	7440-66-6	Zinc	0.0029	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1630
ENV00-01	E0001696BS	Lab. Blank Spike	Lab QC	BS	7440-43-9	Cadmium	92			%	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1333
ENV00-01	E0001696CS	Check Standard	Lab QC	CS	7440-43-9	Cadmium	1.90	0.10	MDL	ug/g	Wet Wt	1	2	95	11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1339
ENV00-01	E0001696CS	Check Standard	Lab QC	CS	7440-50-8	Copper	1.90	0.10	MDL	ug/g	Wet Wt	1	2	95	11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1639
ENV00-01	E0001696CS	Check Standard	Lab QC	CS	7439-89-6	Iron	19.00	0.50	MDL	ug/g	Wet Wt	1	20	95	11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1639
ENV00-01	E0001696CS	Check Standard	Lab QC	CS	7439-96-5	Manganese	1.90	0.10	MDL	ug/g	Wet Wt	1	2	95	11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1339
ENV00-01	E0001696CS	Check Standard	Lab QC	CS	7439-98-7	Molybdenum	1.90	0.10	MDL	ug/g	Wet Wt	1	2	95	11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1339
ENV00-01	E0001696CS	Check Standard	Lab QC	CS	7439-92-1	Lead	1.90	0.50	MDL	ug/g	Wet Wt	1	2	95	11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1339
ENV00-01	E0001696CS	Check Standard	Lab QC	CS	7440-66-6	Zinc	1.90	0.10	MDL	ug/g	Wet Wt	1	2	95	11/1/2000	ICP - AES	HMICP_1-19-01	0119HMSMW	12/20/2000	1/19/2001	1639
ENV00-01	E0001643CS	Check Standard	Lab QC	CS	7440-43-9	Cadmium	2.00	0.10	MDL	ug/g	Wet Wt	1	2	100	11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1104
ENV00-01	E0001643CS	Check Standard	Lab QC	CS	7440-50-8	Copper	2.00	0.10	MDL	ug/g	Wet Wt	1	2	100	11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1104
ENV00-01	E0001643CS	Check Standard	Lab QC	CS	7439-89-6	Iron	19.00	0.50	MDL	ug/g	Wet Wt	1	20	95	11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1104
ENV00-01	E0001643CS	Check Standard	Lab QC	CS	7439-96-5	Manganese	2.10	0.10	MDL	ug/g	Wet Wt	1	2	105	11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1104
ENV00-01	E0001643CS	Check Standard	Lab QC	CS	7439-98-7	Molybdenum	2.00	0.10	MDL	ug/g	Wet Wt	1	2	100	11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1104
ENV00-01	E0001643CS	Check Standard	Lab QC	CS	7439-92-1	Lead	2.00	0.50	MDL	ug/g	Wet Wt	1	2	100	11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1104
ENV00-01	E0001643CS	Check Standard	Lab QC	CS	7440-66-6	Zinc	2.00	0.10	MDL	ug/g	Wet Wt	1	2	100	11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1104
ENV00-01	E0001643B	Laboratory Blank	Lab QC	BLANK	7440-43-9	Cadmium	0.0012	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1111
ENV00-01	E0001643B	Laboratory Blank	Lab QC	BLANK	7440-50-8	Copper	-0.0001	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1111
ENV00-01	E0001643B	Laboratory Blank	Lab QC	BLANK	7439-89-6	Iron	0.0178	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1111
ENV00-01	E0001643B	Laboratory Blank	Lab QC	BLANK	7439-96-5	Manganese	-0.0004	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1111
ENV00-01	E0001643B	Laboratory Blank	Lab QC	BLANK	7439-98-7	Molybdenum	0.0036	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1111
ENV00-01	E0001643B	Laboratory Blank	Lab QC	BLANK	7439-92-1	Lead	0.0382	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1111
ENV00-01	E0001643B	Laboratory Blank	Lab QC	BLANK	7440-66-6	Zinc	-0.0008	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1111
ENV00-01	E0001643BS	Lab. Blank Spike	Lab QC	BS	7440-43-9	Cadmium	96			%	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1114
ENV00-01	E0001643SR	House Ref. Liver	Tissue	HRL	7440-43-9	Cadmium	52.00	0.10	MDL	ug/g	Wet Wt	1	54.3	96	11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1117
ENV00-01	E0001643SR	House Ref. Liver	Tissue	HRL	7440-50-8	Copper	120.00	0.10	MDL	ug/g	Wet Wt	1	123	98	11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1117
ENV00-01	E0001643SR	House Ref. Liver	Tissue	HRL	7439-89-6	Iron	180.00	0.50	MDL	ug/g	Wet Wt	1	183	98	11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1117
ENV00-01	E0001643SR	House Ref. Liver	Tissue	HRL	7439-96-5	Manganese	11.00	0.10	MDL	ug/g	Wet Wt	1	10.1	109	11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1117
ENV00-01	E0001643SR	House Ref. Liver	Tissue	HRL	7439-98-7	Molybdenum	3.20	0.10	MDL	ug/g	Wet Wt	1	3.17	101	11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1117
ENV00-01	E0001643SR	House Ref. Liver	Tissue	HRL	7439-92-1	Lead	48.00	0.50	MDL	ug/g	Wet Wt	1	48	100	11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1117
ENV00-01	E0001643SR	House Ref. Liver	Tissue	HRL	7440-66-6	Zinc	120.00	0.10	MDL	ug/g	Wet Wt	1	120	100	11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1117
ENV00-01	E0001643S1	TORT-2	Tissue	SRM	7440-43-9	Cadmium	27.00	0.10	MDL	ug/g	Wet Wt	1	26.7	101	11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1120
ENV00-01	E0001643S1	TORT-2	Tissue	SRM	7440-50-8	Copper	100.00	0.10	MDL	ug/g	Wet Wt	1	106	94	11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1120
ENV00-01	E0001643S1	TORT-2	Tissue	SRM	7439-89-6	Iron	97.00	0.50	MDL	ug/g	Wet Wt	1	105	92	11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1120
ENV00-01	E0001643S1	TORT-2	Tissue	SRM	7439-96-5	Manganese	13.00	0.10	MDL	ug/g	Wet Wt	1	13.6	96	11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1120
ENV00-01	E0001643S1	TORT-2	Tissue	SRM	7439-98-7	Molybdenum	1.40	0.10	MDL	ug/g	Wet Wt	1	0.95	147	11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1120
ENV00-01	E0001643S1	TORT-2	Tissue	SRM	7440-66-6	Zinc	180.00	0.10	MDL	ug/g	Wet Wt	1	180	100	11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1120
ENV00-01	E0001643	302-0-002259-M	Muscle	Primary	7440-43-9	Cadmium	0.0313	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1123
ENV00-01	E0001643	302-0-002259-M	Muscle	Primary	7440-50-8	Copper	1.00	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1123
ENV00-01	E0001643	302-0-002259-M	Muscle	Primary	7439-89-6	Iron	44.00	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1123
ENV00-01	E0001643	302-0-002259-M	Muscle	Primary	7439-96-5	Manganese	0.17	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1123
ENV00-01	E0001643	302-0-002259-M	Muscle	Primary	7439-98-7	Molybdenum	0.10	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1123
ENV00-01	E0001643	302-0-002259-M	Muscle	Primary	7439-92-1	Lead	-0.0695	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1123
ENV00-01	E0001643	302-0-002259-M	Muscle	Primary	7440-66-6	Zinc	49.00	0.10	MDL	ug/g	Wet Wt	10			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1439
ENV00-01	E0001644	302-0-002259-L	Liver	Primary	7440-43-9	Cadmium	0.53	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1126
ENV00-01	E0001644	302-0-002259-L	Liver	Primary	7440-50-8	Copper	54.00	0.10	MDL	ug/g	Wet Wt	10			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1442

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
TRACE METALS BY ICP
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UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV00-01	E0001644	302-0-002259-L	Liver	Primary	7439-89-6	Iron	210.00	0.50	MDL	ug/g	Wet Wt	10			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1442
ENV00-01	E0001644	302-0-002259-L	Liver	Primary	7439-96-5	Manganese	2.00	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1126
ENV00-01	E0001644	302-0-002259-L	Liver	Primary	7439-98-7	Molybdenum	1.20	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1126
ENV00-01	E0001644	302-0-002259-L	Liver	Primary	7439-92-1	Lead	0.176	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1126
ENV00-01	E0001644	302-0-002259-L	Liver	Primary	7440-66-6	Zinc	18.00	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1126
ENV00-01	E0001647	302-0-002592-M	Muscle	Triplicate	7440-43-9	Cadmium	0.0135	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1129
ENV00-01	E0001647	302-0-002592-M	Muscle	Triplicate	7440-50-8	Copper	1.30	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1129
ENV00-01	E0001647	302-0-002592-M	Muscle	Triplicate	7439-89-6	Iron	33.00	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1129
ENV00-01	E0001647	302-0-002592-M	Muscle	Triplicate	7439-96-5	Manganese	0.16	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1129
ENV00-01	E0001647	302-0-002592-M	Muscle	Triplicate	7439-98-7	Molybdenum	0.0869	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1129
ENV00-01	E0001647	302-0-002592-M	Muscle	Triplicate	7439-92-1	Lead	0.150	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1129
ENV00-01	E0001647	302-0-002592-M	Muscle	Triplicate	7440-66-6	Zinc	53.00	0.10	MDL	ug/g	Wet Wt	10			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1445
ENV00-01	E0001647-2	302-0-002592-M	Muscle	Triplicate	7440-43-9	Cadmium	0.0093	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1132
ENV00-01	E0001647-2	302-0-002592-M	Muscle	Triplicate	7440-50-8	Copper	1.80	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1132
ENV00-01	E0001647-2	302-0-002592-M	Muscle	Triplicate	7439-89-6	Iron	37.00	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1132
ENV00-01	E0001647-2	302-0-002592-M	Muscle	Triplicate	7439-96-5	Manganese	0.19	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1132
ENV00-01	E0001647-2	302-0-002592-M	Muscle	Triplicate	7439-98-7	Molybdenum	0.0611	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1132
ENV00-01	E0001647-2	302-0-002592-M	Muscle	Triplicate	7439-92-1	Lead	0.108	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1132
ENV00-01	E0001647-2	302-0-002592-M	Muscle	Triplicate	7440-66-6	Zinc	50.00	0.10	MDL	ug/g	Wet Wt	10			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1448
ENV00-01	E0001647-3	302-0-002592-M	Muscle	Triplicate	7440-43-9	Cadmium	0.0161	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1135
ENV00-01	E0001647-3	302-0-002592-M	Muscle	Triplicate	7440-50-8	Copper	1.60	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1135
ENV00-01	E0001647-3	302-0-002592-M	Muscle	Triplicate	7439-89-6	Iron	31.00	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1135
ENV00-01	E0001647-3	302-0-002592-M	Muscle	Triplicate	7439-96-5	Manganese	0.15	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1135
ENV00-01	E0001647-3	302-0-002592-M	Muscle	Triplicate	7439-98-7	Molybdenum	-0.0572	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1135
ENV00-01	E0001647-3	302-0-002592-M	Muscle	Triplicate	7439-92-1	Lead	-0.0152	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1135
ENV00-01	E0001647-3	302-0-002592-M	Muscle	Triplicate	7440-66-6	Zinc	45.00	0.10	MDL	ug/g	Wet Wt	10			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1451
ENV00-01	E0001647MS	302-0-002592-M-MS	Muscle	MS	7440-43-9	Cadmium	104			%	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1138
ENV00-01	E0001648	302-0-002592-L	Liver	Triplicate	7440-43-9	Cadmium	0.42	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1141
ENV00-01	E0001648	302-0-002592-L	Liver	Triplicate	7440-50-8	Copper	11.00	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1141
ENV00-01	E0001648	302-0-002592-L	Liver	Triplicate	7439-89-6	Iron	120.00	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1141
ENV00-01	E0001648	302-0-002592-L	Liver	Triplicate	7439-96-5	Manganese	2.80	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1141
ENV00-01	E0001648	302-0-002592-L	Liver	Triplicate	7439-98-7	Molybdenum	1.50	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1141
ENV00-01	E0001648	302-0-002592-L	Liver	Triplicate	7439-92-1	Lead	0.0473	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1141
ENV00-01	E0001648	302-0-002592-L	Liver	Triplicate	7440-66-6	Zinc	29.00	0.10	MDL	ug/g	Wet Wt	10			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1457
ENV00-01	E0001648-2	302-0-002592-L	Liver	Triplicate	7440-43-9	Cadmium	0.40	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1144
ENV00-01	E0001648-2	302-0-002592-L	Liver	Triplicate	7440-50-8	Copper	10.00	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1144
ENV00-01	E0001648-2	302-0-002592-L	Liver	Triplicate	7439-89-6	Iron	130.00	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1144
ENV00-01	E0001648-2	302-0-002592-L	Liver	Triplicate	7439-96-5	Manganese	3.20	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1144
ENV00-01	E0001648-2	302-0-002592-L	Liver	Triplicate	7439-98-7	Molybdenum	1.70	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1144
ENV00-01	E0001648-2	302-0-002592-L	Liver	Triplicate	7439-92-1	Lead	0.163	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1144
ENV00-01	E0001648-2	302-0-002592-L	Liver	Triplicate	7440-66-6	Zinc	28.00	0.10	MDL	ug/g	Wet Wt	10			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1459
ENV00-01	E0001648-3	302-0-002592-L	Liver	Triplicate	7440-43-9	Cadmium	0.42	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1147
ENV00-01	E0001648-3	302-0-002592-L	Liver	Triplicate	7440-50-8	Copper	11.00	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1147
ENV00-01	E0001648-3	302-0-002592-L	Liver	Triplicate	7439-89-6	Iron	110.00	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1147
ENV00-01	E0001648-3	302-0-002592-L	Liver	Triplicate	7439-96-5	Manganese	3.10	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1147
ENV00-01	E0001648-3	302-0-002592-L	Liver	Triplicate	7439-98-7	Molybdenum	1.50	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1147
ENV00-01	E0001648-3	302-0-002592-L	Liver	Triplicate	7439-92-1	Lead	0.0280	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1147
ENV00-01	E0001648-3	302-0-002592-L	Liver	Triplicate	7440-66-6	Zinc	28.00	0.10	MDL	ug/g	Wet Wt	10			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1502
ENV00-01	E0001648MS	302-0-002592-L-MS	Liver	MS	7440-43-9	Cadmium	92			%	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1150
ENV00-01	E0001648CS	Check Standard	Lab QC	CS	7440-43-9	Cadmium	2.00	0.10	MDL	ug/g	Wet Wt	1	2	100	11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1420
ENV00-01	E0001648CS	Check Standard	Lab QC	CS	7440-50-8	Copper	2.00	0.10	MDL	ug/g	Wet Wt	1	2	100	11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1420
ENV00-01	E0001648CS	Check Standard	Lab QC	CS	7439-89-6	Iron	20.00	0.50	MDL	ug/g	Wet Wt	1	20	100	11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1420

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
TRACE METALS BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV00-01	E0001648CS	Check Standard	Lab QC	CS	7439-96-5	Manganese	2.10	0.10	MDL	ug/g	Wet Wt	1	2	105	11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1420
ENV00-01	E0001648CS	Check Standard	Lab QC	CS	7439-98-7	Molybdenum	2.00	0.10	MDL	ug/g	Wet Wt	1	2	100	11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1420
ENV00-01	E0001648CS	Check Standard	Lab QC	CS	7439-92-1	Lead	2.10	0.50	MDL	ug/g	Wet Wt	1	2	105	11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1420
ENV00-01	E0001648CS	Check Standard	Lab QC	CS	7440-66-6	Zinc	2.00	0.10	MDL	ug/g	Wet Wt	1	2	100	11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1420
ENV00-01	E0001648B	Laboratory Blank	Lab QC	BLANK	7440-43-9	Cadmium	0.0006	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1426
ENV00-01	E0001648B	Laboratory Blank	Lab QC	BLANK	7440-50-8	Copper	0.0016	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1426
ENV00-01	E0001648B	Laboratory Blank	Lab QC	BLANK	7439-89-6	Iron	-0.0004	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1426
ENV00-01	E0001648B	Laboratory Blank	Lab QC	BLANK	7439-96-5	Manganese	-0.0009	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1426
ENV00-01	E0001648B	Laboratory Blank	Lab QC	BLANK	7439-98-7	Molybdenum	0.0075	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1426
ENV00-01	E0001648B	Laboratory Blank	Lab QC	BLANK	7439-92-1	Lead	0.0043	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1426
ENV00-01	E0001648B	Laboratory Blank	Lab QC	BLANK	7440-66-6	Zinc	0.0018	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1426
ENV00-01	E0001648BS	Lab. Blank Spike	Lab QC	BS	7440-43-9	Cadmium	99			%	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1429
ENV00-01	E0001648SR	House Ref. Liver	Tissue	HRL	7440-43-9	Cadmium	50.00	0.10	MDL	ug/g	Wet Wt	1	54.3	92	11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1433
ENV00-01	E0001648SR	House Ref. Liver	Tissue	HRL	7440-50-8	Copper	120.00	0.10	MDL	ug/g	Wet Wt	1	123	98	11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1433
ENV00-01	E0001648SR	House Ref. Liver	Tissue	HRL	7439-89-6	Iron	170.00	0.50	MDL	ug/g	Wet Wt	1	183	93	11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1433
ENV00-01	E0001648SR	House Ref. Liver	Tissue	HRL	7439-96-5	Manganese	11.00	0.10	MDL	ug/g	Wet Wt	1	10.1	109	11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1433
ENV00-01	E0001648SR	House Ref. Liver	Tissue	HRL	7439-98-7	Molybdenum	3.20	0.10	MDL	ug/g	Wet Wt	1	3.17	101	11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1433
ENV00-01	E0001648SR	House Ref. Liver	Tissue	HRL	7439-92-1	Lead	46.00	0.50	MDL	ug/g	Wet Wt	1	48	96	11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1433
ENV00-01	E0001648SR	House Ref. Liver	Tissue	HRL	7440-66-6	Zinc	110.00	0.10	MDL	ug/g	Wet Wt	1	120	92	11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1433
ENV00-01	E0001648S1	TORT-2	Tissue	SRM	7440-43-9	Cadmium	26.00	0.10	MDL	ug/g	Wet Wt	1	26.7	97	11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1436
ENV00-01	E0001648S1	TORT-2	Tissue	SRM	7440-50-8	Copper	98.00	0.10	MDL	ug/g	Wet Wt	1	106	92	11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1436
ENV00-01	E0001648S1	TORT-2	Tissue	SRM	7439-89-6	Iron	91.00	0.50	MDL	ug/g	Wet Wt	1	105	87	11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1436
ENV00-01	E0001648S1	TORT-2	Tissue	SRM	7439-96-5	Manganese	13.00	0.10	MDL	ug/g	Wet Wt	1	13.6	96	11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1436
ENV00-01	E0001648S1	TORT-2	Tissue	SRM	7439-98-7	Molybdenum	1.20	0.10	MDL	ug/g	Wet Wt	1	0.95	126	11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1436
ENV00-01	E0001648S1	TORT-2	Tissue	SRM	7440-66-6	Zinc	180.00	0.10	MDL	ug/g	Wet Wt	1	180	100	11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1436
ENV00-01	E0001649	302-0-002822-M	Muscle	Primary	7440-43-9	Cadmium	0.0118	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1524
ENV00-01	E0001649	302-0-002822-M	Muscle	Primary	7440-50-8	Copper	1.20	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1524
ENV00-01	E0001649	302-0-002822-M	Muscle	Primary	7439-89-6	Iron	47.00	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1524
ENV00-01	E0001649	302-0-002822-M	Muscle	Primary	7439-96-5	Manganese	1.30	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1524
ENV00-01	E0001649	302-0-002822-M	Muscle	Primary	7439-98-7	Molybdenum	-0.0199	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1524
ENV00-01	E0001649	302-0-002822-M	Muscle	Primary	7439-92-1	Lead	0.327	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1524
ENV00-01	E0001649	302-0-002822-M	Muscle	Primary	7440-66-6	Zinc	88.00	0.10	MDL	ug/g	Wet Wt	10			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1613
ENV00-01	E0001649D	302-0-002822-M	Muscle	Lab Duplicate	7440-43-9	Cadmium	0.0164	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1527
ENV00-01	E0001649D	302-0-002822-M	Muscle	Lab Duplicate	7440-50-8	Copper	1.30	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1527
ENV00-01	E0001649D	302-0-002822-M	Muscle	Lab Duplicate	7439-89-6	Iron	48.00	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1527
ENV00-01	E0001649D	302-0-002822-M	Muscle	Lab Duplicate	7439-96-5	Manganese	0.76	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1527
ENV00-01	E0001649D	302-0-002822-M	Muscle	Lab Duplicate	7439-98-7	Molybdenum	0.11	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1527
ENV00-01	E0001649D	302-0-002822-M	Muscle	Lab Duplicate	7439-92-1	Lead	0.315	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1527
ENV00-01	E0001649D	302-0-002822-M	Muscle	Lab Duplicate	7440-66-6	Zinc	87.00	0.10	MDL	ug/g	Wet Wt	10			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1616
ENV00-01	E0001650	302-0-002822-L	Liver	Primary	7440-43-9	Cadmium	0.21	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1530
ENV00-01	E0001650	302-0-002822-L	Liver	Primary	7440-50-8	Copper	24.00	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1530
ENV00-01	E0001650	302-0-002822-L	Liver	Primary	7439-89-6	Iron	180.00	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1530
ENV00-01	E0001650	302-0-002822-L	Liver	Primary	7439-96-5	Manganese	3.80	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1530
ENV00-01	E0001650	302-0-002822-L	Liver	Primary	7439-98-7	Molybdenum	1.30	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1530
ENV00-01	E0001650	302-0-002822-L	Liver	Primary	7439-92-1	Lead	0.78	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1530
ENV00-01	E0001650	302-0-002822-L	Liver	Primary	7440-66-6	Zinc	29.00	0.10	MDL	ug/g	Wet Wt	10			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1619
ENV00-01	E0001651	302-0-003080-M	Muscle	Primary	7440-43-9	Cadmium	0.0237	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1533
ENV00-01	E0001651	302-0-003080-M	Muscle	Primary	7440-50-8	Copper	1.70	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1533
ENV00-01	E0001651	302-0-003080-M	Muscle	Primary	7439-89-6	Iron	36.00	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1533
ENV00-01	E0001651	302-0-003080-M	Muscle	Primary	7439-96-5	Manganese	0.35	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1533
ENV00-01	E0001651	302-0-003080-M	Muscle	Primary	7439-98-7	Molybdenum	-0.0270	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1533
ENV00-01	E0001651	302-0-003080-M	Muscle	Primary	7439-92-1	Lead	0.263	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1533

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
TRACE METALS BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV00-01	E0001651	302-0-003080-M	Muscle	Primary	7440-66-6	Zinc	68.00	0.10	MDL	ug/g	Wet Wt	10			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1622
ENV00-01	E0001652	302-0-003080-L	Liver	Primary	7440-43-9	Cadmium	0.38	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1536
ENV00-01	E0001652	302-0-003080-L	Liver	Primary	7440-50-8	Copper	8.80	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1536
ENV00-01	E0001652	302-0-003080-L	Liver	Primary	7439-89-6	Iron	110.00	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1536
ENV00-01	E0001652	302-0-003080-L	Liver	Primary	7439-96-5	Manganese	2.80	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1536
ENV00-01	E0001652	302-0-003080-L	Liver	Primary	7439-98-7	Molybdenum	1.10	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1536
ENV00-01	E0001652	302-0-003080-L	Liver	Primary	7439-92-1	Lead	0.67	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1536
ENV00-01	E0001652	302-0-003080-L	Liver	Primary	7440-66-6	Zinc	27.00	0.10	MDL	ug/g	Wet Wt	10			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1625
ENV00-01	E0001655	302-0-003818-M	Muscle	Primary	7440-43-9	Cadmium	0.0211	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1539
ENV00-01	E0001655	302-0-003818-M	Muscle	Primary	7440-50-8	Copper	1.60	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1539
ENV00-01	E0001655	302-0-003818-M	Muscle	Primary	7439-89-6	Iron	36.00	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1539
ENV00-01	E0001655	302-0-003818-M	Muscle	Primary	7439-96-5	Manganese	0.24	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1539
ENV00-01	E0001655	302-0-003818-M	Muscle	Primary	7439-98-7	Molybdenum	0.0505	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1539
ENV00-01	E0001655	302-0-003818-M	Muscle	Primary	7439-92-1	Lead	0.373	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1539
ENV00-01	E0001655	302-0-003818-M	Muscle	Primary	7440-66-6	Zinc	59.00	0.10	MDL	ug/g	Wet Wt	10			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1628
ENV00-01	E0001656	302-0-003818-L	Liver	Primary	7440-43-9	Cadmium	0.36	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1543
ENV00-01	E0001656	302-0-003818-L	Liver	Primary	7440-50-8	Copper	38.00	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1543
ENV00-01	E0001656	302-0-003818-L	Liver	Primary	7439-89-6	Iron	180.00	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1543
ENV00-01	E0001656	302-0-003818-L	Liver	Primary	7439-96-5	Manganese	2.30	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1543
ENV00-01	E0001656	302-0-003818-L	Liver	Primary	7439-98-7	Molybdenum	0.95	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1543
ENV00-01	E0001656	302-0-003818-L	Liver	Primary	7439-92-1	Lead	0.350	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1543
ENV00-01	E0001656	302-0-003818-L	Liver	Primary	7440-66-6	Zinc	19.00	0.10	MDL	ug/g	Wet Wt	10			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1631
ENV00-01	E0001657	302-0-004374-M	Muscle	Primary	7440-43-9	Cadmium	0.0197	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1545
ENV00-01	E0001657	302-0-004374-M	Muscle	Primary	7440-50-8	Copper	1.50	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1545
ENV00-01	E0001657	302-0-004374-M	Muscle	Primary	7439-89-6	Iron	58.00	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1545
ENV00-01	E0001657	302-0-004374-M	Muscle	Primary	7439-96-5	Manganese	0.969	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1545
ENV00-01	E0001657	302-0-004374-M	Muscle	Primary	7439-98-7	Molybdenum	0.0350	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1545
ENV00-01	E0001657	302-0-004374-M	Muscle	Primary	7439-92-1	Lead	0.312	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1545
ENV00-01	E0001657	302-0-004374-M	Muscle	Primary	7440-66-6	Zinc	24.00	0.10	MDL	ug/g	Wet Wt	10			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1634
ENV00-01	E0001658	302-0-004374-L	Liver	Primary	7440-43-9	Cadmium	0.32	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1548
ENV00-01	E0001658	302-0-004374-L	Liver	Primary	7440-50-8	Copper	20.00	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1548
ENV00-01	E0001658	302-0-004374-L	Liver	Primary	7439-89-6	Iron	72.00	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1548
ENV00-01	E0001658	302-0-004374-L	Liver	Primary	7439-96-5	Manganese	2.90	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1548
ENV00-01	E0001658	302-0-004374-L	Liver	Primary	7439-98-7	Molybdenum	0.92	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1548
ENV00-01	E0001658	302-0-004374-L	Liver	Primary	7439-92-1	Lead	0.246	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1548
ENV00-01	E0001658	302-0-004374-L	Liver	Primary	7440-66-6	Zinc	23.00	0.10	MDL	ug/g	Wet Wt	10			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1637
ENV00-01	E0001658D	302-0-004374-L	Liver	Lab Duplicate	7440-43-9	Cadmium	0.36	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1551
ENV00-01	E0001658D	302-0-004374-L	Liver	Lab Duplicate	7440-50-8	Copper	23.00	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1551
ENV00-01	E0001658D	302-0-004374-L	Liver	Lab Duplicate	7439-89-6	Iron	74.00	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1551
ENV00-01	E0001658D	302-0-004374-L	Liver	Lab Duplicate	7439-96-5	Manganese	2.90	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1551
ENV00-01	E0001658D	302-0-004374-L	Liver	Lab Duplicate	7439-98-7	Molybdenum	0.86	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1551
ENV00-01	E0001658D	302-0-004374-L	Liver	Lab Duplicate	7439-92-1	Lead	0.371	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1551
ENV00-01	E0001658D	302-0-004374-L	Liver	Lab Duplicate	7440-66-6	Zinc	25.00	0.10	MDL	ug/g	Wet Wt	10			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1640
ENV00-01	E0001658SR	House Ref. Liver	Tissue	HRL	7440-43-9	Cadmium	50.00	0.10	MDL	ug/g	Wet Wt	1	54.3	92	11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1554
ENV00-01	E0001658SR	House Ref. Liver	Tissue	HRL	7440-50-8	Copper	120.00	0.10	MDL	ug/g	Wet Wt	1	123	98	11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1554
ENV00-01	E0001658SR	House Ref. Liver	Tissue	HRL	7439-89-6	Iron	160.00	0.50	MDL	ug/g	Wet Wt	1	183	87	11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1554
ENV00-01	E0001658SR	House Ref. Liver	Tissue	HRL	7439-96-5	Manganese	11.00	0.10	MDL	ug/g	Wet Wt	1	10.1	109	11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1554
ENV00-01	E0001658SR	House Ref. Liver	Tissue	HRL	7439-98-7	Molybdenum	3.50	0.10	MDL	ug/g	Wet Wt	1	3.17	110	11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1554
ENV00-01	E0001658SR	House Ref. Liver	Tissue	HRL	7439-92-1	Lead	45.00	0.50	MDL	ug/g	Wet Wt	1	48	94	11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1554
ENV00-01	E0001658SR	House Ref. Liver	Tissue	HRL	7440-66-6	Zinc	110.00	0.10	MDL	ug/g	Wet Wt	1	120	92	11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1643
ENV00-01	E0001658B	Laboratory Blank	Lab QC	BLANK	7440-43-9	Cadmium	0.0014	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1557
ENV00-01	E0001658B	Laboratory Blank	Lab QC	BLANK	7440-50-8	Copper	0.0019	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1557

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
TRACE METALS BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV00-01	E0001658B	Laboratory Blank	Lab QC	BLANK	7439-89-6	Iron	0.0216	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1557
ENV00-01	E0001658B	Laboratory Blank	Lab QC	BLANK	7439-96-5	Manganese	-0.0006	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1557
ENV00-01	E0001658B	Laboratory Blank	Lab QC	BLANK	7439-98-7	Molybdenum	0.0049	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1557
ENV00-01	E0001658B	Laboratory Blank	Lab QC	BLANK	7439-92-1	Lead	0.0441	0.50	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1557
ENV00-01	E0001658B	Laboratory Blank	Lab QC	BLANK	7440-66-6	Zinc	0.0032	0.10	MDL	ug/g	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1646
ENV00-01	E0001658BS	Lab. Blank Spike	Lab QC	BS	7440-43-9	Cadmium	93			%	Wet Wt	1			11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1601
ENV00-01	E0001658CS	Check Standard	Lab QC	CS	7440-43-9	Cadmium	1.90	0.10	MDL	ug/g	Wet Wt	1	2	95	11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1607
ENV00-01	E0001658CS	Check Standard	Lab QC	CS	7440-50-8	Copper	1.90	0.10	MDL	ug/g	Wet Wt	1	2	95	11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1607
ENV00-01	E0001658CS	Check Standard	Lab QC	CS	7439-89-6	Iron	19.00	0.50	MDL	ug/g	Wet Wt	1	20	95	11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1607
ENV00-01	E0001658CS	Check Standard	Lab QC	CS	7439-96-5	Manganese	2.00	0.10	MDL	ug/g	Wet Wt	1	2	100	11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1607
ENV00-01	E0001658CS	Check Standard	Lab QC	CS	7439-98-7	Molybdenum	1.90	0.10	MDL	ug/g	Wet Wt	1	2	95	11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1607
ENV00-01	E0001658CS	Check Standard	Lab QC	CS	7439-92-1	Lead	1.90	0.50	MDL	ug/g	Wet Wt	1	2	95	11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1607
ENV00-01	E0001658CS	Check Standard	Lab QC	CS	7440-66-6	Zinc	1.90	0.10	MDL	ug/g	Wet Wt	1	2	95	11/1/2000	ICP - AES	HMICP_1-23-01	0123HMS	12/20/2000	1/23/2001	1656
ENV00-04	E0001798CS	Check Standard	Lab QC	CS	7440-43-9	Cadmium	2.00	0.10	MDL	ug/g	Wet Wt	1	2	100	11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1152
ENV00-04	E0001798CS	Check Standard	Lab QC	CS	7440-50-8	Copper	2.00	0.10	MDL	ug/g	Wet Wt	1	2	100	11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1152
ENV00-04	E0001798CS	Check Standard	Lab QC	CS	7439-89-6	Iron	20.00	0.50	MDL	ug/g	Wet Wt	1	20	100	11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1152
ENV00-04	E0001798CS	Check Standard	Lab QC	CS	7439-96-5	Manganese	2.00	0.10	MDL	ug/g	Wet Wt	1	2	100	11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1152
ENV00-04	E0001798CS	Check Standard	Lab QC	CS	7439-98-7	Molybdenum	2.00	0.10	MDL	ug/g	Wet Wt	1	2	100	11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1152
ENV00-04	E0001798CS	Check Standard	Lab QC	CS	7439-92-1	Lead	2.00	0.50	MDL	ug/g	Wet Wt	1	2	100	11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1152
ENV00-04	E0001798CS	Check Standard	Lab QC	CS	7440-66-6	Zinc	2.00	0.10	MDL	ug/g	Wet Wt	1	2	100	11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1152
ENV00-04	E0001798B	Laboratory Blank	Lab QC	BLANK	7440-43-9	Cadmium	0.0045	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1159
ENV00-04	E0001798B	Laboratory Blank	Lab QC	BLANK	7440-50-8	Copper	0.0032	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1159
ENV00-04	E0001798B	Laboratory Blank	Lab QC	BLANK	7439-89-6	Iron	0.0041	0.50	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1159
ENV00-04	E0001798B	Laboratory Blank	Lab QC	BLANK	7439-96-5	Manganese	0.0022	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1159
ENV00-04	E0001798B	Laboratory Blank	Lab QC	BLANK	7439-98-7	Molybdenum	-0.0043	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1159
ENV00-04	E0001798B	Laboratory Blank	Lab QC	BLANK	7439-92-1	Lead	0.0136	0.50	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1159
ENV00-04	E0001798B	Laboratory Blank	Lab QC	BLANK	7440-66-6	Zinc	0.0024	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1159
ENV00-04	E0001798BS	Lab. Blank Spike	Lab QC	BS	7440-43-9	Cadmium	93			%	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1202
ENV00-04	E0001798SR	House Ref. Liver	Tissue	HRL	7440-43-9	Cadmium	50.00	0.10	MDL	ug/g	Wet Wt	1	54.3	92	11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1206
ENV00-04	E0001798SR	House Ref. Liver	Tissue	HRL	7440-50-8	Copper	120.00	0.10	MDL	ug/g	Wet Wt	1	123	98	11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1206
ENV00-04	E0001798SR	House Ref. Liver	Tissue	HRL	7439-89-6	Iron	170.00	0.50	MDL	ug/g	Wet Wt	1	183	93	11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1206
ENV00-04	E0001798SR	House Ref. Liver	Tissue	HRL	7439-96-5	Manganese	11.00	0.10	MDL	ug/g	Wet Wt	1	10.1	109	11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1206
ENV00-04	E0001798SR	House Ref. Liver	Tissue	HRL	7439-98-7	Molybdenum	3.00	0.10	MDL	ug/g	Wet Wt	1	3.17	95	11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1206
ENV00-04	E0001798SR	House Ref. Liver	Tissue	HRL	7439-92-1	Lead	43.00	0.50	MDL	ug/g	Wet Wt	1	48	90	11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1206
ENV00-04	E0001798SR	House Ref. Liver	Tissue	HRL	7440-66-6	Zinc	110.00	0.10	MDL	ug/g	Wet Wt	1	120	92	11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1206
ENV00-04	E0001798S1	TORT-2	Tissue	SRM	7440-43-9	Cadmium	28.00	0.10	MDL	ug/g	Wet Wt	1	26.7	105	11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1209
ENV00-04	E0001798S1	TORT-2	Tissue	SRM	7440-50-8	Copper	100.00	0.10	MDL	ug/g	Wet Wt	1	106	94	11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1209
ENV00-04	E0001798S1	TORT-2	Tissue	SRM	7439-89-6	Iron	100.00	0.50	MDL	ug/g	Wet Wt	1	105	95	11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1209
ENV00-04	E0001798S1	TORT-2	Tissue	SRM	7439-96-5	Manganese	14.00	0.10	MDL	ug/g	Wet Wt	1	13.6	103	11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1209
ENV00-04	E0001798S1	TORT-2	Tissue	SRM	7439-98-7	Molybdenum	1.60	0.10	MDL	ug/g	Wet Wt	1	0.95	168	11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1209
ENV00-04	E0001798S1	TORT-2	Tissue	SRM	7440-66-6	Zinc	190.00	0.10	MDL	ug/g	Wet Wt	1	180	106	11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1209
ENV00-04	E0001798	352-0-001809-L	Liver	Primary	7440-43-9	Cadmium	0.17	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1212
ENV00-04	E0001798	352-0-001809-L	Liver	Primary	7440-50-8	Copper	62.00	0.10	MDL	ug/g	Wet Wt	10			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1428
ENV00-04	E0001798	352-0-001809-L	Liver	Primary	7439-89-6	Iron	230.00	0.50	MDL	ug/g	Wet Wt	10			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1428
ENV00-04	E0001798	352-0-001809-L	Liver	Primary	7439-96-5	Manganese	2.20	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1212
ENV00-04	E0001798	352-0-001809-L	Liver	Primary	7439-98-7	Molybdenum	0.93	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1212
ENV00-04	E0001798	352-0-001809-L	Liver	Primary	7439-92-1	Lead	0.0410	0.50	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1212
ENV00-04	E0001798	352-0-001809-L	Liver	Primary	7440-66-6	Zinc	20.00	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1212
ENV00-04	E0001799	352-0-001280-M	Muscle	Primary	7440-43-9	Cadmium	0.0566	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1215
ENV00-04	E0001799	352-0-001280-M	Muscle	Primary	7440-50-8	Copper	1.10	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1215
ENV00-04	E0001799	352-0-001280-M	Muscle	Primary	7439-89-6	Iron	33.00	0.50	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1215
ENV00-04	E0001799	352-0-001280-M	Muscle	Primary	7439-96-5	Manganese	0.13	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1215

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
TRACE METALS BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV00-04	E0001799	352-0-001280-M	Muscle	Primary	7439-98-7	Molybdenum	0.0381	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1215
ENV00-04	E0001799	352-0-001280-M	Muscle	Primary	7439-92-1	Lead	0.0280	0.50	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1215
ENV00-04	E0001799	352-0-001280-M	Muscle	Primary	7440-66-6	Zinc	64.00	0.10	MDL	ug/g	Wet Wt	10			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1431
ENV00-04	E0001800	352-0-001280-L	Liver	Primary	7440-43-9	Cadmium	0.45	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1218
ENV00-04	E0001800	352-0-001280-L	Liver	Primary	7440-50-8	Copper	42.00	0.10	MDL	ug/g	Wet Wt	10			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1434
ENV00-04	E0001800	352-0-001280-L	Liver	Primary	7439-89-6	Iron	120.00	0.50	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1218
ENV00-04	E0001800	352-0-001280-L	Liver	Primary	7439-96-5	Manganese	2.90	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1218
ENV00-04	E0001800	352-0-001280-L	Liver	Primary	7439-98-7	Molybdenum	1.40	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1218
ENV00-04	E0001800	352-0-001280-L	Liver	Primary	7439-92-1	Lead	0.0371	0.50	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1218
ENV00-04	E0001800	352-0-001280-L	Liver	Primary	7440-66-6	Zinc	30.00	0.10	MDL	ug/g	Wet Wt	10			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1434
ENV00-04	E0001800D	352-0-001280-L	Liver	Lab Duplicate	7440-43-9	Cadmium	0.46	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1221
ENV00-04	E0001800D	352-0-001280-L	Liver	Lab Duplicate	7440-50-8	Copper	40.00	0.10	MDL	ug/g	Wet Wt	10			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1437
ENV00-04	E0001800D	352-0-001280-L	Liver	Lab Duplicate	7439-89-6	Iron	120.00	0.50	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1221
ENV00-04	E0001800D	352-0-001280-L	Liver	Lab Duplicate	7439-96-5	Manganese	3.10	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1221
ENV00-04	E0001800D	352-0-001280-L	Liver	Lab Duplicate	7439-98-7	Molybdenum	1.50	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1221
ENV00-04	E0001800D	352-0-001280-L	Liver	Lab Duplicate	7439-92-1	Lead	0.0943	0.50	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1221
ENV00-04	E0001800D	352-0-001280-L	Liver	Lab Duplicate	7440-66-6	Zinc	29.00	0.10	MDL	ug/g	Wet Wt	10			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1437
ENV00-04	E0001803	302-0-012912-M	Muscle	Primary	7440-43-9	Cadmium	0.0401	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1224
ENV00-04	E0001803	302-0-012912-M	Muscle	Primary	7440-50-8	Copper	1.10	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1224
ENV00-04	E0001803	302-0-012912-M	Muscle	Primary	7439-89-6	Iron	17.00	0.50	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1224
ENV00-04	E0001803	302-0-012912-M	Muscle	Primary	7439-96-5	Manganese	0.17	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1224
ENV00-04	E0001803	302-0-012912-M	Muscle	Primary	7439-98-7	Molybdenum	-0.0176	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1224
ENV00-04	E0001803	302-0-012912-M	Muscle	Primary	7439-92-1	Lead	0.107	0.50	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1224
ENV00-04	E0001803	302-0-012912-M	Muscle	Primary	7440-66-6	Zinc	52.00	0.10	MDL	ug/g	Wet Wt	10			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1440
ENV00-04	E0001804	302-0-012912-L	Liver	Primary	7440-43-9	Cadmium	0.38	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1227
ENV00-04	E0001804	302-0-012912-L	Liver	Primary	7440-50-8	Copper	15.00	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1227
ENV00-04	E0001804	302-0-012912-L	Liver	Primary	7439-89-6	Iron	220.00	0.50	MDL	ug/g	Wet Wt	10			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1443
ENV00-04	E0001804	302-0-012912-L	Liver	Primary	7439-96-5	Manganese	2.70	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1227
ENV00-04	E0001804	302-0-012912-L	Liver	Primary	7439-98-7	Molybdenum	0.76	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1227
ENV00-04	E0001804	302-0-012912-L	Liver	Primary	7439-92-1	Lead	0.0629	0.50	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1227
ENV00-04	E0001804	302-0-012912-L	Liver	Primary	7440-66-6	Zinc	26.00	0.10	MDL	ug/g	Wet Wt	10			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1443
ENV00-04	E0001807	302-0-012404-M	Muscle	Primary	7440-43-9	Cadmium	0.0387	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1230
ENV00-04	E0001807	302-0-012404-M	Muscle	Primary	7440-50-8	Copper	1.90	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1230
ENV00-04	E0001807	302-0-012404-M	Muscle	Primary	7439-89-6	Iron	34.00	0.50	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1230
ENV00-04	E0001807	302-0-012404-M	Muscle	Primary	7439-96-5	Manganese	0.17	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1230
ENV00-04	E0001807	302-0-012404-M	Muscle	Primary	7439-98-7	Molybdenum	0.0403	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1230
ENV00-04	E0001807	302-0-012404-M	Muscle	Primary	7439-92-1	Lead	0.0855	0.50	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1230
ENV00-04	E0001807	302-0-012404-M	Muscle	Primary	7440-66-6	Zinc	21.00	0.10	MDL	ug/g	Wet Wt	10			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1446
ENV00-04	E0001808	302-0-012404-L	Liver	Primary	7440-43-9	Cadmium	0.31	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1233
ENV00-04	E0001808	302-0-012404-L	Liver	Primary	7440-50-8	Copper	15.00	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1233
ENV00-04	E0001808	302-0-012404-L	Liver	Primary	7439-89-6	Iron	140.00	0.50	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1233
ENV00-04	E0001808	302-0-012404-L	Liver	Primary	7439-96-5	Manganese	3.00	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1233
ENV00-04	E0001808	302-0-012404-L	Liver	Primary	7439-98-7	Molybdenum	1.10	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1233
ENV00-04	E0001808	302-0-012404-L	Liver	Primary	7439-92-1	Lead	0.145	0.50	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1233
ENV00-04	E0001808	302-0-012404-L	Liver	Primary	7440-66-6	Zinc	23.00	0.10	MDL	ug/g	Wet Wt	10			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1449
ENV00-04	E0001809	101-0-018283-M	Muscle	Primary	7440-43-9	Cadmium	0.0478	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1236
ENV00-04	E0001809	101-0-018283-M	Muscle	Primary	7440-50-8	Copper	1.80	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1236
ENV00-04	E0001809	101-0-018283-M	Muscle	Primary	7439-89-6	Iron	47.00	0.50	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1236
ENV00-04	E0001809	101-0-018283-M	Muscle	Primary	7439-96-5	Manganese	0.32	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1236
ENV00-04	E0001809	101-0-018283-M	Muscle	Primary	7439-98-7	Molybdenum	-0.0146	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1236
ENV00-04	E0001809	101-0-018283-M	Muscle	Primary	7439-92-1	Lead	0.0849	0.50	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1236
ENV00-04	E0001809	101-0-018283-M	Muscle	Primary	7440-66-6	Zinc	110.00	0.10	MDL	ug/g	Wet Wt	10			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1452

ATTACHMENT A
MWH ENV 1999-2000 EDD TISSUE DATA
TRACE METALS BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
ENV00-04	E0001810	101-0-018283-L	Liver	Primary	7440-43-9	Cadmium	0.31	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1239
ENV00-04	E0001810	101-0-018283-L	Liver	Primary	7440-50-8	Copper	7.90	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1239
ENV00-04	E0001810	101-0-018283-L	Liver	Primary	7439-89-6	Iron	160.00	0.50	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1239
ENV00-04	E0001810	101-0-018283-L	Liver	Primary	7439-96-5	Manganese	2.20	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1239
ENV00-04	E0001810	101-0-018283-L	Liver	Primary	7439-98-7	Molybdenum	1.30	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1239
ENV00-04	E0001810	101-0-018283-L	Liver	Primary	7439-92-1	Lead	0.261	0.50	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1239
ENV00-04	E0001810	101-0-018283-L	Liver	Primary	7440-66-6	Zinc	23.00	0.10	MDL	ug/g	Wet Wt	10			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1455
ENV00-04	E0001811	302-0-011541-M	Muscle	Primary	7440-43-9	Cadmium	0.0451	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1242
ENV00-04	E0001811	302-0-011541-M	Muscle	Primary	7440-50-8	Copper	1.20	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1242
ENV00-04	E0001811	302-0-011541-M	Muscle	Primary	7439-89-6	Iron	53.00	0.50	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1242
ENV00-04	E0001811	302-0-011541-M	Muscle	Primary	7439-96-5	Manganese	0.74	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1242
ENV00-04	E0001811	302-0-011541-M	Muscle	Primary	7439-98-7	Molybdenum	-0.0197	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1242
ENV00-04	E0001811	302-0-011541-M	Muscle	Primary	7439-92-1	Lead	0.101	0.50	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1242
ENV00-04	E0001811	302-0-011541-M	Muscle	Primary	7440-66-6	Zinc	61.00	0.10	MDL	ug/g	Wet Wt	10			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1457
ENV00-04	E0001812	302-0-011541-L	Liver	Primary	7440-43-9	Cadmium	0.32	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1245
ENV00-04	E0001812	302-0-011541-L	Liver	Primary	7440-50-8	Copper	43.00	0.10	MDL	ug/g	Wet Wt	10			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1500
ENV00-04	E0001812	302-0-011541-L	Liver	Primary	7439-89-6	Iron	220.00	0.50	MDL	ug/g	Wet Wt	10			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1500
ENV00-04	E0001812	302-0-011541-L	Liver	Primary	7439-96-5	Manganese	2.40	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1245
ENV00-04	E0001812	302-0-011541-L	Liver	Primary	7439-98-7	Molybdenum	1.40	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1245
ENV00-04	E0001812	302-0-011541-L	Liver	Primary	7439-92-1	Lead	0.0946	0.50	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1245
ENV00-04	E0001812	302-0-011541-L	Liver	Primary	7440-66-6	Zinc	23.00	0.10	MDL	ug/g	Wet Wt	10			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1500
ENV00-04	E0001812B	Laboratory Blank	Lab QC	BLANK	7440-43-9	Cadmium	0.0035	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1248
ENV00-04	E0001812B	Laboratory Blank	Lab QC	BLANK	7440-50-8	Copper	0.0032	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1248
ENV00-04	E0001812B	Laboratory Blank	Lab QC	BLANK	7439-89-6	Iron	0.0054	0.50	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1248
ENV00-04	E0001812B	Laboratory Blank	Lab QC	BLANK	7439-96-5	Manganese	0.0020	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1248
ENV00-04	E0001812B	Laboratory Blank	Lab QC	BLANK	7439-98-7	Molybdenum	-0.0053	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1248
ENV00-04	E0001812B	Laboratory Blank	Lab QC	BLANK	7439-92-1	Lead	0.0129	0.50	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1248
ENV00-04	E0001812B	Laboratory Blank	Lab QC	BLANK	7440-66-6	Zinc	0.0029	0.10	MDL	ug/g	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1248
ENV00-04	E0001812CS	Check Standard	Lab QC	CS	7440-43-9	Cadmium	2.00	0.10	MDL	ug/g	Wet Wt	1	2	100	11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1251
ENV00-04	E0001812CS	Check Standard	Lab QC	CS	7440-50-8	Copper	2.00	0.10	MDL	ug/g	Wet Wt	1	2	100	11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1251
ENV00-04	E0001812CS	Check Standard	Lab QC	CS	7439-89-6	Iron	21.00	0.50	MDL	ug/g	Wet Wt	1	20	105	11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1251
ENV00-04	E0001812CS	Check Standard	Lab QC	CS	7439-96-5	Manganese	2.00	0.10	MDL	ug/g	Wet Wt	1	2	100	11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1251
ENV00-04	E0001812CS	Check Standard	Lab QC	CS	7439-98-7	Molybdenum	2.00	0.10	MDL	ug/g	Wet Wt	1	2	100	11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1251
ENV00-04	E0001812CS	Check Standard	Lab QC	CS	7439-92-1	Lead	2.00	0.50	MDL	ug/g	Wet Wt	1	2	100	11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1251
ENV00-04	E0001812CS	Check Standard	Lab QC	CS	7440-66-6	Zinc	2.00	0.10	MDL	ug/g	Wet Wt	1	2	100	11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1251
ENV00-04	E0001812BS	Lab. Blank Spike	Lab QC	BS	7440-43-9	Cadmium	98			%	Wet Wt	1			11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1258
ENV00-04	E0001812SR	House Ref. Liver	Tissue	HRL	7440-43-9	Cadmium	49.00	0.10	MDL	ug/g	Wet Wt	1	54.3	90	11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1301
ENV00-04	E0001812SR	House Ref. Liver	Tissue	HRL	7440-50-8	Copper	120.00	0.10	MDL	ug/g	Wet Wt	1	123	98	11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1301
ENV00-04	E0001812SR	House Ref. Liver	Tissue	HRL	7439-89-6	Iron	170.00	0.50	MDL	ug/g	Wet Wt	1	183	93	11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1301
ENV00-04	E0001812SR	House Ref. Liver	Tissue	HRL	7439-96-5	Manganese	11.00	0.10	MDL	ug/g	Wet Wt	1	10.1	109	11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1301
ENV00-04	E0001812SR	House Ref. Liver	Tissue	HRL	7439-98-7	Molybdenum	3.30	0.10	MDL	ug/g	Wet Wt	1	3.17	104	11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1301
ENV00-04	E0001812SR	House Ref. Liver	Tissue	HRL	7439-92-1	Lead	43.00	0.50	MDL	ug/g	Wet Wt	1	48	90	11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1301
ENV00-04	E0001812SR	House Ref. Liver	Tissue	HRL	7440-66-6	Zinc	110.00	0.10	MDL	ug/g	Wet Wt	1	120	92	11/7/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1301
EDC00-01	E0001845	3752-L	Liver	Primary	7440-43-9	Cadmium	0.12	0.10	MDL	ug/g	Wet Wt	1			12/5/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1304
EDC00-01	E0001845	3752-L	Liver	Primary	7440-50-8	Copper	22.00	0.10	MDL	ug/g	Wet Wt	10			12/5/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1519
EDC00-01	E0001845	3752-L	Liver	Primary	7439-89-6	Iron	64.00	0.50	MDL	ug/g	Wet Wt	1			12/5/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1304
EDC00-01	E0001845	3752-L	Liver	Primary	7439-96-5	Manganese	4.10	0.10	MDL	ug/g	Wet Wt	1			12/5/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1304
EDC00-01	E0001845	3752-L	Liver	Primary	7439-98-7	Molybdenum	1.50	0.10	MDL	ug/g	Wet Wt	1			12/5/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1304
EDC00-01	E0001845	3752-L	Liver	Primary	7439-92-1	Lead	0.106	0.50	MDL	ug/g	Wet Wt	1			12/5/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1304
EDC00-01	E0001845	3752-L	Liver	Primary	7440-66-6	Zinc	68.00	0.10	MDL	ug/g	Wet Wt	10			12/5/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1519
EDC00-01	E0001845D	3752-L	Liver	Lab Duplicate	7440-43-9	Cadmium	0.12	0.10	MDL	ug/g	Wet Wt	1			12/5/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1307
EDC00-01	E0001845D	3752-L	Liver	Lab Duplicate	7440-50-8	Copper	22.00	0.10	MDL	ug/g	Wet Wt	10			12/5/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1522

ATTACHMENT A
MWH EDD - 1999-2000 ELK TISSUE DATA
TRACE METALS BY ICP

UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
EDC00-01	E0001845D	3752-L	Liver	Lab Duplicate	7439-89-6	Iron	60.00	0.50	MDL	ug/g	Wet Wt	1			12/5/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1307
EDC00-01	E0001845D	3752-L	Liver	Lab Duplicate	7439-96-5	Manganese	4.10	0.10	MDL	ug/g	Wet Wt	1			12/5/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1307
EDC00-01	E0001845D	3752-L	Liver	Lab Duplicate	7439-98-7	Molybdenum	1.60	0.10	MDL	ug/g	Wet Wt	1			12/5/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1307
EDC00-01	E0001845D	3752-L	Liver	Lab Duplicate	7439-92-1	Lead	-0.0012	0.50	MDL	ug/g	Wet Wt	1			12/5/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1307
EDC00-01	E0001845D	3752-L	Liver	Lab Duplicate	7440-66-6	Zinc	65.00	0.10	MDL	ug/g	Wet Wt	10			12/5/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1522
EDC00-01	E0001846	0186-M	Muscle	Primary	7440-43-9	Cadmium	0.0484	0.10	MDL	ug/g	Wet Wt	1			12/5/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1310
EDC00-01	E0001846	0186-M	Muscle	Primary	7440-50-8	Copper	2.00	0.10	MDL	ug/g	Wet Wt	1			12/5/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1310
EDC00-01	E0001846	0186-M	Muscle	Primary	7439-89-6	Iron	40.00	0.50	MDL	ug/g	Wet Wt	1			12/5/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1310
EDC00-01	E0001846	0186-M	Muscle	Primary	7439-96-5	Manganese	0.18	0.10	MDL	ug/g	Wet Wt	1			12/5/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1310
EDC00-01	E0001846	0186-M	Muscle	Primary	7439-98-7	Molybdenum	-0.0401	0.10	MDL	ug/g	Wet Wt	1			12/5/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1310
EDC00-01	E0001846	0186-M	Muscle	Primary	7439-92-1	Lead	-0.0768	0.50	MDL	ug/g	Wet Wt	1			12/5/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1310
EDC00-01	E0001846	0186-M	Muscle	Primary	7440-66-6	Zinc	35.00	0.10	MDL	ug/g	Wet Wt	10			12/5/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1525
EDC00-01	E0001847	3289-L	Liver	Triplicate	7440-43-9	Cadmium	0.16	0.10	MDL	ug/g	Wet Wt	1			12/5/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1313
EDC00-01	E0001847	3289-L	Liver	Triplicate	7440-50-8	Copper	27.00	0.10	MDL	ug/g	Wet Wt	10			12/5/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1528
EDC00-01	E0001847	3289-L	Liver	Triplicate	7439-89-6	Iron	100.00	0.50	MDL	ug/g	Wet Wt	1			12/5/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1313
EDC00-01	E0001847	3289-L	Liver	Triplicate	7439-96-5	Manganese	2.10	0.10	MDL	ug/g	Wet Wt	1			12/5/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1313
EDC00-01	E0001847	3289-L	Liver	Triplicate	7439-98-7	Molybdenum	0.73	0.10	MDL	ug/g	Wet Wt	1			12/5/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1313
EDC00-01	E0001847	3289-L	Liver	Triplicate	7439-92-1	Lead	0.104	0.50	MDL	ug/g	Wet Wt	1			12/5/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1313
EDC00-01	E0001847	3289-L	Liver	Triplicate	7440-66-6	Zinc	16.00	0.10	MDL	ug/g	Wet Wt	1			12/5/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1313
EDC00-01	E0001847-2	3289-L	Liver	Triplicate	7440-43-9	Cadmium	0.16	0.10	MDL	ug/g	Wet Wt	1			12/5/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1316
EDC00-01	E0001847-2	3289-L	Liver	Triplicate	7440-50-8	Copper	17.00	0.10	MDL	ug/g	Wet Wt	10			12/5/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1531
EDC00-01	E0001847-2	3289-L	Liver	Triplicate	7439-89-6	Iron	100.00	0.50	MDL	ug/g	Wet Wt	1			12/5/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1316
EDC00-01	E0001847-2	3289-L	Liver	Triplicate	7439-96-5	Manganese	2.10	0.10	MDL	ug/g	Wet Wt	1			12/5/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1316
EDC00-01	E0001847-2	3289-L	Liver	Triplicate	7439-98-7	Molybdenum	0.67	0.10	MDL	ug/g	Wet Wt	1			12/5/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1316
EDC00-01	E0001847-2	3289-L	Liver	Triplicate	7439-92-1	Lead	0.129	0.50	MDL	ug/g	Wet Wt	1			12/5/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1316
EDC00-01	E0001847-2	3289-L	Liver	Triplicate	7440-66-6	Zinc	16.00	0.10	MDL	ug/g	Wet Wt	1			12/5/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1316
EDC00-01	E0001847-3	3289-L	Liver	Triplicate	7440-43-9	Cadmium	0.16	0.10	MDL	ug/g	Wet Wt	1			12/5/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1319
EDC00-01	E0001847-3	3289-L	Liver	Triplicate	7440-50-8	Copper	22.00	0.10	MDL	ug/g	Wet Wt	10			12/5/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1534
EDC00-01	E0001847-3	3289-L	Liver	Triplicate	7439-89-6	Iron	99.00	0.50	MDL	ug/g	Wet Wt	1			12/5/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1319
EDC00-01	E0001847-3	3289-L	Liver	Triplicate	7439-96-5	Manganese	2.00	0.10	MDL	ug/g	Wet Wt	1			12/5/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1319
EDC00-01	E0001847-3	3289-L	Liver	Triplicate	7439-98-7	Molybdenum	0.73	0.10	MDL	ug/g	Wet Wt	1			12/5/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1319
EDC00-01	E0001847-3	3289-L	Liver	Triplicate	7439-92-1	Lead	0.107	0.50	MDL	ug/g	Wet Wt	1			12/5/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1319
EDC00-01	E0001847-3	3289-L	Liver	Triplicate	7440-66-6	Zinc	16.00	0.10	MDL	ug/g	Wet Wt	1			12/5/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1319
EDC00-01	E0001847MS	3289-L-MS	Liver	MS	7440-43-9	Cadmium	100			%	Wet Wt	1			12/5/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1322
EDC00-01	E0001848	6541-M	Muscle	Primary	7440-43-9	Cadmium	0.0510	0.10	MDL	ug/g	Wet Wt	1			12/5/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1325
EDC00-01	E0001848	6541-M	Muscle	Primary	7440-50-8	Copper	1.20	0.10	MDL	ug/g	Wet Wt	1			12/5/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1325
EDC00-01	E0001848	6541-M	Muscle	Primary	7439-89-6	Iron	67.00	0.50	MDL	ug/g	Wet Wt	1			12/5/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1325
EDC00-01	E0001848	6541-M	Muscle	Primary	7439-96-5	Manganese	1.40	0.10	MDL	ug/g	Wet Wt	1			12/5/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1325
EDC00-01	E0001848	6541-M	Muscle	Primary	7439-98-7	Molybdenum	0.0594	0.10	MDL	ug/g	Wet Wt	1			12/5/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1325
EDC00-01	E0001848	6541-M	Muscle	Primary	7439-92-1	Lead	0.346	0.50	MDL	ug/g	Wet Wt	1			12/5/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1325
EDC00-01	E0001848	6541-M	Muscle	Primary	7440-66-6	Zinc	45.00	0.10	MDL	ug/g	Wet Wt	10			12/5/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1540
EOT00-04	E0001606	302-0-012249-L	Liver	Primary	7440-43-9	Cadmium	0.21	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1328
EOT00-04	E0001606	302-0-012249-L	Liver	Primary	7440-50-8	Copper	31.00	0.10	MDL	ug/g	Wet Wt	10			10/31/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1543
EOT00-04	E0001606	302-0-012249-L	Liver	Primary	7439-89-6	Iron	140.00	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1328
EOT00-04	E0001606	302-0-012249-L	Liver	Primary	7439-96-5	Manganese	3.20	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1328
EOT00-04	E0001606	302-0-012249-L	Liver	Primary	7439-98-7	Molybdenum	1.10	0.10	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1328
EOT00-04	E0001606	302-0-012249-L	Liver	Primary	7439-92-1	Lead	-0.186	0.50	MDL	ug/g	Wet Wt	1			10/31/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1328
EOT00-04	E0001606	302-0-012249-L	Liver	Primary	7440-66-6	Zinc	22.00	0.10	MDL	ug/g	Wet Wt	10			10/31/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1543
EDC00-01	E0001848B	Laboratory Blank	Lab QC	BLANK	7440-43-9	Cadmium	0.0038	0.10	MDL	ug/g	Wet Wt	1			12/5/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1331
EDC00-01	E0001848B	Laboratory Blank	Lab QC	BLANK	7440-50-8	Copper	0.0024	0.10	MDL	ug/g	Wet Wt	1			12/5/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1331
EDC00-01	E0001848B	Laboratory Blank	Lab QC	BLANK	7439-89-6	Iron	0.0090	0.50	MDL	ug/g	Wet Wt	1			12/5/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1331
EDC00-01	E0001848B	Laboratory Blank	Lab QC	BLANK	7439-96-5	Manganese	0.0024	0.10	MDL	ug/g	Wet Wt	1			12/5/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1331

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TRACE METALS BY ICP
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UIASL Case #	UIASL Sample ID	Field Sample ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
EDC00-01	E0001848B	Laboratory Blank	Lab QC	BLANK	7439-98-7	Molybdenum	0.0078	0.10	MDL	ug/g	Wet Wt	1			12/5/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1331
EDC00-01	E0001848B	Laboratory Blank	Lab QC	BLANK	7439-92-1	Lead	0.0087	0.50	MDL	ug/g	Wet Wt	1			12/5/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1331
EDC00-01	E0001848B	Laboratory Blank	Lab QC	BLANK	7440-66-6	Zinc	0.0036	0.10	MDL	ug/g	Wet Wt	1			12/5/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1331
EDC00-01	E0001848BS	Lab. Blank Spike	Lab QC	BS	7440-43-9	Cadmium	95			%	Wet Wt	1			12/5/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1334
EDC00-01	E0001848SR	House Ref. Liver	Tissue	HRL	7440-43-9	Cadmium	49.00	0.10	MDL	ug/g	Wet Wt	1	54.3	90	12/5/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1337
EDC00-01	E0001848SR	House Ref. Liver	Tissue	HRL	7440-50-8	Copper	120.00	0.10	MDL	ug/g	Wet Wt	1	123	98	12/5/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1337
EDC00-01	E0001848SR	House Ref. Liver	Tissue	HRL	7439-89-6	Iron	170.00	0.50	MDL	ug/g	Wet Wt	1	183	93	12/5/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1337
EDC00-01	E0001848SR	House Ref. Liver	Tissue	HRL	7439-96-5	Manganese	11.00	0.10	MDL	ug/g	Wet Wt	1	10.1	109	12/5/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1337
EDC00-01	E0001848SR	House Ref. Liver	Tissue	HRL	7439-98-7	Molybdenum	3.20	0.10	MDL	ug/g	Wet Wt	1	3.17	101	12/5/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1337
EDC00-01	E0001848SR	House Ref. Liver	Tissue	HRL	7439-92-1	Lead	45.00	0.50	MDL	ug/g	Wet Wt	1	48	94	12/5/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1337
EDC00-01	E0001848SR	House Ref. Liver	Tissue	HRL	7440-66-6	Zinc	110.00	0.10	MDL	ug/g	Wet Wt	1	120	92	12/5/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1337
EDC00-01	E0001848CS	Check Standard	Lab QC	CS	7440-43-9	Cadmium	2.00	0.10	MDL	ug/g	Wet Wt	1	2	100	12/5/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1343
EDC00-01	E0001848CS	Check Standard	Lab QC	CS	7440-50-8	Copper	2.00	0.10	MDL	ug/g	Wet Wt	1	2	100	12/5/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1343
EDC00-01	E0001848CS	Check Standard	Lab QC	CS	7439-89-6	Iron	19.00	0.50	MDL	ug/g	Wet Wt	1	20	95	12/5/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1343
EDC00-01	E0001848CS	Check Standard	Lab QC	CS	7439-96-5	Manganese	2.00	0.10	MDL	ug/g	Wet Wt	1	2	100	12/5/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1343
EDC00-01	E0001848CS	Check Standard	Lab QC	CS	7439-98-7	Molybdenum	2.00	0.10	MDL	ug/g	Wet Wt	1	2	100	12/5/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1343
EDC00-01	E0001848CS	Check Standard	Lab QC	CS	7439-92-1	Lead	2.00	0.50	MDL	ug/g	Wet Wt	1	2	100	12/5/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1343
EDC00-01	E0001848CS	Check Standard	Lab QC	CS	7440-66-6	Zinc	2.00	0.10	MDL	ug/g	Wet Wt	1	2	100	12/5/2000	ICP - AES	HMICP_1-24-01	0124HMS	1/8/2001	1/24/2001	1343

*This is the date the report was issued. The analysis date was not available due to instrument reset at the time of analysis. Laboratory verified the samples were analyzed within holding time.

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MWH EDD - 1999-2000 ELK TISSUE DATA

MOISTURE CONTENT

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UISAMPLE	SUBSAMPLE	MATRIX	ANALYTE	RESULTS	EDL	UNITS	DATEREC	EDD Name
E0001845	3752-L	Liver	Moisture Content	71		%	12/5/2000	EDC0001
E0001846	0186-M	Muscle	Moisture Content	73		%	12/5/2000	EDC0001
E0001847	3289-L	Liver	Moisture Content	70		%	12/5/2000	EDC0001
E0001847-2	3289-L	Liver	Moisture Content	71		%	12/5/2000	EDC0001
E0001847-3	3289-L	Liver	Moisture Content	71		%	12/5/2000	EDC0001
E0001848	6541-M	Muscle	Moisture Content	75		%	12/5/2000	EDC0001
E0001848B	Laboratory Blank	BLANK	Moisture Content	0		%	12/5/2000	EDC0001
E0001848D	6541-M	Muscle	Moisture Content	76		%	12/5/2000	EDC0001
E0001643	302-0-002259-M	Muscle	Moisture Content	68		%	11/1/2000	ENV0001
E0001643B	Laboratory Blank	BLANK	Moisture Content	0		%	11/1/2000	ENV0001
E0001644	302-0-002259-L	Liver	Moisture Content	70		%	11/1/2000	ENV0001
E0001647	302-0-002592-M	Muscle	Moisture Content	74		%	11/1/2000	ENV0001
E0001647-2	302-0-002592-M	Muscle	Moisture Content	73		%	11/1/2000	ENV0001
E0001647-3	302-0-002592-M	Muscle	Moisture Content	73		%	11/1/2000	ENV0001
E0001648	302-0-002592-L	Liver	Moisture Content	70		%	11/1/2000	ENV0001
E0001648-2	302-0-002592-L	Liver	Moisture Content	69		%	11/1/2000	ENV0001
E0001648-3	302-0-002592-L	Liver	Moisture Content	69		%	11/1/2000	ENV0001
E0001649	302-0-002822-M	Muscle	Moisture Content	73		%	11/1/2000	ENV0001
E0001649D	302-0-002822-M	Muscle	Moisture Content	70		%	11/1/2000	ENV0001
E0001650	302-0-002822-L	Liver	Moisture Content	70		%	11/1/2000	ENV0001
E0001650B	Laboratory Blank	BLANK	Moisture Content	0		%	11/1/2000	ENV0001
E0001651	302-0-003080-M	Muscle	Moisture Content	76		%	11/1/2000	ENV0001
E0001652	302-0-003080-L	Liver	Moisture Content	71		%	11/1/2000	ENV0001
E0001655	302-0-003818-M	Muscle	Moisture Content	75		%	11/1/2000	ENV0001
E0001656	302-0-003818-L	Liver	Moisture Content	71		%	11/1/2000	ENV0001
E0001657	302-0-004374-M	Muscle	Moisture Content	73		%	11/1/2000	ENV0001
E0001658	302-0-004374-L	Liver	Moisture Content	71		%	11/1/2000	ENV0001
E0001669	302-0-007561-M	Muscle	Moisture Content	74		%	11/1/2000	ENV0001
E0001670	302-0-007561-L	Liver	Moisture Content	71		%	11/1/2000	ENV0001
E0001671	302-0-008196-M	Muscle	Moisture Content	72		%	11/1/2000	ENV0001
E0001672	302-0-008196-L	Liver	Moisture Content	69		%	11/1/2000	ENV0001

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MOISTURE CONTENT

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UISAMPLE	SUBSAMPLE	MATRIX	ANALYTE	RESULTS	EDL	UNITS	DATEREC	EDD Name
E0001672B	Laboratory Blank	BLANK	Moisture Content	0		%	11/1/2000	ENV0001
E0001672D	302-0-008196-L	Liver	Moisture Content	69		%	11/1/2000	ENV0001
E0001675	302-0-008950-M	Muscle	Moisture Content	73		%	11/1/2000	ENV0001
E0001676	302-0-008950-L	Liver	Moisture Content	72		%	11/1/2000	ENV0001
E0001683	302-0-010245-M	Muscle	Moisture Content	74		%	11/1/2000	ENV0001
E0001684	302-0-010245-L	Liver	Moisture Content	72		%	11/1/2000	ENV0001
E0001685	302-0-010754-M	Muscle	Moisture Content	75		%	11/1/2000	ENV0001
E0001686	302-0-010754-L	Liver	Moisture Content	70		%	11/1/2000	ENV0001
E0001691	302-0-011888-M	Muscle	Moisture Content	72		%	11/1/2000	ENV0001
E0001692	302-0-011888-L	Liver	Moisture Content	72		%	11/1/2000	ENV0001
E0001692D	302-0-011888-L	Liver	Moisture Content	71		%	11/1/2000	ENV0001
E0001695	302-0-012165-M	Muscle	Moisture Content	74		%	11/1/2000	ENV0001
E0001695-2	302-0-012165-M	Muscle	Moisture Content	67		%	11/1/2000	ENV0001
E0001695-3	302-0-012165-M	Muscle	Moisture Content	74		%	11/1/2000	ENV0001
E0001695B	Laboratory Blank	BLANK	Moisture Content	0		%	11/1/2000	ENV0001
E0001696	302-0-012165-L	Liver	Moisture Content	70		%	11/1/2000	ENV0001
E0001696-2	302-0-012165-L	Liver	Moisture Content	69		%	11/1/2000	ENV0001
E0001696-3	302-0-012165-L	Liver	Moisture Content	69		%	11/1/2000	ENV0001
E0001697	302-0-012171-M	Muscle	Moisture Content	69		%	11/1/2000	ENV0001
E0001698	302-0-012171-L	Liver	Moisture Content	69		%	11/1/2000	ENV0001
E0001713	352-0-001341-M	Muscle	Moisture Content	72		%	11/1/2000	ENV0001
E0001714	352-0-001341-L	Liver	Moisture Content	68		%	11/1/2000	ENV0001
E0001719	352-0-002110-M	Muscle	Moisture Content	74		%	11/1/2000	ENV0001
E0001720	352-0-002110-L	Liver	Moisture Content	67		%	11/1/2000	ENV0001
E0001721	352-0-002142-M	Muscle	Moisture Content	74		%	11/1/2000	ENV0001
E0001721B	Laboratory Blank	BLANK	Moisture Content	0		%	11/1/2000	ENV0001
E0001721D	3520-002142-M	Muscle	Moisture Content	75		%	11/1/2000	ENV0001
E0001722	352-0-002142-L	Liver	Moisture Content	71		%	11/1/2000	ENV0001
E0001723	352-0-002144-M	Muscle	Moisture Content	73		%	11/1/2000	ENV0001
E0001723-2	352-0-002144-M	Muscle	Moisture Content	72		%	11/1/2000	ENV0001
E0001723-3	352-0-002144-M	Muscle	Moisture Content	72		%	11/1/2000	ENV0001

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UISAMPLE	SUBSAMPLE	MATRIX	ANALYTE	RESULTS	EDL	UNITS	DATEREC	EDD Name
E0001724	352-0-002144-L	Liver	Moisture Content	72		%	11/1/2000	ENV0001
E0001724-2	352-0-002144-L	Liver	Moisture Content	71		%	11/1/2000	ENV0001
E0001724-3	352-0-002144-L	Liver	Moisture Content	72		%	11/1/2000	ENV0001
E0001727	352-0-002150-M	Muscle	Moisture Content	76		%	11/1/2000	ENV0001
E0001727D	352-0-002150-M	Muscle	Moisture Content	75		%	11/1/2000	ENV0001
E0001728	352-0-002150-L	Liver	Moisture Content	69		%	11/1/2000	ENV0001
E0001728B	Laboratory Blank	BLANK	Moisture Content	0		%	11/1/2000	ENV0001
E0001771	105-0-013352-M	Muscle	Moisture Content	74		%	11/7/2000	ENV0004
E0001771B	Laboratory Blank	BLANK	Moisture Content	0		%	11/7/2000	ENV0004
E0001772	105-0-013352-L	Liver	Moisture Content	72		%	11/7/2000	ENV0004
E0001775	402-0-001023-M	Muscle	Moisture Content	73		%	11/7/2000	ENV0004
E0001775-2	402-0-001023-M	Muscle	Moisture Content	72		%	11/7/2000	ENV0004
E0001775-3	402-0-001023-M	Muscle	Moisture Content	74		%	11/7/2000	ENV0004
E0001775B	Laboratory Blank	BLANK	Moisture Content	0		%	11/7/2000	ENV0004
E0001776	402-0-001023-L	Liver	Moisture Content	71		%	11/7/2000	ENV0004
E0001776-2	402-0-001023-L	Liver	Moisture Content	73		%	11/7/2000	ENV0004
E0001776-3	402-0-001023-L	Liver	Moisture Content	73		%	11/7/2000	ENV0004
E0001776B	Laboratory Blank	BLANK	Moisture Content	0		%	11/7/2000	ENV0004
E0001781	302-0-011386-M	Muscle	Moisture Content	65		%	11/7/2000	ENV0004
E0001782	302-0-011386-L	Liver	Moisture Content	71		%	11/7/2000	ENV0004
E0001782D	302-0-011386-L	Liver	Moisture Content	72		%	11/7/2000	ENV0004
E0001787	302-0-012005-M	Muscle	Moisture Content	75		%	11/7/2000	ENV0004
E0001788	302-0-012005-L	Liver	Moisture Content	72		%	11/7/2000	ENV0004
E0001788D	302-0-012005-L	Liver	Moisture Content	71		%	11/7/2000	ENV0004
E0001789	302-0-010102-M	Muscle	Moisture Content	73		%	11/7/2000	ENV0004
E0001790	302-0-010102-L	Liver	Moisture Content	70		%	11/7/2000	ENV0004
E0001793	302-0-012589-M	Muscle	Moisture Content	74		%	11/7/2000	ENV0004
E0001794	302-0-012589-L	Liver	Moisture Content	73		%	11/7/2000	ENV0004
E0001795	302-0-013359-M	Muscle	Moisture Content	73		%	11/7/2000	ENV0004
E0001796	302-0-013359-L	Liver	Moisture Content	72		%	11/7/2000	ENV0004
E0001796D	302-0-013359-L	Liver	Moisture Content	73		%	11/7/2000	ENV0004

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MWH EDD - 1999-2000 ELK TISSUE DATA

MOISTURE CONTENT

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UISAMPLE	SUBSAMPLE	MATRIX	ANALYTE	RESULTS	EDL	UNITS	DATEREC	EDD Name
E0001797	352-0-001809-M	Muscle	Moisture Content	68		%	11/7/2000	ENV0004
E0001797B	Laboratory Blank	BLANK	Moisture Content	0		%	11/7/2000	ENV0004
E0001798	352-0-001809-L	Liver	Moisture Content	70		%	11/7/2000	ENV0004
E0001798B	Laboratory Blank	BLANK	Moisture Content	0		%	11/7/2000	ENV0004
E0001799	352-0-001280-M	Muscle	Moisture Content	71		%	11/7/2000	ENV0004
E0001800	352-0-001280-L	Liver	Moisture Content	71		%	11/7/2000	ENV0004
E0001803	302-0-012912-M	Muscle	Moisture Content	72		%	11/7/2000	ENV0004
E0001804	302-0-012912-L	Liver	Moisture Content	69		%	11/7/2000	ENV0004
E0001807	302-0-012404-M	Muscle	Moisture Content	73		%	11/7/2000	ENV0004
E0001808	302-0-012404-L	Liver	Moisture Content	72		%	11/7/2000	ENV0004
E0001809	101-0-018283-M	Muscle	Moisture Content	69		%	11/7/2000	ENV0004
E0001809D	101-0-018283-M	Muscle	Moisture Content	65		%	11/7/2000	ENV0004
E0001810	101-0-018283-L	Liver	Moisture Content	73		%	11/7/2000	ENV0004
E0001811	302-0-011541-M	Muscle	Moisture Content	73		%	11/7/2000	ENV0004
E0001812	302-0-011541-L	Liver	Moisture Content	70		%	11/7/2000	ENV0004
E9901644	101-9-001192	Liver	Moisture Content	70		%	11/2/1999	ENV9901
E9901644-2	101-9-001192	Liver	Moisture Content	69		%	11/2/1999	ENV9901
E9901644-3	101-9-001192	Liver	Moisture Content	68		%	11/2/1999	ENV9901
E9901644B	Laboratory Blank	BLANK	Moisture Content	0		%	11/2/1999	ENV9901
E9901645	101-9-003744	Liver	Moisture Content	72		%	11/2/1999	ENV9901
E9901646	101-9-003836	Liver	Moisture Content	69		%	11/2/1999	ENV9901
E9901646D	101-9-003836	Liver	Moisture Content	70		%	11/2/1999	ENV9901
E9901648	101-9-008142	Liver	Moisture Content	73		%	11/2/1999	ENV9901
E9901649	101-9-009603	Liver	Moisture Content	73		%	11/2/1999	ENV9901
E9901650	101-9-011498	Liver	Moisture Content	74		%	11/2/1999	ENV9901
E9901651	101-9-011744	Liver	Moisture Content	71		%	11/2/1999	ENV9901
E9901653	101-9-015568	Liver	Moisture Content	71		%	11/2/1999	ENV9901
E9901654	101-9-016571	Liver	Moisture Content	69		%	11/2/1999	ENV9901
E9901655	101-9-019555	Liver	Moisture Content	71		%	11/2/1999	ENV9901
E9901656	101-9-020202	Liver	Moisture Content	72		%	11/2/1999	ENV9901
E9901659	101-9-022067	Liver	Moisture Content	71		%	11/2/1999	ENV9901

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UISAMPLE	SUBSAMPLE	MATRIX	ANALYTE	RESULTS	EDL	UNITS	DATEREC	EDD Name
E9901659D	101-9-022067	Liver	Moisture Content	72		%	11/2/1999	ENV9901
E9901660	101-9-024783	Liver	Moisture Content	71		%	11/2/1999	ENV9901
E9901660-2	101-9-024783	Liver	Moisture Content	69		%	11/2/1999	ENV9901
E9901660-3	101-9-024783	Liver	Moisture Content	71		%	11/2/1999	ENV9901
E9901661	101-9-024889	Liver	Moisture Content	68		%	11/2/1999	ENV9901
E9901661B	Laboratory Blank	BLANK	Moisture Content	0		%	11/2/1999	ENV9901
E9901662	101-9-025926	Liver	Moisture Content	69		%	11/2/1999	ENV9901
E9901663	101-9-026635	Liver	Moisture Content	70		%	11/2/1999	ENV9901
E9901664	101-9-028332	Liver	Moisture Content	69		%	11/2/1999	ENV9901
E9901665	101-9-028637	Liver	Moisture Content	71		%	11/2/1999	ENV9901
E9901666	101-9-032948	Liver	Moisture Content	72		%	11/2/1999	ENV9901
E9901667	101-9-033823	Liver	Moisture Content	70		%	11/2/1999	ENV9901
E9901668	101-9-034278	Liver	Moisture Content	73		%	11/2/1999	ENV9901
E9901669	101-9-048459	Liver	Moisture Content	70		%	11/2/1999	ENV9901
E9901669D	101-9-048459	Liver	Moisture Content	70		%	11/2/1999	ENV9901
E9901670	101-9-050246	Liver	Moisture Content	72		%	11/2/1999	ENV9901
E9901670-2	101-9-050246	Liver	Moisture Content	73		%	11/2/1999	ENV9901
E9901670-3	101-9-050246	Liver	Moisture Content	72		%	11/2/1999	ENV9901
E9901671	101-9-052544	Liver	Moisture Content	74		%	11/2/1999	ENV9901
E9901672	101-9-054687	Liver	Moisture Content	69		%	11/2/1999	ENV9901
E9901672-2	101-9-054687	Liver	Moisture Content	69		%	11/2/1999	ENV9901
E9901672-3	101-9-054687	Liver	Moisture Content	69		%	11/2/1999	ENV9901
E9901674	101-9-061415	Liver	Moisture Content	73		%	11/2/1999	ENV9901
E9901675	101-9-065581	Liver	Moisture Content	74		%	11/2/1999	ENV9901
E9901676	101-9-066053	Liver	Moisture Content	73		%	11/2/1999	ENV9901
E9901676D	101-9-066053	Liver	Moisture Content	72		%	11/2/1999	ENV9901
E9901677	101-9-067130	Liver	Moisture Content	68		%	11/2/1999	ENV9901
E9901678	101-9-067901	Liver	Moisture Content	70		%	11/2/1999	ENV9901
E9901679	101-9-069187	Liver	Moisture Content	81		%	11/2/1999	ENV9901
E9901680	101-9-072990	Liver	Moisture Content	72		%	11/2/1999	ENV9901
E9901681	101-9-074150	Liver	Moisture Content	71		%	11/2/1999	ENV9901

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UISAMPLE	SUBSAMPLE	MATRIX	ANALYTE	RESULTS	EDL	UNITS	DATEREC	EDD Name
E9901682	101-9-074844	Liver	Moisture Content	61		%	11/2/1999	ENV9901
E9901683	101-9-075567	Liver	Moisture Content	72		%	11/2/1999	ENV9901
E9901684	101-9-081312	Liver	Moisture Content	71		%	11/2/1999	ENV9901
E9901685	101-9-082092	Liver	Moisture Content	72		%	11/2/1999	ENV9901
E9901685-2	101-9-082092	Liver	Moisture Content	74		%	11/2/1999	ENV9901
E9901685-3	101-9-082092	Liver	Moisture Content	73		%	11/2/1999	ENV9901
E9901686	101-9-082893	Liver	Moisture Content	71		%	11/2/1999	ENV9901
E9901686D	101-9-082893	Liver	Moisture Content	72		%	11/2/1999	ENV9901
E9901687	101-9-083966	Liver	Moisture Content	65		%	11/2/1999	ENV9901
E9901687B	Laboratory Blank	BLANK	Moisture Content	0		%	11/2/1999	ENV9901
E9901688	102-9-000978	Liver	Moisture Content	74		%	11/2/1999	ENV9901
E9901689	102-9-003510	Liver	Moisture Content	72		%	11/2/1999	ENV9901
E9901691	102-9-008618	Liver	Moisture Content	69		%	11/2/1999	ENV9901
E9901694	102-9-009651	Liver	Moisture Content	78		%	11/2/1999	ENV9901
E9901695	102-9-010135	Liver	Moisture Content	70		%	11/2/1999	ENV9901
E9901696	102-9-010277	Liver	Moisture Content	71		%	11/2/1999	ENV9901
E9901697	102-9-010303	Liver	Moisture Content	72		%	11/2/1999	ENV9901
E9901698	102-9-012019	Liver	Moisture Content	70		%	11/2/1999	ENV9901
E9901699	104-9-001284	Liver	Moisture Content	76		%	11/2/1999	ENV9901
E9901699D	104-9-001284	Liver	Moisture Content	69		%	11/2/1999	ENV9901
E9901700	104-9-005505	Liver	Moisture Content	70		%	11/2/1999	ENV9901
E9901700-2	104-9-005505	Liver	Moisture Content	70		%	11/2/1999	ENV9901
E9901700-3	104-9-005505	Liver	Moisture Content	70		%	11/2/1999	ENV9901
E9901701	104-9-006297	Liver	Moisture Content	71		%	11/2/1999	ENV9901
E9901702	104-9-008160	Liver	Moisture Content	90		%	11/2/1999	ENV9901
E9901703	104-9-009499	Liver	Moisture Content	71		%	11/2/1999	ENV9901
E9901704	104-9-011485	Liver	Moisture Content	86		%	11/2/1999	ENV9901
E9901705	105-9-000606	Liver	Moisture Content	72		%	11/2/1999	ENV9901
E9901706	105-9-006076	Liver	Moisture Content	72		%	11/2/1999	ENV9901
E9901707	105-9-006125	Liver	Moisture Content	67		%	11/2/1999	ENV9901
E9901707-2	105-9-006125	Liver	Moisture Content	67		%	11/2/1999	ENV9901

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UISAMPLE	SUBSAMPLE	MATRIX	ANALYTE	RESULTS	EDL	UNITS	DATEREC	EDD Name
E9901707-3	105-9-006125	Liver	Moisture Content	67		%	11/2/1999	ENV9901
E9901708	106-9-001250	Liver	Moisture Content	68		%	11/2/1999	ENV9901
E9901711	106-9-006628	Liver	Moisture Content	70		%	11/2/1999	ENV9901
E9901711D	106-9-006628	Liver	Moisture Content	71		%	11/2/1999	ENV9901
E9901712	106-9-007118	Liver	Moisture Content	70		%	11/2/1999	ENV9901
E9901714	106-9-010309	Liver	Moisture Content	71		%	11/2/1999	ENV9901
E9901714B	Laboratory Blank	BLANK	Moisture Content	0		%	11/2/1999	ENV9901
E9901716	107-9-002807	Liver	Moisture Content	72		%	11/2/1999	ENV9901
E9901717	107-9-007918	Liver	Moisture Content	69		%	11/2/1999	ENV9901
E9901719	108-9-001232	Liver	Moisture Content	72		%	11/2/1999	ENV9901
E9901719D	108-9-001232	Liver	Moisture Content	72		%	11/2/1999	ENV9901
E9901721	108-9-003843	Liver	Moisture Content	71		%	11/2/1999	ENV9901
E9901723	108-9-005351	Liver	Moisture Content	67		%	11/2/1999	ENV9901
E9901724	112-9-000623	Liver	Moisture Content	71		%	11/2/1999	ENV9901
E9901725	125-9-001720	Liver	Moisture Content	69		%	11/2/1999	ENV9901
E9901726	125-9-002440	Liver	Moisture Content	72		%	11/2/1999	ENV9901
E9901727	125-9-000899	Liver	Moisture Content	72		%	11/2/1999	ENV9901
E9901728	202-9-003468	Liver	Moisture Content	71		%	11/2/1999	ENV9901
E9901728-2	202-9-003468	Liver	Moisture Content	71		%	11/2/1999	ENV9901
E9901728-3	202-9-003468	Liver	Moisture Content	70		%	11/2/1999	ENV9901
E9901729	202-9-003786	Liver	Moisture Content	75		%	11/2/1999	ENV9901
E9901730	202-9-005862	Liver	Moisture Content	67		%	11/2/1999	ENV9901
E9901730-2	202-9-005862	Liver	Moisture Content	66		%	11/2/1999	ENV9901
E9901730-3	202-9-005862	Liver	Moisture Content	67		%	11/2/1999	ENV9901
E9901731	202-9-007411	Liver	Moisture Content	69		%	11/2/1999	ENV9901
E9901733	202-9-502746	Liver	Moisture Content	70		%	11/2/1999	ENV9901
E9901734	218-9-000273	Liver	Moisture Content	71		%	11/2/1999	ENV9901
E9901736	352-9-000257	Liver	Moisture Content	69		%	11/2/1999	ENV9901
E9901737	803-9-00600	Liver	Moisture Content	69		%	11/2/1999	ENV9901
E9901737D	803-9-00600	Liver	Moisture Content	69		%	11/2/1999	ENV9901
E9901738	803-9-015407	Liver	Moisture Content	70		%	11/2/1999	ENV9901

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UISAMPLE	SUBSAMPLE	MATRIX	ANALYTE	RESULTS	EDL	UNITS	DATEREC	EDD Name
E9901738B	Laboratory Blank	BLANK	Moisture Content	0		%	11/2/1999	ENV9901
E9901741	101-9-001192	Muscle	Moisture Content	74		%	11/2/1999	ENV9901
E9901741-2	101-9-001192	Muscle	Moisture Content	72		%	11/2/1999	ENV9901
E9901741-3	101-9-001192	Muscle	Moisture Content	72		%	11/2/1999	ENV9901
E9901743	101-9-003744	Muscle	Moisture Content	75		%	11/2/1999	ENV9901
E9901744	101-9-003836	Muscle	Moisture Content	72		%	11/2/1999	ENV9901
E9901747	101-9-008142	Muscle	Moisture Content	71		%	11/2/1999	ENV9901
E9901748	101-9-009603	Muscle	Moisture Content	72		%	11/2/1999	ENV9901
E9901749	101-9-011498	Muscle	Moisture Content	74		%	11/2/1999	ENV9901
E9901750	101-9-011744	Muscle	Moisture Content	76		%	11/2/1999	ENV9901
E9901755	101-9-015568	Muscle	Moisture Content	74		%	11/2/1999	ENV9901
E9901756	101-9-016571	Muscle	Moisture Content	75		%	11/2/1999	ENV9901
E9901758	101-9-018227	Muscle	Moisture Content	69		%	11/2/1999	ENV9901
E9901760	101-9-020202	Muscle	Moisture Content	74		%	11/2/1999	ENV9901
E9901762	101-9-022067	Muscle	Moisture Content	70		%	11/2/1999	ENV9901
E9901763	101-9-024783	Muscle	Moisture Content	76		%	11/2/1999	ENV9901
E9901763-2	101-9-024783	Muscle	Moisture Content	76		%	11/2/1999	ENV9901
E9901763-3	101-9-024783	Muscle	Moisture Content	78		%	11/2/1999	ENV9901
E9901764	101-9-024889	Muscle	Moisture Content	73		%	11/2/1999	ENV9901
E9901764D	101-9-024889	Muscle	Moisture Content	73		%	11/2/1999	ENV9901
E9901765	101-9-025926	Muscle	Moisture Content	74		%	11/2/1999	ENV9901
E9901766	101-9-026635	Muscle	Moisture Content	69		%	11/2/1999	ENV9901
E9901766B	Laboratory Blank	BLANK	Moisture Content	0		%	11/2/1999	ENV9901
E9901768	101-9-028332	Muscle	Moisture Content	73		%	11/2/1999	ENV9901
E9901769	101-9-028637	Muscle	Moisture Content	72		%	11/2/1999	ENV9901
E9901770	101-9-033823	Muscle	Moisture Content	73		%	11/2/1999	ENV9901
E9901770D	101-9-033823	Muscle	Moisture Content	69		%	11/2/1999	ENV9901
E9901771	101-9-034278	Muscle	Moisture Content	73		%	11/2/1999	ENV9901
E9901774	101-9-048459	Muscle	Moisture Content	73		%	11/2/1999	ENV9901
E9901775	101-9-054687	Muscle	Moisture Content	74		%	11/2/1999	ENV9901
E9901775-2	101-9-054687	Muscle	Moisture Content	74		%	11/2/1999	ENV9901

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UISAMPLE	SUBSAMPLE	MATRIX	ANALYTE	RESULTS	EDL	UNITS	DATEREC	EDD Name
E9901775-3	101-9-054687	Muscle	Moisture Content	72		%	11/2/1999	ENV9901
E9901778	101-9-065581	Muscle	Moisture Content	73		%	11/2/1999	ENV9901
E9901779	101-9-066053	Muscle	Moisture Content	68		%	11/2/1999	ENV9901
E9901781	101-9-067130	Muscle	Moisture Content	76		%	11/2/1999	ENV9901
E9901784	101-9-067901	Muscle	Moisture Content	72		%	11/2/1999	ENV9901
E9901786	101-9-069187	Muscle	Moisture Content	75		%	11/2/1999	ENV9901
E9901786D	101-9-069187	Muscle	Moisture Content	75		%	11/2/1999	ENV9901
E9901787	101-9-072990	Muscle	Moisture Content	73		%	11/2/1999	ENV9901
E9901788	101-9-075567	Muscle	Moisture Content	73		%	11/2/1999	ENV9901
E9901790	101-9-081312	Muscle	Moisture Content	69		%	11/2/1999	ENV9901
E9901791	101-9-082092	Muscle	Moisture Content	72		%	11/2/1999	ENV9901
E9901791-2	101-9-082092	Muscle	Moisture Content	73		%	11/2/1999	ENV9901
E9901791-3	101-9-082092	Muscle	Moisture Content	72		%	11/2/1999	ENV9901
E9901793	101-9-082893	Muscle	Moisture Content	73		%	11/2/1999	ENV9901
E9901793B	Laboratory Blank	BLANK	Moisture Content	0		%	11/2/1999	ENV9901
E9901794	101-9-083966	Muscle	Moisture Content	64		%	11/2/1999	ENV9901
E9901794B	Laboratory Blank	BLANK	Moisture Content	0		%	11/2/1999	ENV9901
E9901807	102-9-010135	Muscle	Moisture Content	75		%	11/2/1999	ENV9901
E9901808	102-9-010277	Muscle	Moisture Content	74		%	11/2/1999	ENV9901
E9901809	102-9-010303	Muscle	Moisture Content	73		%	11/2/1999	ENV9901
E9901809D	102-9-010303	Muscle	Moisture Content	75		%	11/2/1999	ENV9901
E9901813	102-9-012019	Muscle	Moisture Content	74		%	11/2/1999	ENV9901
E9901814	104-9-001284	Muscle	Moisture Content	75		%	11/2/1999	ENV9901
E9901815	104-9-005505	Muscle	Moisture Content	74		%	11/2/1999	ENV9901
E9901815-2	104-9-005505	Muscle	Moisture Content	74		%	11/2/1999	ENV9901
E9901815-3	104-9-005505	Muscle	Moisture Content	71		%	11/2/1999	ENV9901
E9901817	104-9-009499	Muscle	Moisture Content	76		%	11/2/1999	ENV9901
E9901819	105-9-000606	Muscle	Moisture Content	73		%	11/2/1999	ENV9901
E9901820	105-9-006076	Muscle	Moisture Content	75		%	11/2/1999	ENV9901
E9901821	105-9-006125	Muscle	Moisture Content	72		%	11/2/1999	ENV9901
E9901821-2	105-9-006125	Muscle	Moisture Content	72		%	11/2/1999	ENV9901

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UISAMPLE	SUBSAMPLE	MATRIX	ANALYTE	RESULTS	EDL	UNITS	DATEREC	EDD Name
E9901821-3	105-9-006125	Muscle	Moisture Content	72		%	11/2/1999	ENV9901
E9901823	106-9-001250	Muscle	Moisture Content	74		%	11/2/1999	ENV9901
E9901824	106-9-006628	Muscle	Moisture Content	74		%	11/2/1999	ENV9901
E9901827	106-9-010309	Muscle	Moisture Content	72		%	11/2/1999	ENV9901
E9901827D	106-9-010309	Muscle	Moisture Content	72		%	11/2/1999	ENV9901
E9901829	107-9-002807	Muscle	Moisture Content	76		%	11/2/1999	ENV9901
E9901830	107-9-007918	Muscle	Moisture Content	74		%	11/2/1999	ENV9901
E9901832	108-9-001128	Muscle	Moisture Content	70		%	11/2/1999	ENV9901
E9901833	108-9-001232	Muscle	Moisture Content	73		%	11/2/1999	ENV9901
E9901835	108-9-003843	Muscle	Moisture Content	69		%	11/2/1999	ENV9901
E9901835B	Laboratory Blank	BLANK	Moisture Content	0		%	11/2/1999	ENV9901
E9901837	108-9-005351	Muscle	Moisture Content	76		%	11/2/1999	ENV9901
E9901838	112-9-000623	Muscle	Moisture Content	77		%	11/2/1999	ENV9901
E9901838D	112-9-000623	Muscle	Moisture Content	76		%	11/2/1999	ENV9901
E9901839	125-9-001720	Muscle	Moisture Content	72		%	11/2/1999	ENV9901
E9901840	125-9-002440	Muscle	Moisture Content	70		%	11/2/1999	ENV9901
E9901842	202-9-005862	Muscle	Moisture Content	74		%	11/2/1999	ENV9901
E9901842-2	202-9-005862	Muscle	Moisture Content	75		%	11/2/1999	ENV9901
E9901842-3	202-9-005862	Muscle	Moisture Content	74		%	11/2/1999	ENV9901
E9901844	202-9-007411	Muscle	Moisture Content	73		%	11/2/1999	ENV9901
E9901845	202-9-502746	Muscle	Moisture Content	66		%	11/2/1999	ENV9901
E9901846	202-9-502746	Muscle	Moisture Content	64		%	11/2/1999	ENV9901
E9901849	803-9-00600	Muscle	Moisture Content	73		%	11/2/1999	ENV9901
E9901891	101-9-000540	Liver	Moisture Content	71		%	11/12/1999	ENV9903
E9901891B	Laboratory Blank	BLANK	Moisture Content	0		%	11/12/1999	ENV9903
E9901892	101-9-001509	Liver	Moisture Content	66		%	11/12/1999	ENV9903
E9901893	101-9-003717	Liver	Moisture Content	67		%	11/12/1999	ENV9903
E9901894	101-9-003781	Liver	Moisture Content	72		%	11/12/1999	ENV9903
E9901895	101-9-005127	Liver	Moisture Content	67		%	11/12/1999	ENV9903
E9901896	101-9-006611	Liver	Moisture Content	71		%	11/12/1999	ENV9903
E9901897	101-9-006617	Liver	Moisture Content	68		%	11/12/1999	ENV9903

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UISAMPLE	SUBSAMPLE	MATRIX	ANALYTE	RESULTS	EDL	UNITS	DATEREC	EDD Name
E9901897-2	101-9-006617	Liver	Moisture Content	69		%	11/12/1999	ENV9903
E9901897-3	101-9-006617	Liver	Moisture Content	69		%	11/12/1999	ENV9903
E9901899	101-9-009231	Liver	Moisture Content	70		%	11/12/1999	ENV9903
E9901900	101-9-009926	Liver	Moisture Content	68		%	11/12/1999	ENV9903
E9901901	101-9-010800	Liver	Moisture Content	73		%	11/12/1999	ENV9903
E9901902	101-9-012050	Liver	Moisture Content	74		%	11/12/1999	ENV9903
E9901903	101-9-018310	Liver	Moisture Content	70		%	11/12/1999	ENV9903
E9901904	101-9-018408	Liver	Moisture Content	71		%	11/12/1999	ENV9903
E9901905	101-9-020486	Liver	Moisture Content	71		%	11/12/1999	ENV9903
E9901906	101-9-020534	Liver	Moisture Content	71		%	11/12/1999	ENV9903
E9901907	101-9-021815	Liver	Moisture Content	70		%	11/12/1999	ENV9903
E9901908	101-9-023207	Liver	Moisture Content	70		%	11/12/1999	ENV9903
E9901909	101-9-025256	Liver	Moisture Content	66		%	11/12/1999	ENV9903
E9901909-2	101-9-025256	Liver	Moisture Content	67		%	11/12/1999	ENV9903
E9901909-3	101-9-025256	Liver	Moisture Content	68		%	11/12/1999	ENV9903
E9901911	101-9-026427	Liver	Moisture Content	70		%	11/12/1999	ENV9903
E9901911D	101-9-026427	Liver	Moisture Content	70		%	11/12/1999	ENV9903
E9901912	101-9-035622	Liver	Moisture Content	74		%	11/12/1999	ENV9903
E9901913	101-9-040872	Liver	Moisture Content	70		%	11/12/1999	ENV9903
E9901915	101-9-041629	Liver	Moisture Content	72		%	11/12/1999	ENV9903
E9901916	101-9-045262	Liver	Moisture Content	70		%	11/12/1999	ENV9903
E9901917	101-9-055718	Liver	Moisture Content	69		%	11/12/1999	ENV9903
E9901918	101-9-057289	Liver	Moisture Content	69		%	11/12/1999	ENV9903
E9901920	101-9-059906	Liver	Moisture Content	70		%	11/12/1999	ENV9903
E9901923	101-9-060482	Liver	Moisture Content	71		%	11/12/1999	ENV9903
E9901924	101-9-062127	Liver	Moisture Content	71		%	11/12/1999	ENV9903
E9901924D	101-9-062127	Liver	Moisture Content	70		%	11/12/1999	ENV9903
E9901925	101-9-062802	Liver	Moisture Content	71		%	11/12/1999	ENV9903
E9901925-2	101-9-062802	Liver	Moisture Content	72		%	11/12/1999	ENV9903
E9901925-3	101-9-062802	Liver	Moisture Content	70		%	11/12/1999	ENV9903
E9901926	101-9-063339	Liver	Moisture Content	74		%	11/12/1999	ENV9903

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MWH EDD - 1999-2000 ELK TISSUE DATA

MOISTURE CONTENT

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UISAMPLE	SUBSAMPLE	MATRIX	ANALYTE	RESULTS	EDL	UNITS	DATEREC	EDD Name
E9901927	101-9-064273	Liver	Moisture Content	72		%	11/12/1999	ENV9903
E9901927D	101-9-064273	Liver	Moisture Content	71		%	11/12/1999	ENV9903
E9901928	101-9-069460	Liver	Moisture Content	72		%	11/12/1999	ENV9903
E9901930	101-9-072423	Liver	Moisture Content	71		%	11/12/1999	ENV9903
E9901931	101-9-073654	Liver	Moisture Content	71		%	11/12/1999	ENV9903
E9901932	101-9-075445	Liver	Moisture Content	72		%	11/12/1999	ENV9903
E9901935	101-9-081257	Liver	Moisture Content	65		%	11/12/1999	ENV9903
E9901936	101-9-082849	Liver	Moisture Content	69		%	11/12/1999	ENV9903
E9901936-2	101-9-082849	Liver	Moisture Content	65		%	11/12/1999	ENV9903
E9901936-3	101-9-082849	Liver	Moisture Content	69		%	11/12/1999	ENV9903
E9901937	101-9-084603	Liver	Moisture Content	70		%	11/12/1999	ENV9903
E9901938	102-9-005611	Liver	Moisture Content	64		%	11/12/1999	ENV9903
E9901939	102-9-007374	Liver	Moisture Content	71		%	11/12/1999	ENV9903
E9901939D	102-9-007374	Liver	Moisture Content	72		%	11/12/1999	ENV9903
E9901940	102-9-009310	Liver	Moisture Content	71		%	11/12/1999	ENV9903
E9901944	102-9-012285	Liver	Moisture Content	74		%	11/12/1999	ENV9903
E9901946	104-9-004294	Liver	Moisture Content	72		%	11/12/1999	ENV9903
E9901947	104-9-006924	Liver	Moisture Content	72		%	11/12/1999	ENV9903
E9901948	104-9-007653	Liver	Moisture Content	71		%	11/12/1999	ENV9903
E9901949	104-9-009086	Liver	Moisture Content	75		%	11/12/1999	ENV9903
E9901950	104-9-014257	Liver	Moisture Content	74		%	11/12/1999	ENV9903
E9901953	106-9-000834	Liver	Moisture Content	68		%	11/12/1999	ENV9903
E9901954	106-9-002669	Liver	Moisture Content	71		%	11/12/1999	ENV9903
E9901954-2	106-9-002669	Liver	Moisture Content	72		%	11/12/1999	ENV9903
E9901954-3	106-9-002669	Liver	Moisture Content	73		%	11/12/1999	ENV9903
E9901955	106-9-009604	Liver	Moisture Content	72		%	11/12/1999	ENV9903
E9901956	106-9-009855	Liver	Moisture Content	67		%	11/12/1999	ENV9903
E9901956D	106-9-009855	Liver	Moisture Content	67		%	11/12/1999	ENV9903
E9901957	107-7-61023	Liver	Moisture Content	76		%	11/12/1999	ENV9903
E9901957B	Laboratory Blank	BLANK	Moisture Content	0		%	11/12/1999	ENV9903
E9901958	107-9-002888	Liver	Moisture Content	71		%	11/12/1999	ENV9903

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MOISTURE CONTENT

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UISAMPLE	SUBSAMPLE	MATRIX	ANALYTE	RESULTS	EDL	UNITS	DATEREC	EDD Name
E9901960	107-9-007770	Liver	Moisture Content	70		%	11/12/1999	ENV9903
E9901961	108-9-001128	Liver	Moisture Content	65		%	11/12/1999	ENV9903
E9901962	108-9-001165	Liver	Moisture Content	72		%	11/12/1999	ENV9903
E9901963	108-9-001269	Liver	Moisture Content	72		%	11/12/1999	ENV9903
E9901964	108-9-004060	Liver	Moisture Content	72		%	11/12/1999	ENV9903
E9901965	108-9-004918	Liver	Moisture Content	72		%	11/12/1999	ENV9903
E9901966	108-9-005208	Liver	Moisture Content	71		%	11/12/1999	ENV9903
E9901966D	108-9-005208	Liver	Moisture Content	75		%	11/12/1999	ENV9903
E9901967	108-9-005350	Liver	Moisture Content	71		%	11/12/1999	ENV9903
E9901968	116-9-9108	Liver	Moisture Content	69		%	11/12/1999	ENV9903
E9901969	116-9-9109	Liver	Moisture Content	70		%	11/12/1999	ENV9903
E9901970	125-9-001223	Liver	Moisture Content	71		%	11/12/1999	ENV9903
E9901971	202-9-003457	Liver	Moisture Content	69		%	11/12/1999	ENV9903
E9901972	202-9-508864	Liver	Moisture Content	71		%	11/12/1999	ENV9903
E9901976	101-9-003717	Muscle	Moisture Content	70		%	11/12/1999	ENV9903
E9901977	101-9-003781	Muscle	Moisture Content	70		%	11/12/1999	ENV9903
E9901978	101-9-005127	Muscle	Moisture Content	70		%	11/12/1999	ENV9903
E9901979	101-9-010800	Muscle	Moisture Content	76		%	11/12/1999	ENV9903
E9901979D	101-9-010800	Muscle	Moisture Content	75		%	11/12/1999	ENV9903
E9901985	101-9-045262	Muscle	Moisture Content	73		%	11/12/1999	ENV9903
E9901987	101-9-064273	Muscle	Moisture Content	74		%	11/12/1999	ENV9903
E9901990	101-9-081257	Muscle	Moisture Content	69		%	11/12/1999	ENV9903
E9901994	102-9-007374	Muscle	Moisture Content	74		%	11/12/1999	ENV9903
E9901996	102-9-009310	Muscle	Moisture Content	72		%	11/12/1999	ENV9903
E9902001	104-9-004294	Muscle	Moisture Content	73		%	11/12/1999	ENV9903
E9902002	104-9-006297	Muscle	Moisture Content	73		%	11/12/1999	ENV9903
E9902003	104-9-014257	Muscle	Moisture Content	69		%	11/12/1999	ENV9903
E9902005	106-9-000834	Muscle	Moisture Content	74		%	11/12/1999	ENV9903
E9902006	108-9-005350	Muscle	Moisture Content	74		%	11/12/1999	ENV9903
E9902006D	108-9-005350	Muscle	Moisture Content	75		%	11/12/1999	ENV9903
E9902007	202-9-003457	Muscle	Moisture Content	75		%	11/12/1999	ENV9903

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MWH EDD - 1999-2000 ELK TISSUE DATA

MOISTURE CONTENT

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UISAMPLE	SUBSAMPLE	MATRIX	ANALYTE	RESULTS	EDL	UNITS	DATEREC	EDD Name
E9902008	104-9-006924	Muscle	Moisture Content	70		%	11/12/1999	ENV9903
E9902009	108-9-005208	Muscle	Moisture Content	73		%	11/12/1999	ENV9903
E9901914	101-9-041577	Liver	Moisture Content	70		%	11/12/1999	ENV9903P
E9901929	101-9-069462	Liver	Moisture Content	67		%	11/12/1999	ENV9903P
E9901929D	101-9-069462	Liver	Moisture Content	67		%	11/12/1999	ENV9903P
E9901943	102-9-011973	Liver	Moisture Content	71		%	11/12/1999	ENV9903P
E9901943-2	102-9-011973	Liver	Moisture Content	71		%	11/12/1999	ENV9903P
E9901943-3	102-9-011973	Liver	Moisture Content	70		%	11/12/1999	ENV9903P
E9901951	105-9-004447	Liver	Moisture Content	70		%	11/12/1999	ENV9903P
E9901984	101-9-041577	Muscle	Moisture Content	72		%	11/12/1999	ENV9903P
E9901989	101-9-069462	Muscle	Moisture Content	69		%	11/12/1999	ENV9903P
E9902000	102-9-011973	Muscle	Moisture Content	73		%	11/12/1999	ENV9903P
E9902000-2	102-9-011973	Muscle	Moisture Content	73		%	11/12/1999	ENV9903P
E9902000-3	102-9-011973	Muscle	Moisture Content	72		%	11/12/1999	ENV9903P
E9902004	105-9-004447	Muscle	Moisture Content	72		%	11/12/1999	ENV9903P
E0001553	302-0-011848-M	Muscle	Moisture Content	75		%	10/31/2000	EOT0004
E0001553-2	302-0-011848-M	Muscle	Moisture Content	76		%	10/31/2000	EOT0004
E0001553-3	302-0-011848-M	Muscle	Moisture Content	74		%	10/31/2000	EOT0004
E0001553B	Laboratory Blank	BLANK	Moisture Content	0		%	10/31/2000	EOT0004
E0001554	302-0-011848-L	Liver	Moisture Content	71		%	10/31/2000	EOT0004
E0001554-2	302-0-011848-L	Liver	Moisture Content	73			10/31/2000	EOT0004
E0001554-3	302-0-011848-L	Liver	Moisture Content	73		%	10/31/2000	EOT0004
E0001555	302-0-006362-M	Muscle	Moisture Content	69		%	10/31/2000	EOT0004
E0001556	302-0-006362-L	Liver	Moisture Content	69		%	10/31/2000	EOT0004
E0001556D	302-0-006362-L	Liver	Moisture Content	69		%	10/31/2000	EOT0004
E0001571	302-0-005201-M	Muscle	Moisture Content	74		%	10/31/2000	EOT0004
E0001572	302-0-005201-L	Liver	Moisture Content	70		%	10/31/2000	EOT0004
E0001573	302-0-012071-M	Muscle	Moisture Content	70		%	10/31/2000	EOT0004
E0001574	302-0-012071-L	Liver	Moisture Content	69		%	10/31/2000	EOT0004
E0001575	352-0-002103-M	Muscle	Moisture Content	71		%	10/31/2000	EOT0004
E0001576	352-0-002103-L	Liver	Moisture Content	74		%	10/31/2000	EOT0004

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MOISTURE CONTENT

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UISAMPLE	SUBSAMPLE	MATRIX	ANALYTE	RESULTS	EDL	UNITS	DATEREC	EDD Name
E0001581	352-0-002194-M	Muscle	Moisture Content	75		%	10/31/2000	EOT0004
E0001581B	Laboratory Blank	BLANK	Moisture Content	0		%	10/31/2000	EOT0004
E0001581D	352-0-002194-M	Muscle	Moisture Content	76		%	10/31/2000	EOT0004
E0001582	352-0-002194-L	Liver	Moisture Content	71		%	10/31/2000	EOT0004
E0001587	302-0-012320-M	Muscle	Moisture Content	76		%	10/31/2000	EOT0004
E0001588	302-0-012320-L	Liver	Moisture Content	71		%	10/31/2000	EOT0004
E0001591	352-0-002092-M	Muscle	Moisture Content	71		%	10/31/2000	EOT0004
E0001592	352-0-002092-L	Liver	Moisture Content	69		%	10/31/2000	EOT0004
E0001593	302-0-004558-M	Muscle	Moisture Content	73		%	10/31/2000	EOT0004
E0001594	302-0-004558-L	Liver	Moisture Content	75		%	10/31/2000	EOT0004
E0001594B	Laboratory Blank	BLANK	Moisture Content	0		%	10/31/2000	EOT0004
E0001594D	302-0-004558-L	Liver	Moisture Content	74		%	10/31/2000	EOT0004
E0001595	302-0-006834-M	Muscle	Moisture Content	76		%	10/31/2000	EOT0004
E0001596	302-0-006834-L	Liver	Moisture Content	72		%	10/31/2000	EOT0004
E0001597	302-0-002305-M	Muscle	Moisture Content	74		%	10/31/2000	EOT0004
E0001597-2	302-0-002305-M	Muscle	Moisture Content	74		%	10/31/2000	EOT0004
E0001597-3	302-0-002305-M	Muscle	Moisture Content	74		%	10/31/2000	EOT0004
E0001598	302-0-002305-L	Liver	Moisture Content	72		%	10/31/2000	EOT0004
E0001598-2	302-0-002305-L	Liver	Moisture Content	71		%	10/31/2000	EOT0004
E0001598-3	302-0-002305-L	Liver	Moisture Content	71		%	10/31/2000	EOT0004
E0001603	352-0-002177-M	Muscle	Moisture Content	76		%	10/31/2000	EOT0004
E0001603-2	352-0-002177-M	Muscle	Moisture Content	76		%	10/31/2000	EOT0004
E0001603-3	352-0-002177-M	Muscle	Moisture Content	76		%	10/31/2000	EOT0004
E0001604	352-0-002177-L	Liver	Moisture Content	73		%	10/31/2000	EOT0004
E0001604-2	352-0-002177-L	Liver	Moisture Content	74		%	10/31/2000	EOT0004
E0001604-3	352-0-002177-L	Liver	Moisture Content	73		%	10/31/2000	EOT0004
E0001605	302-0-012249-M	Muscle	Moisture Content	75		%	10/31/2000	EOT0004
E0001606	302-0-012249-L	Liver	Moisture Content	68		%	10/31/2000	EOT0004
E0001606B	Laboratory Blank	BLANK	Moisture Content	0		%	10/31/2000	EOT0004
E0001606D	302-0-012249-L	Liver	Moisture Content	68		%	10/31/2000	EOT0004
E0001607	302-0-008702-M	Muscle	Moisture Content	72		%	10/31/2000	EOT0004

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MOISTURE CONTENT

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UISAMPLE	SUBSAMPLE	MATRIX	ANALYTE	RESULTS	EDL	UNITS	DATEREC	EDD Name
E0001608	302-0-008702-L	Liver	Moisture Content	72		%	10/31/2000	EOT0004
E0001609	302-0-008085-M	Muscle	Moisture Content	75		%	10/31/2000	EOT0004
E0001610	302-0-008085-L	Liver	Moisture Content	75		%	10/31/2000	EOT0004
E0001611	302-0-007469-M	Muscle	Moisture Content	77		%	10/31/2000	EOT0004
E0001612	302-0-007469-L	Liver	Moisture Content	71		%	10/31/2000	EOT0004
E0001615	302-0-002468-M	Muscle	Moisture Content	69		%	10/31/2000	EOT0004
E0001616	302-0-002468-L	Liver	Moisture Content	65		%	10/31/2000	EOT0004
E0001619	302-0-007359-M	Muscle	Moisture Content	75		%	10/31/2000	EOT0004
E0001619D	302-0-007359-M	Muscle	Moisture Content	75		%	10/31/2000	EOT0004
E0001620	302-0-007359-L	Liver	Moisture Content	72		%	10/31/2000	EOT0004
E0001620B	Laboratory Blank	BLANK	Moisture Content	0		%	10/31/2000	EOT0004
E9901850	101-9-018227	Liver	Moisture Content	73		%	11/2/1999	EVN9901
E9901647	101-9-007510	Liver	Moisture Content	70		%	11/2/1999	EVN9901P
E9901647-2	101-9-007510	Liver	Moisture Content	70		%	11/2/1999	EVN9901P
E9901647-3	101-9-007510	Liver	Moisture Content	69		%	11/2/1999	EVN9901P
E9901652	101-9-013229	Liver	Moisture Content	72		%	11/2/1999	EVN9901P
E9901652D	101-9-013229	Liver	Moisture Content	73		%	11/2/1999	EVN9901P
E9901657	101-9-020457	Liver	Moisture Content	72		%	11/2/1999	EVN9901P
E9901673	101-9-057366	Liver	Moisture Content	65		%	11/2/1999	EVN9901P
E9901690	102-9-003525	Liver	Moisture Content	72		%	11/2/1999	EVN9901P
E9901692	102-9-008730	Liver	Moisture Content	71		%	11/2/1999	EVN9901P
E9901693	102-9-009184	Liver	Moisture Content	71		%	11/2/1999	EVN9901P
E9901713	106-9-009470	Liver	Moisture Content	69		%	11/2/1999	EVN9901P
E9901715	107-9-001328	Liver	Moisture Content	66		%	11/2/1999	EVN9901P
E9901718	107-9-008536	Liver	Moisture Content	69		%	11/2/1999	EVN9901P
E9901718D	107-9-008536	Liver	Moisture Content	69		%	11/2/1999	EVN9901P
E9901722	108-9-004804	Liver	Moisture Content	68		%	11/2/1999	EVN9901P
E9901745	101-9-007510	Muscle	Moisture Content	73		%	11/2/1999	EVN9901P
E9901745-2	101-9-007510	Muscle	Moisture Content	72		%	11/2/1999	EVN9901P
E9901745-3	101-9-007510	Muscle	Moisture Content	73		%	11/2/1999	EVN9901P
E9901752	101-9-013229	Muscle	Moisture Content	68		%	11/2/1999	EVN9901P

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MOISTURE CONTENT

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UISAMPLE	SUBSAMPLE	MATRIX	ANALYTE	RESULTS	EDL	UNITS	DATEREC	EDD Name
E9901761	101-9-020457	Muscle	Moisture Content	76		%	11/2/1999	EVN9901P
E9901776	101-9-057366	Muscle	Moisture Content	70		%	11/2/1999	EVN9901P
E9901801	102-9-003525	Muscle	Moisture Content	73		%	11/2/1999	EVN9901P
E9901805	102-9-008730	Muscle	Moisture Content	73		%	11/2/1999	EVN9901P
E9901806	102-9-009184	Muscle	Moisture Content	68		%	11/2/1999	EVN9901P
E9901826	106-9-009470	Muscle	Moisture Content	75		%	11/2/1999	EVN9901P
E9901828	107-9-001328	Muscle	Moisture Content	74		%	11/2/1999	EVN9901P
E9901831	107-9-008536	Muscle	Moisture Content	73		%	11/2/1999	EVN9901P
E9901836	108-9-004804	Muscle	Moisture Content	72		%	11/2/1999	EVN9901P
E9901836D	108-9-004804	Muscle	Moisture Content	72		%	11/2/1999	EVN9901P

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ATTACHMENT B
EXAMPLE CALCULATIONS

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UIASL Case #	ENV99-01
Raw Data Batch	HMICP_12-2-99
Prep Batch	1130HMS/1130HMS2
Data Analyzed	12/2/1999

ICAL_0

	Seq_No	Rep_No	Ave.Int.	Seq_No	Rep_No	Ave.Int.	Seq_No	Rep_No	Ave.Int.	Final Ave Int
Molybdenum	472	1	7700	473	2	5323	474	3	7951	6991
Zinc	472	1	149053	473	2	146262	474	3	144743	146686
Cadmium	480	1	99567	481	2	97889	482	3	98200	98552
Lead	472	1	373	473	2	3841	474	3	3211	2475
Manganese	472	1	1956	473	2	1943	474	3	1929	1943
Iron	472	1	-196	473	2	-92	474	3	-191	-160
Copper	472	1	468	473	2	427	474	3	405	433

ICAL_High

	Seq_No	Rep_No	Ave.Int.	Seq_No	Rep_No	Ave.Int.	Seq_No	Rep_No	Ave.Int.	Final Ave Int
Molybdenum	475	1	116197	476	2	125436	474	3	124083	121905
Zinc	475	1	6440706	476	2	6514732	474	3	6334785	6430074
Cadmium	483	1	1254509	484	2	1271931	485	3	1264885	1263775
Lead	475	1	365197	476	2	366346	474	3	372025	367856
Manganese	475	1	332316	476	2	333788	474	3	329300	331801
Iron	475	1	126860	476	2	126979	474	3	125848	126562
Copper	475	1	352740	476	2	350035	474	3	339700	347492

ICAL Linear equation: y=mx +b

	[ICAL_0] (x_1)	[ICAL_High] (x_2)	ICAL_0_Resp (y_1)	ICAL_High_ Resp (y_2)	Slope (m)	Intercept (b)
Molybdenum	0	1	6991	121905	114914	6991
Zinc	0	5	146686	6430074	1256678	146686
Cadmium	0	1	98552	1263775	1165223	98552
Lead	0	5	2475	367856	73076	2475
Manganese	0	5	1943	331801	65972	1943
Iron	0	5	-160	126562	25344	-160
Copper	0	5	433	347492	69412	433

Abbreviations:

Seq_No	analytical sequence number
Rep_No	replicate number
Ave.Int.	average intensity (or instrument response)
Final Ave Int	final value used to establish calibration (average "Ave.Int." from 3 replicates)
[ICAL_0]	concentration of low-point calibration standard, µg/mL
[ICAL_High]	concentration of high-point calibration standard, µg/mL
**** Resp	instrument response (or intensity)
Ave_Resp	calculated average from 3 replicate values per analyte per sample (values embedded in cell to verify)
Init_mass	Initial mass of sample or QC sample in grams
Final_vol	final volume of digestate in milliliters
Conc.	calculated sample concentration in µg/g (confirms raw data)

Notes:

1. Per Section VI.I of SOP SMM.52.010.01, "Use two standards and three replicates."
2. "ICAL_0" (zero concentration) and "ICAL_High" are the two standards, each analyzed three times. The average intensity ("Ave. Int.") value used to create the two-point calibration.
3. Slope and intercept determined from 2-point calibration (not correlation coefficient).
4. Example calculation:

y = mx + b where: x = concentration, µg/mL
y = instrument response (unitless)

x = (y-b)/m

Example calculation (copper for UIASL No. E9901776):

Conc., µg/g = (Ave_Resp - Intercept)/Slope) µg/mL * (Final_vol) mL / (Init_mass) g

[Cu], ug/g = ((8680-433)/69412) * (10/0.9952)
1.194 µg/g

Results of Lab QC Samples and Field Sample (Lab ID)

	E9901776B (blank)					E9901776BS (blank spike)					E9901776SR (House Reference Liver)					E9901776 (elk muscle sample 101-9-057366)				
	Seq_No.	Ave_Resp	Init_mass (g)	Final_vol (mL)	Conc., µg/g	Seq_No.	Ave_Resp	Init_mass (g)	Final_vol (mL)	Conc., µg/g	Seq_No.	Ave_Resp	Init_mass (g)	Final_vol (mL)	Conc., µg/g	Seq_No.	Ave_Resp	Init_mass (g)	Final_vol (mL)	Conc., µg/g
Molybdenum	488	9014	1.0000	1.0000	0.0176	489	6837	1.0000	1.0000	-0.0013	490	19499	0.2722	10.0000	3.999	491	6469	0.9952	10.0000	-0.0457
Zinc	488	152318	1.0000	1.0000	0.0045	489	261868	1.0000	1.0000	0.0917	490	4605050	0.2722	10.0000	130.3	491	9085759	0.9952	10.0000	71.48
Cadmium	488	99403	1.0000	1.0000	0.0007	489	190323	1.0000	1.0000	0.0788	490	1991086	0.2722	10.0000	59.67	491	115082	0.9952	10.0000	0.1425
Lead	488	1799	1.0000	1.0000	-0.0093	489	3266	1.0000	1.0000	0.0108	490	107863	0.2722	10.0000	52.98	491	763	0.9952	10.0000	-0.2354
Manganese	488	1983	1.0000	1.0000	0.0006	489	7329	1.0000	1.0000	0.0817	490	23879	0.2722	10.0000	12.22	491	6265	0.9952	10.0000	0.6584
Iron	488	-21	1.0000	1.0000	0.0055	489	7969	1.0000	1.0000	0.3207	490	140273	0.2722	10.0000	203.6	491	100932	0.9952	10.0000	40.08
Copper	488	488	1.0000	1.0000	0.0008	489	642	1.0000	1.0000	0.0030	490	257970	0.2722	10.0000	136.3	491	8680	0.9952	10.0000	1.194

UIASL Case #	ENV99-01
Raw Data Batch	HMICP_12-2-99
Prep Batch	1130HMS/1130HMS2
Data Analyzed	12/2/1999

ICAL_0

	Seq_No	Rep_No	Ave.Int.	Seq_No	Rep_No	Ave.Int.	Seq_No	Rep_No	Ave.Int.	Final Ave Int
Molybdenum	472	1	7700	473	2	5323	474	3	7951	6991
Zinc	472	1	149053	473	2	146262	474	3	144743	146686
Cadmium	480	1	99567	481	2	97889	482	3	98200	98552
Lead	472	1	373	473	2	3841	474	3	3211	2475
Manganese	472	1	1956	473	2	1943	474	3	1929	1943
Iron	472	1	-196	473	2	-92	474	3	-191	-160
Copper	472	1	468	473	2	427	474	3	405	433

ICAL_High

	Seq_No	Rep_No	Ave.Int.	Seq_No	Rep_No	Ave.Int.	Seq_No	Rep_No	Ave.Int.	Final Ave Int
Molybdenum	475	1	116197	476	2	125436	474	3	124083	121905
Zinc	475	1	6440706	476	2	6514732	474	3	6334785	6430074
Cadmium	483	1	1254509	484	2	1271931	485	3	1264885	1263775
Lead	475	1	365197	476	2	366346	474	3	372025	367856
Manganese	475	1	332316	476	2	333788	474	3	329300	331801
Iron	475	1	126860	476	2	126979	474	3	125848	126562
Copper	475	1	352740	476	2	350035	474	3	339700	347492

ICAL Linear equation: y=mx +b

	[ICAL_0] (x_1)	[ICAL_High] (x_2)	ICAL_0_Resp (y_1)	ICAL_High_ Resp (y_2)	Slope (m)	Intercept (b)
Molybdenum	0	1	6991	121905	114914	6991
Zinc	0	5	146686	6430074	1256678	146686
Cadmium	0	1	98552	1263775	1165223	98552
Lead	0	5	2475	367856	73076	2475
Manganese	0	5	1943	331801	65972	1943
Iron	0	5	-160	126562	25344	-160
Copper	0	5	433	347492	69412	433

Abbreviations:

Seq_No	analytical sequence number
Rep_No	replicate number
Ave.Int.	average intensity (or instrument response)
Final Ave Int	final value used to establish calibration (average "Ave.Int." from 3 replicates)
[ICAL_0]	concentration of low-point calibration standard, µg/mL
[ICAL_High]	concentration of high-point calibration standard, µg/mL
**** Resp	instrument response (or intensity)
Ave_Resp	calculated average from 3 replicate values per analyte per sample (values embedded in cell to verify)
Init_mass	Initial mass of sample or QC sample in grams
Final_vol	final volume of digestate in milliliters
Conc.	calculated sample concentration in µg/g (confirms raw data)

Notes:

1. Per Section VI.I of SOP SMM.52.010.01, "Use two standards and three replicates."
2. "ICAL_0" (zero concentration) and "ICAL_High" are the two standards, each analyzed three times. The average intensity ("Ave. Int.") value used to create the two-point calibration.
3. Slope and intercept determined from 2-point calibration (not correlation coefficient).
4. Example calculation:

y = mx + b where: x = concentration, µg/mL
y = instrument response (unitless)

x = (y-b)/m

Example calculation (copper for ck2 Run Seq_No. 503):

Conc., µg/g = (Ave_Resp - Intercept)/Slope) µg/mL * (Final_vol) mL / (Init_mass) g

[Cu], ug/g = ((329984-433)/69412) * (1.0/1.0)
4.748 µg/g

Results of Lab QC Samples and Field Sample (Lab ID)

	E9901776aCS (Ck2) 13:32 12/02/1999					E9901776bCS (Ck2) 13:45 12/02/1999					E9901831CS (Ck2) 14:22 12/02/1999					E9901929CS (Ck2) 14:34 12/02/1999				
	Seq_No.	Ave_Resp	Init_mass (g)	Final_vol (mL)	Conc., µg/g	Seq_No.	Ave_Resp	Init_mass (g)	Final_vol (mL)	Conc., µg/g	Seq_No.	Ave_Resp	Init_mass (g)	Final_vol (mL)	Conc., µg/g	Seq_No.	Ave_Resp	Init_mass (g)	Final_vol (mL)	Conc., µg/g
Molybdenum	478	121911	1.0000	1.0000	1.000	487	120557	1.0000	1.0000	0.988	500	110787	1.0000	1.0000	0.903	503	109263	1.0000	1.0000	0.890
Zinc	478	6630549	1.0000	1.0000	5.160	487	6425701	1.0000	1.0000	4.997	500	6070191	1.0000	1.0000	4.714	503	6063972	1.0000	1.0000	4.709
Cadmium	478	1337009	1.0000	1.0000	1.063	486	1249818	1.0000	1.0000	0.988	500	1216666	1.0000	1.0000	0.960	503	1233084	1.0000	1.0000	0.974
Lead	478	378844	1.0000	1.0000	5.150	487	381548	1.0000	1.0000	5.187	500	351012	1.0000	1.0000	4.770	503	353188	1.0000	1.0000	4.799
Manganese	478	335694	1.0000	1.0000	5.059	487	335275	1.0000	1.0000	5.053	500	324025	1.0000	1.0000	4.882	503	321174	1.0000	1.0000	4.839
Iron	478	128694	1.0000	1.0000	5.084	487	125155	1.0000	1.0000	4.944	500	118783	1.0000	1.0000	4.693	503	118026	1.0000	1.0000	4.663
Copper	478	366280	1.0000	1.0000	5.271	487	357262	1.0000	1.0000	5.141	500	337743	1.0000	1.0000	4.860	503	329984	1.0000	1.0000	4.748

	E9901951CS (Ck2) 15:12 12/02/1999					E9901836CS (Ck2) 15:50 12/02/1999				
	Seq_No.	Ave_Resp	Init_mass (g)	Final_vol (mL)	Conc., µg/g	Seq_No.	Ave_Resp	Init_mass (g)	Final_vol (mL)	Conc., µg/g
Molybdenum	516	114569	1.0000	1.0000	0.936	529	115540	1.0000	1.0000	0.945
Zinc	516	6295215	1.0000	1.0000	4.893	529	6171418	1.0000	1.0000	4.794
Cadmium	516	1258310	1.0000	1.0000	0.995	529	1251491	1.0000	1.0000	0.989
Lead	516	364434	1.0000	1.0000	4.953	529	368328	1.0000	1.0000	5.006
Manganese	516	327568	1.0000	1.0000	4.936	529	334780	1.0000	1.0000	5.045
Iron	516	125752	1.0000	1.0000	4.968	529	122030	1.0000	1.0000	4.821
Copper	516	360295	1.0000	1.0000	5.184	529	343696	1.0000	1.0000	4.945

ATTACHMENT C
UIASL SOPs

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TITLE: **HEAVY METAL SCREEN BY ICP FOR TISSUE ANALYSIS**

Contributors: K. Anderson, G. Farwell, B. Isaacs, M. Tschirgi

Approved:	Kim Anderson, Ph.D.	Chief Chemist Title	7-2-97 Date
Approved:	Gregory Möller, Ph.D.	Technical Director Title	7-17-97 Date

Filepath: P:\SOP\METHOD\INOR-VET\HMS.DOC

Status: *This document is considered current standard procedure of the Analytical Sciences Laboratory when management approval is documented by signature above. This Standard Method is effective on the date of approval signature and supersedes all other versions until historically archived by the QAU as indicated below.*

Archived:	Signature	QAO Title	5/14/01 Date

Abstract:
Total molybdenum, zinc, lead, cadmium, iron, copper, and manganese are analyzed by ICP atomic emission. The sample is digested in concentrated trace metal grade nitric acid at 175 °C. Recommended sample size is approximately 1g. Sample is stored at 4 °C in a plastic bag.

I. Equipment and Apparatus

A. Instrument
1. Leeman 2000 **or**
2. Perkin Elmer P-40 ICP
3. Tecator DS-40 Diger Block and Controller

B. Glassware
1. 10 mL digestion tubes: VWR graduated culture tubes
2. Acid Flexible tubing, 0.030 mm for the Leeman, 0.89 mm for the Perkin Elmer

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II. Instrument Operating Parameters

A. Leeman 2000

1. Parameters

- **a.** Power 1.2 KW, Coolant 16 LPM, Nebulizer 42 PSI
- **b.** Auxil 0.20, Pump Rate 1.0
- **c.** # integrations - 3, Uptake time - 30
- **d.** Scan integration time - 35
- **e.** Weight - Y, Dilution - Y, Inter-element correction - Y
- **f.** Peaking line - Mn1, Background integration peak - N
- **g.** These parameters are subject to change due to fluctuations in the optics, humidity, and temperature. See Leeman ICP Maintenance Logbook located to the left of the computer monitor to see the current values of the operating parameters.

2. Standards

- **a.** HMS standard in position S2
- **b.** Blank in position S1

3. Check standards

- **a.** HMS standard in position C2
- **b.** Blank in position C1

4. Lines, wavelengths (λ), and background corrections (BC):

Line	λ (nm)	BC 1 (nm)	BC 2 (nm)
Mo1	202.030	202.019	202.041
Zn1	213.856	N/A	N/A
Cd1	214.438	N/A	N/A
Pb1	220.353	N/A	N/A
Mn1	257.610	N/A	N/A
Fe2	259.940	N/A	N/A
Cu1	324.754	224.722	N/A

B. Perkin Elmer P-40

1. Molybdenum

- **a.** Wavelength 202.030 nm with UBGC offset 0.037 nm
- **b.** Integration time 496 ms, Spec. time 32 ms
- **c.** Photo multiplier tube 900 W1 Range 0.50
- **d.** S1-1.000

2. Zinc

- **a.** Wavelength 213.856 nm with UBGC offset 0.032 nm
- **b.** Integration time 496 ms, Spec. time 32 ms
- **c.** Photo multiplier tube 799, W1 Range 0.50
- **d.** S1-5.000

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3. Cadmium
   a. Wavelength 214.438 nm with UBGC offset 0.036 nm
   b. Integration time 496 ms, Spec. time 32 ms
   c. Photo multiplier tube 750, W1 Range 0.50
   d. S1-1.000
4. Lead
   a. Wavelength 220.353 nm with UBGC offset 0.032 nm
   b. Integration time 496 ms, Spec. time 32 ms
   c. Photo multiplier tube 900, W1 Range 0.50
   d. S1-5.000
5. Manganese
   a. Wavelength 257.610 nm with UBGC offset 0.042 nm
   b. Integration time 496 ms, Spec. time 32 ms
   c. Photo multiplier tube 701, W1 Range 0.50
   d. S1-5.000
6. Iron
   a. Wavelength 259.940 nm with UBGC offset 0.028 nm
   b. Integration time 496 ms, Spec. time 32 ms
   c. Photo multiplier tube 750, W1 Range 0.50
   d. S1-5.000
7. Copper
   a. Wavelength 324.754 nm with UBGC offset 0.028 nm
   b. Integration time 496 ms, Spec. time 32 ms
   c. Photo multiplier tube 649, W1 Range 0.50
   d. S1-5.000

C. Tecator DS-40 Digestion Block
   1. Digestion sequence:

Ramp Time (hr.min)	Final Temperature (°C)	Hold Time (hr.min)
N/A	35	6.00
1.00	75	1.00
1.00	175	1.00

III. Reagents

A. Concentrated GFS trace metal grade nitric acid

IV. Standards

A. Primary Standard Solution
   1. 10,000µg/mL standards in the standards room located on the inorganic standards shelf.

B. Secondary Standards
   1. This will be the working standards for the calibration of the Leeman. This solution are also used as instrument calibration checks.

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2. Blank
   a. Add 300 mL of concentrated GFS nitric acid to approximately 500 mL of 18MΩ•cm water in a 1 L volumetric flask.
   b. Dilute to the mark with 18MΩ•cm water. This is a 30% nitric acid solution. Store in a plastic container. This solution is stable up to five years. This solution will be used in cup S1 on the Leeman.
3. Prepare the HMS standard by pipetting 0.5 mL of 10,000 μg/mL for Zn, Pb, Mn, Fe, and Cu standards and 0.1 mL of 10,000 μg/mL Cd and Mo standards into a 1000 mL volumetric flask. Add 300 mL of concentrated GFS trace metal grade nitric acid and dilute to volume with 18 MΩ•cm water. Store in a plastic bottle. This solution is stable up to one year.
4. Record all standard preparations in the UI ASL Analytical Standard Preparation Logbook found in the inorganic prep lab.

V. Sample Preparation

A. Preservation
   1. Tissue - store at 4°C

B. Preparation
   1. Weigh approximately 1.0 g of wet tissue, or weigh approximately 0.25 g of desiccated tissue into the 10 mL graduated digestion tubes and record the weight, label the tubes with a black permanent marking pen.
   2. Add 3.0 mL of concentrated trace metal grade nitric acid to each tube.
   3. Use the tecator digestion sequence as given above (see C 1 under Instrument Operating Parameters).
   4. Do not let the samples go to dryness.
   5. Cool to ambient temperature and dilute to the mark with 18 MΩ•cm water. Mix the tubes with a Vortexer thoroughly.
   6. Centrifuge as necessary to produce particle free solutions.
   7. The digestion tubes can be run on Perkin Elmer or transfer to disposable borosillicate tubes to run on the Leeman.

VI. Sample Analysis

A. Start the torch, and allow the system to equilibrate for 30 minutes.
B. The instrument method to be loaded is HMS for the Leeman
C. The name of the rack sequence is mmddHMS where mm is the month and dd is the day.
D. The desired autosampling method will be programmed in accordance with the vial #'s and names entered into the data file.
E. The sample numbers are the LIMS numbers.
F. The sample code D is duplicate and SP is spike.

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G. Print the sequence file with ID's and proof in comparison to the rack list.
H. Peak the instrument on Mn1 using the 100 µg/mL Mn peaking solution.
I. Calibrate the instrument using the taskmaster function. Use two standards and three replicates.
J. After the calibration, the first samples should be check standards and a quality control sample(s) of the same matrix as the samples.
K. Analyze the samples. Run QC references and check standards throughout the run.
L. At the end of the run flush the tubing with water for approximately 20 minutes. Release the tubing from the pump to increase the tubing life.

VII. Calculations

A. The data system on the ICP will automatically set up the calibration line and calculate the concentrations in the samples using the solution and weight information in the sequence file.
B. The Leeman will automatically print the values as each sample is analyzed.

VIII. Quality Control

A. Quality Control
1. Laboratory Blanks -- Same matrix blank to cancel interferences or contaminations.
2. Laboratory Fortified Duplications (Spikes) -- prepared by spiking a sample with 0.5 mL of the spiking solution and calculating % recovery. If % recovery falls within 85% to 115%, analysis has passed QC.
3. NIST samples, typically Bovine Liver (#1577a), Rice Flour (#1568), Pine Needles (#1575) and TORT-2.
4. Laboratory Performance Check Solution -- Mixed solutions at known concentrations run periodically to verify the validity of the calibration curve.

IX. Safety and Health

A. Consult MSDS (Material Data Safety Sheets) for information on reagents.
B. Acids are corrosive.
C. The heating block is very hot during the digestion.

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TITLE: **TOTAL SELENIUM IN BIOLOGICAL TISSUE BY VAPOR GENERATION ICP**

Contributors: K. Anderson, G. Farwell, B. Isaacs

Approved:	Kim Anderson, Ph.D.	Chief Chemist Title	3-29-97 Date
Approved:	Gregory Möller, Ph.D.	Technical Director Title	3-18-97 Date

Filepath: P:\SOP\METHOD\INOR-VET\SEHYDVT.DOC

Status: *This document is considered current standard procedure of the Analytical Sciences Laboratory when management approval is documented by signature above. This Standard Method is effective on the date of approval signature and supersedes all other versions until historically archived by the QAU as indicated below.*

Archived:	Janet C Campbell Signature	QA Officer Title	5/25/04 Date

Abstract:
Total selenium in biological tissue is analyzed by ICP atomic emission using hydride generation. The sample is initially digested by heating with nitric acid, then boiled in a mixture of sulfuric and perchloric acids. This converts all selenium species to selenate, SeO_4^{-2}. The selenate is reduced to selenite, SeO_3^{-2}, Se (IV) with hydrochloric acid at 95 °C. The selenite, SeO_3^{-2}, is reduced by acidic sodium borohydride to hydrogen selenide, H_2Se, (Se -II) which is measured by ICP atomic emission at 196.026 nm. The instrument detection limit for this method has been determined to be 0.0005 µg/g. For a 10:1 mL of tissue, blood, etc. the minimum limit of detection limit is 0.005 µg/g. Samples are stored at 4 °C. Recommended holding time is no longer than 6 months. Tissue samples are stored in plastic bags. Blood samples are stored in EDTA, sodium heparin, or sodium citrate tubes. Serum samples are stored in red top tubes royal blue top tubes, or snap cap tubes. The recommended sample size is 1g for tissues and 1mL for blood and serum.

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I. Equipment and Apparatus

A. Instrument
   1. Perkin Elmer P-40 ICP
   2. Tecator DS-40 Digestor Block and Controller
   3. Peristaltic pump

B. Glassware
   1. 10 mL digestion tubes: VWR graduated culture tubes.

C. Miscellaneous
   1. Acid Flexible tubing
      a. Sample: 0.056 mm id. Viton pump tubing
      b. 10 M HCl: 0.030 mm id. PVC manifold pump tubing
      c. $NaBH_4$: 0.020 mm id. PVC manifold pump tubing

II. Instrument Operating Parameters

A. Perkin Elmer P-40
   1. Wavelength 196.026, one background correction at 196.065 (offset-UBGC-0.028 nm)
   2. Integration time 3008 ms, W1 0.50, Spec. time 32
   3. Photo multiplier tube 900
   4. S1 - 300.00, S2 - 50.00

B. Peristaltic pump
   1. Operate at 0.4 mL/min. for HCl
   2. Operate at 1.0 mL/min. for $NaBH_4$
   3. Operate at 3.0 mL/min. for the sample

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D. Tecator DS-40 Digestor Block

1. Temperature Ramp

Stage	Temp (°C)	Ramp (min)	Hold (min)
First Stage: Ambient	30	10	60
	70	60	30
	175	30	60
	0	0	0
2nd Stage:	190	30	60
	210	10	20
	250	20	20
	310	20	25
	0	0	0

III. Reagents

A. Concentrated trace-metal grade nitric acid

B. Concentrated trace-metal grade perchloric acid

C. Concentrated trace-metal sulfuric acid

D. 5 N trace-metal grade HCl 420 mL of concentrated HCl diluted to 1 L with 18 MΩ•cm water

E. 6 % $NaBH_4$ in 5 % NaOH 1.5 g of $NaBH_4$, and 1.25 g of NaOH diluted to 250 mL with 18 MΩ•cm water

F. 10 N trace-metal grade HCl 420 mL of concentrated HCl diluted to 500 mL with 18 MΩ•cm water

IV. Standards

A. Stock standard solutions, 10 mg/L; 1 mg/L

1. Prepare a 10 mg/L standard by pipetting 0.1 mL of 10,000 mg/L stock solution into a 100 mL volumetric. Dilute to volume with 5 % HNO_3.
2. Prepare a 1 mg/L standard by pipetting 0.01 mL of 10,000 mg/L. stock solution into a 100 mL volumetric. Dilute to volume with 5 % HNO_3.
3. Store in HDPE bottles and label appropriately.

B. Tertiary standards

1. Prepare a 300 ng/mL standard by pipetting 0.3 mL of 10 mg/L standard into a digestion tube.
2. Prepare a 50 ng/mL standard by pipetting 0.5 mL of 1 mg/L standard into a digestion tube.

C. Typical Run

1. Prepare 7 total standards for a typical run of 40 (3-300 ng/mL, 2-50 ng/mL and 2-blanks).

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V. Sample Preparation

A. Preservation (tissue, blood)
   1. Store at 4 ˚C

B. Digestion
   1. Weigh 1.0 g of wet tissue, or weigh 0.1 - 0.4 g of desiccated tissue, or pipette 1.0 mL of blood or serum into the 10 mL digestion tubes and record the weight. Label the tubes with a black permanent marking pen.
   2. Digest the standards and blanks with the samples.
   3. Add 3.0 mL of concentrated trace metal grade nitric acid to each tube. Add one PTFE boiling chip to each tube.
   4. Use the Tecator digestion heat ramp as given above for Stage 1. Do not let the samples go to dryness. (**Note:** at the above settings dryness has not been a problem)
   5. Add 1.0 mL of concentrated perchloric acid (first) and 1.0 mL of concentrated sulfuric acid. (Adding the perchloric first reduces the risk of a violent reaction between the nitric and sulfuric acids.)
   6. Use the Tecator digestion heat ramp as given above for step 2.
   7. Proceed to steps 8 - 12 only if the samples are to be analyzed within 4 hours.
   8. Cool to ambient temperature and SLOWLY add 8 mL of 5 M hydrochloric acid. Keep the mouth of the tube pointed away from anyone in case of splattering.
   9. At this point there should be 9 mL in the tubes: 1 mL of sulfuric acid, and 8 mL of hydrochloric acid. Vortex the tubes.
   10. Return the tubes to the digestor block to reduce at 95 ˚C for 15 minutes.
   11. Cool to ambient temperature and dilute to the mark with 18 MΩ•cm water. Vortex the tubes thoroughly.
   12. Digestion tubes can be run directly on the Perkin Elmer.

VI. Sample Analysis

A. Samples presented for analysis will be entered into the Sample Description File and placed in the autosampler. After the calibration samples the first samples should be a check standard and a quality control sample of the same type as the samples. The remainder of the quality control samples should be distributed evenly throughout the rest of the samples.

B. Name the Sample Description, Autosampler Worksheet and Data Files as mmddSE where mm is the month and dd is the day.

C. The instrument method to be loaded is SEH for the Perkin Elmer.

D. The desired autosampling method will be programmed in accordance with the vial #'s and names entered into the Sample Description File.

E. The sample name is the UI ASL Sample (LIMS) #.

F. The sample code Dup indicates duplicate and SP indicates spike.

G. Print the sequence file with ID's and proof in comparison to the rack list.

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H. Fill the reagent reservoirs with 10M HCl and $NaBH_4$ solutions. Be sure that the acid is introduced prior to the sodium borohydride.
(**Note:** After mixing the sodium borohydride solution, Allow it to sit for approximately one hour before using but use within 24 hours due to limited shelf life.)

I. Start the torch, then start the manifold pump. Allow the system to equilibrate for 30 to 45 minutes.

J. Analyze the samples. Store the results in the Data File of the same name as the Sample Description and Autosampler Worksheet Files.

K. At the end of the run flush the tubing with water. Release the tubing from the pump to increase the tubing life.

VII. Calculations

A. The data system on the ICP will automatically set-up the calibration line and calculate the selenium concentrations of the samples using the volume of solution and weight information in the Sample Description File.

B. At the end of the analysis generate a summary report of the samples and QC material under Create Report.

VIII. Quality Control

A. Quality Control

1. Laboratory Blanks — Same matrix blank to cancel interferences or contamination
2. Laboratory Fortified Blanks (Spikes) — prepared by spiking a sample with 50 ng/mL of selenium and calculating % recovery (This is done by adding 50 µL of the 1 µg/mL solution to the designated sample spike). If % recovery falls within 85 % to 115 %, analysis has passed QC.
3. NIST samples, typically Bovine Liver (#1577a) and Oyster Tissue (#1566a), also House Reference Liver
4. Laboratory Performance Check Solution — Mixed solutions at known concentrations run periodically to verify the validity of the calibration curve.

IX. Documentation Requirements

A. A completed bench sheet, sample record sheet, and QC sheet are required for all analyses.

1. The bench sheet for this method is located at **P:\bench\inorgan\vettox\bense.xls.**
2. The QC sheet for this method is located at **P:\qcreport\vettox\qcvgicp.doc.**

B. All operations, data, and observations shall be recorded in the analyst's notebook and/or standardized form, which must be signed with the date of entry noted.

C. The quality control chart data repository is located at **P:\qcdata\vettox\se.xls.**

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D. Hard copies of all ICP reports (including samples, quality controls, and standards) will be filed into archives and all datafiles will be backed up periodically to the network server into the appropriate subdirectory. If reports are produced but not utilized for the final data, these should be retained with the data packet with documentation describing why they were not utilized.

X. Safety and Health

A. Consult Material Data Safety Sheets for information on reagents.
B. Acids are corrosive.
C. Borohydride is a strong reducing agent.
D. Sodium hydroxide is corrosive.
E. The heating block is very hot during the digestion.

XI. Ordering Information

A. Culture tubes VWR 60869-001
B. Viton tubing VWR
C. 13x100 disposable (Leeman) VWR 60824-568, disposable polystyrene (Perkin Elmer) VWR 21008-827

XII. Validation

This method has been reviewed and validated for selenium in biological tissue method validation data is on file in the archives of ASL.

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TITLE: **PROCEDURES FOR ORGANIC EPA METHOD VALIDATION**

Contributors: R.A. Haws, K.P. Titus

Approved:	Steve McGeehan, Ph.D.	Chief Chemist Title	2-24-00 Date
Approved:	Gregory Möller, Ph.D.	Technical Director Title	3-2-00 Date

Filepath: P:\SOP\PROCED\DATA\METHVAL.DOC

Status: *This document is considered current standard procedure of the Analytical Sciences Laboratory when management approval is documented by signature above. This Standard Operating Procedure is effective on the date of approval signature and supersedes all other versions until historically archived by the QAU as indicated below.*

Archived:	Signature	Title	Date

Abstract:

To assure compliance of EPA protocol and UI ASL quality assurance procedures, all methods employed in the production of data in this laboratory will follow the following procedures for validation of the method specific to the analytes of concern in a given matrix. The term "validation" as it applies to this document shall be defined as the process of establishing the suitability of a method for authorization of its use in the laboratory. The procedures outlined in this document comprise an initial demonstration of laboratory capability. EPA requires an initial demonstration of capability, primarily to preclude a laboratory from analyzing unknown samples via a new, unfamiliar method prior to obtaining some experience with it. It is the intent of management to subject all laboratory methods adopted from the literature, or in-house developed methods, or major modifications of existing methods to a validation study before authorizing them for data production in the laboratory.

Required steps in method validation include:

I) Drafting and approval of UI ASL Standard Method;
II) Demonstration of Calibration
III) Demonstration of Accuracy and Precision;
IV) Demonstration of System Background;
V) Method Detection Limit Calculation;
VI) Laboratory Blind or PE Sample Analysis (Optional);

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VII) Validation Packet.

I. Equipment and Apparatus

Specific to the method being validated.

II. Steps of the Procedure

A. UI ASL Standard Method

A Standard Method is required to be drafted, and signed by the UI ASL Chief Chemist and technical director as an integral step in the method validation process. The procedure for Standard Method development and the template for Standard Method format are outlined in "Use, Development, Revision, and Approval of SOPs", a UI ASL SOP.

B. Demonstration of Calibration

1. Demonstration and documentation of acceptable initial calibration is required before any samples are analyzed. Initial calibration is the analysis of four to five different concentrations of standards within the working range of the instrument. One standard should be near or at the method detection limit (MDL).

2. A response factor (RF) is calculated for each analyte when calibrated. Calculate the mean (μ), standard deviation (SD), and the relative standard deviation (RSD) from each mean (RSD = 100 (SD/μ). If the RSD of any analyte mean RF exceeds 30% (or as otherwise specified), either analyze additional aliquots of appropriate calibration solutions to obtain acceptable RSD of RFs over the entire concentration range, or take action to improve instrument performance.

C. Demonstration of Precision and Accuracy

1. Initial demonstration of laboratory accuracy and precision must be shown specific to the matrices intended to be analyzed. Analyze at least seven replicates of a laboratory fortified matrix blank containing each analyte of concern at a concentration specified in the method or between 1 and 5 times the estimated detection limit. (Estimate MDL from literature or compute estimated MDL as 3 times the standard deviation (s) of replicate analysis, $\geq$ 3 replicates.) An MDL differs from a lower limit of detection (LLD) in that the samples in an MDL study pass through the entire analytical method. It is for this reason that a standard reference material

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or a spiked matrix is best used for this procedure. The replicate samples should pass through the entire analytical method prior to analysis.

a. Prepare each replicate by adding the appropriate aliquot of a quality control standard to the blank matrix. Care should be taken to ensure a homogeneous mixture of the spike and the blank matrix. If a quality control standard containing the method analytes is not available, a primary dilution standard made from a source of reagents different from those used to prepare the calibration standards may be used. Add the proper amount of internal standards and surrogates if they are being used. Replicates should be analyzed together. The same analyst should perform the same steps for each successive analysis.

b. Calculate the measured concentration of each analyte in each replicate, the mean concentration of each analyte in all replicates, and mean accuracy (as mean percentage of true value) for each analyte, and the precision (as relative standard deviation, RSD) of the measurements for each analyte. EPA requires the reporting of seven analyte replicates for the purpose of MDL studies.

c. Regulatory methods have established performance criteria that must be met in an initial demonstration of capability. Check with the QAU for expected performance criteria. If no performance criteria are established, UI ASL methodology will be expected to meet the following criteria: *For each analyte and surrogate, the mean accuracy, expressed as a percentage of the true value, should be 70-130% and the RSD should be ≤30%,* ***unless otherwise specified in the method.***

D. Demonstration of System Background

1. Initial demonstration of low system background is required before any samples are analyzed. The laboratory reagent blank must demonstrate that the reagent solvent is reasonably free of contamination that would prevent the determination of any analyte of concern. In general, background from method analytes should be below the method detection limit.

2. A demonstration of low system background will consist of the analysis of at least 3 laboratory reagent blanks (LRB) following all the steps of the extraction and analytical procedures.

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3. Calculate the measured concentration of each analyte in each replicate and the mean concentration of each analyte in all LRB replicates.

E. Method Detection Limit

1. A method detection limit (MDL) shall be calculated specific to a method and a matrix for all standard methods employed in the production of data at UI ASL. There are various detection limit terms in the literature. Instrument detection limit (IDL), lower limit of detection (LLD), method detection limit (MDL), limit of quantitation (LOQ), or practical quantitation limit (PQL) are various types of detection limits. MDL is used in the reporting of client sample analytical results at UI ASL. Protocol driven studies may employ another type of detection limit as directed by management.

2. An MDL is defined as the minimum concentration of a substance that can be identified, measured, and reported with 99% confidence that the analyte concentration is greater than zero and is determined from replicate analysis of a sample of a given matrix containing analyte. The data obtained from the demonstration of accuracy and precision and the demonstration of system background are used to calculate an MDL for each analyte. The steps in the calculation are as follows:

   a. Compute the net instrument response (NIR) of replicate analyses by subtracting the avg. background present in the LRBs surrounding the replicate aliquot.
   b. Calculate the standard deviation (s) of the n replicates.
   c. The MDL is then calculated as t (from Table 1) times the standard deviation of the n NIR values.
   d. The method detection limit must be sufficient to detect analytes at the required levels. If these criteria are not met for an analyte, take remedial action and repeat the measurements for that analyte to demonstrate acceptable performance before samples are analyzed.

# of Replicates Analyses	t	# of Replicate Analyses	t
7	3.143	11	2.764
8	2.998	12	2.718
9	2.896	13	2.681
10	2.821	14	2.650

Table 1. 99% Confidence (α=.01) t values for n-1 *df.*

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F. Laboratory Blind or PE Sample Analysis (optional)

1. Annual analysis of a laboratory blind or a performance evaluation (PE) sample is required for those analytes available in the EPA Water Pollution (WP) or EPA Water Supply (WS) performance evaluation programs in which the laboratory participates. This step is optional for those analytes/parameters for which a PE program does not currently exist.

2. A laboratory blind must be extracted and analyzed according to the same criteria that samples are to be analyzed. The analysis of the blind sample will ensure confidence in the method extraction and instrumental procedures. The blind also serves as a quality control sample to determine the accuracy of the laboratory measurements. If the measured analyte concentrations are not of acceptable accuracy, 70-130% recovery, (***unless otherwise specified in method***) check the entire analytical procedure to locate and correct the problem.

   a. The laboratory blind must be prepared by adding the appropriate aliquot of a quality control sample to the proper solvent within the working range of the instrument. The blind must be spiked with the appropriate surrogate to ensure method performance.

   b. The laboratory blind must be prepared by a qualified individual who is not directly involved with the conduct of the study.

G. UI ASL Method Validation Packet

1. The senior chemist will be responsible for the compilation, review, and systematic filing of method validation packets for all routine analysis performed in their respective areas of the laboratory.

2. A method validation packet will contain:

   a. The UI ASL Standard Method;
   b. Demonstration of initial calibration raw data and calculations;
   c. Demonstration of accuracy and precision raw data and calculations;
   d. Demonstration of System Background raw data and calculations;
   e. Method Detection limit calculations;

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f. A summary sheet including for each analyte/matrix combination: individual results of replicate analysis; replicate analysis mean value; replicate analysis RSD; LRB analysis values; LRB mean; calculated MDL; and past performances of laboratory blind or PE samples.

III. Special Considerations

The procedures presented here are structured to conform with the minimum requirements of EPA methodology. Always examine the method being validated for special considerations or requirements. Contact the QAU for help in defining performance criteria.

IV. Safety and Health

Check the method documentation or the UI ASL safety officer for applicable safety and health considerations.

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ATTACHMENT D

Screening Values for Metals in Tissues of Wild Game

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SCREENING VALUES FOR METALS IN TISSUES OF WILD GAME

Constituent	Estimated Detection Limit Elk Tissue Concentration (mg/kg * w.w.)	Method Detection Limit Elk Tissue Concentration (mg/kg * w.w.)	Deer Tissue Screening Level RA [a]				Baseline Mineral Content in Deer [b]	Baseline Mineral Content in Deer [c]
			HH Screening Level		muscle tissue	liver tissue conc.	bone tissue conc.	kidney tissue conc.
			child	adult				
			mg/kg	mg/kg	mg/kg *	mg/kg *	mg/kg * d.w.	mg/kg * w.w.
Cadmium	0.02	0.10	0.2	0.4	--	0.34 - 7.7	--	ND - 21
Copper	0.03	0.10	9	22	5.7 - 8.6	22 - 949	6.8	--
Iron	0.04	0.50	--	--	--	--	--	--
Lead	0.23	0.50	NA [d]	NA [d]	<DL - 2.1	<DL - 1.9	--	0.10 - 0.90
Manganese	0.01	0.10	50	100	0.5 - 0.8	11 - 19	1.6	--
Molybdenum	0.09	0.10	5	10	--	<DL - 2	--	--
Selenium	0.005	0.01	5	10	0.6 - 1.4	0.89 - 20	--	--
Zinc	0.01	0.10	300	600	47 - 74.4	86.9 - 162	79	--

-- -indicates chemical not included in study
* -measured concentration
d.w. - dry weight
mg/kg -miligrams per kilogram

a Screening of deer tissue metal concentrations in: Texas Department of State Health Services. 2006. Health Consultation - Consumption of Deer Tissue Collected at Caddo Lake NWR. http://www.dshs.state.tx.us/epitox/consults/caddo_deer.pdf

b Bone metal concentrations of free ranging deer in: Schultz, S.R. et al. 1994. Mineral content of Louisiana white-tailed deer. Journal of wildlife diseases, 30(1): 77-85

c Kidney metal concentrations of free ranging deer in: Kocan and Shaw. 1980. Heavy metal concentrations in the kidneys of white-tailed deer in Oklahoma. Journal of wildlife diseases. 16(4): 563

d Screening level not available; ATSDR's "Framework to Guide Public Heath Assessment Decisions at Lead Sites" was used to estimate probable increases in lead levels associated with site-specific lead concentrations measured in tissue. The maxium detected concentration of lead in muscle was 5.2 mg/kg; this resulted in >1.4 microgram per deciliter (ug/dL) increase in blood lead in children and >0.4ug/dL increase in adults.

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ATTACHMENT E
Table 4-7 from the *1999 Interim Investigation Data Report*

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Attachment E

TABLE 4.7
ELK LIVER AND MUSCLE SELENIUM AND CADMIUM CONCENTRATIONS

IDFG License Number[1]	Sample Type		Map ID	General Kill Location	Before-the-Fact Treatment[2]	Selenium				Cadmium				After-the-Fact Treatment[3]
						Liver		Skeletal Muscle		Liver		Skeletal Muscle		
	Liver	Muscle				Wet-Weight (mg/kg)	Dry-Weight (mg/kg)	Wet-Weight (mg/kg)	Dry-Weight (mg/kg)	Wet-Weight (mg/kg)	Dry-Weight (mg/kg)	Wet-Weight (mg/kg)	Dry-Weight (mg/kg)	
101-9-001192	X	X	2	Sage Creek	M	0.53	1.7	0.12	0.44	0.39	1.3	0.084	0.31	C
101-9-003717	X	X	3	Buck Mountain	M	13	38	0.36	1.2	0.26	0.79	0.037	0.12	E
101-9-003744	X	X	4	Draney Creek	M	0.29	1.0	0.10	0.39	0.14	0.51	*0.060*	*0.24*	C
101-9-003781	X	X	5	Rattlesnake Canyon	M	0.34	1.2	0.11	0.36	0.13	0.47	*0.049*	*0.16*	C
101-9-003836	X	X	6	Dry Valley	M	0.98	3.2	0.22	0.78	0.66	2.2	0.075	0.27	C
101-9-005127	X	X	7	South Sulpher Canyon	M	0.50	1.5	0.21	0.69	0.65	2.0	0.099	0.33	C
101-9-007510	X	X	8	Sage Creek	M	1.3	4.3	0.12	0.43	0.31	1.0	0.155	0.58	C
101-9-008142	X	X	9	Dry Valley	M	1.3	4.7	0.17	0.59	0.43	1.6	0.074	0.26	C
101-9-009603	X	X	10	Pruess Creek	C	0.59	2.2	0.14	0.48	0.29	1.1	*0.056*	*0.20*	C
101-9-010800	X	X	11	Long Valley	M	0.26	1.0	0.10	0.41	0.29	1.1	0.071	0.29	C
101-9-011498	X	X	89	Trout Creek	M	0.49	1.9	0.063	0.24	0.32	1.2	*0.050*	*0.19*	C
101-9-011744	X	X	12	Rassmussen Valley	M	1.9	6.7	0.15	0.64	0.37	1.3	*0.029*	*0.12*	C
101-9-013229	X	X	13	Slug Creek	M	5.3	19	0.37	1.2	0.50	1.8	0.122	0.38	E
101-9-015568	X	X	14	South Sulpher Canyon	M	0.39	1.4	0.12	0.45	0.65	2.3	*0.051*	*0.19*	C
101-9-016571	X	X	15	Jacknife Creek	C	0.64	2.1	0.14	0.54	0.49	1.6	*0.042*	*0.17*	C
101-9-018227	X	X	16	Kendall Canyon	M	2.0	7.6	0.33	1.1	0.36	1.3	0.068	0.22	E
101-9-020202	X	X	17	Wooley Range	M	0.41	1.5	0.13	0.48	0.30	1.1	*0.036*	*0.14*	C
101-9-020457	X	X	18	Woodall Spring	M	1.2	4.2	0.15	0.64	0.42	1.5	0.108	0.45	C
101-9-022067	X	X	19	Hornet Canyon	M	0.54	1.9	0.13	0.42	0.24	0.83	0.067	0.22	C
101-9-024783	X	X	20	Diamond Flat	M	1.6	5.2	0.43	1.9	0.51	1.7	*0.052*	*0.23*	E
101-9-024889	X	X	21	Hornet Canyon	M	0.28	0.87	0.11	0.40	0.25	0.79	*0.048*	*0.18*	C
101-9-025926	X	X	22	Fox Hills	M	1.1	3.5	0.29	1.1	0.37	1.2	0.052	0.20	C
101-9-026635	X	X	23	Little Grey Ridge	M	0.22	0.73	0.10	0.32	0.59	2.0	0.146	0.47	C
101-9-028332	X	X	83	Morgan Meadows	C	0.71	2.3	0.15	0.57	0.35	1.1	0.108	0.40	C
101-9-028637	X	X	24	Upper Enoch Valley	M	1.2	4.2	0.27	0.97	1.2	4.1	0.127	0.45	E
101-9-033823	X	X	96	Tincup Mountain	C	0.68	2.3	0.15	0.51	0.34	1.1	0.165	0.57	C
101-9-034278	X	X	25	Dry Canyon	M	3.2	12	0.24	0.87	0.33	1.2	0.137	0.51	E
101-9-041577	X	X	26	Upper Dry Valley	M	2.7	9.1	0.21	0.74	0.37	1.2	0.184	0.66	E
101-9-045262	X	X	27	Tygee Creek	M	4.6	15	0.48	1.8	0.49	1.6	0.278	1.03	E
101-9-048459	X	X	28	Dry Valley	M	5.3	18	0.79	2.9	0.34	1.1	0.137	0.51	E
101-9-054687	X	X	29	Trout Creek	M	0.34	1.1	0.12	0.43	1.6	5.2	0.074	0.27	C
101-9-057366	X	X	30	Dry Canyon	M	3.4	9.7	0.18	0.60	0.60	1.7	0.137	0.46	E
101-9-064273	X	X	31	Shield Canyon	M	2.6	9.2	0.52	2.0	0.43	1.5	0.066	0.25	E
101-9-065581	X	X	32	N. Trail Canyon Road	M	2.2	8.6	0.35	1.3	0.35	1.4	0.108	0.40	E
101-9-066053	X	X	88	Sage Meadows	M	2.4	8.8	0.34	1.1	0.39	1.4	0.108	0.34	E
101-9-067130	X	X	69	Rassmussen Ridge	M	2.0	6.4	0.17	0.72	0.43	1.4	0.146	0.61	E
101-9-067901	X	X	33	McCoy Creek	C	0.47	1.6	0.093	0.33	0.33	1.1	*0.057*	*0.20*	C
101-9-069187	X	X	34	Dry Valley	M	2.5	13	0.19	0.76	0.21	1.1	*0.022*	*0.09*	E
101-9-069462	X	X	35	Kendall Canyon	M	0.43	1.3	0.15	0.49	1.1	3.3	0.174	0.56	C
101-9-072990	X	X	36	Bridge Creek	C	1.5	5.3	0.11	0.40	0.37	1.3	*0.015*	*0.06*	C

Attachment E

TABLE 4.7
ELK LIVER AND MUSCLE SELENIUM AND CADMIUM CONCENTRATIONS

IDFG License Number[1]	Sample Type		Map ID	General Kill Location	Before-the-Fact Treatment[2]	Selenium				Cadmium				After-the-Fact Treatment[3]
						Liver		Skeletal Muscle		Liver		Skeletal Muscle		
	Liver	Muscle				Wet-Weight (mg/kg)	Dry-Weight (mg/kg)	Wet-Weight (mg/kg)	Dry-Weight (mg/kg)	Wet-Weight (mg/kg)	Dry-Weight (mg/kg)	Wet-Weight (mg/kg)	Dry-Weight (mg/kg)	
101-9-075567	X	X	37	Smoky Canyon	M	0.62	2.2	0.20	0.75	0.29	1.0	*0.033*	*0.12*	*C*
101-9-081257	X	X	38	Jones Canyon	M	0.35	1.0	0.085	0.28	1.7	4.7	0.071	0.23	C
101-9-081312	X	X	39	Chippy Creek	M	0.51	1.8	0.13	0.41	0.32	1.1	*0.040*	*0.13*	*C*
101-9-082092	X	X	40	Jones Canyon	M	0.48	1.8	0.14	0.48	0.73	2.7	*0.0095*	*0.03*	*C*
101-9-082893	X	X	41	Wooley Valley	M	0.79	2.8	0.12	0.43	0.21	0.72	*0.0050*	*0.02*	*C*
101-9-083966	X	X	42	Burns Creek	C	0.33	0.93	0.085	0.24	0.23	0.65	*0.0018*	*0.00*	*C*
102-9-003525	X	X	43	Summit View Campground	M	0.31	1.1	0.12	0.43	0.19	0.67	0.127	0.47	C
102-9-007374	X	X	44	Dry Valley Ridge	M	7.9	28	0.41	1.6	0.33	1.2	0.095	0.37	E
102-9-008730	X	X	45	Upper Dry Valley	M	2.3	8.0	0.66	2.4	0.76	2.6	0.137	0.51	E
102-9-009130	X	X	46	Left Hand Fork Georgetown Creek	M	1.1	3.7	0.16	0.51	0.46	1.6	0.174	0.54	C
102-9-009184	X	X	47	Schmid Ridge	M	1.7	5.7	0.18	0.63	0.15	0.52	0.068	0.24	C
102-9-010135	X	X	97	Upper Tincup Creek	C	0.36	1.2	0.12	0.47	0.29	1.0	*0.0018*	*0.01*	*C*
102-9-010277	X	X	55	Timothy Creek	M	0.50	1.7	0.060	0.23	0.23	0.80	*-0.0077*	*-0.03*	*C*
102-9-010303	X	X	48	Pole Canyon	M	5.8	21	0.34	1.3	0.21	0.77	*-0.016*	*-0.06*	*E*
102-9-011973	X	X	49	Pedro Creek	M	0.33	1.1	0.076	0.28	0.43	1.5	0.159	0.59	C
102-9-012019	X	X	50	Lower Valley	M	0.63	2.1	0.14	0.52	0.29	1.0	*0.0086*	*0.03*	*C*
104-9-001284	X	X	87	Jones Creek	M	0.57	2.1	0.12	0.47	0.25	0.90	*0.013*	*0.05*	*C*
104-9-004294	X	X	51	Woodall Mountain	M	1.6	5.6	0.92	3.4	0.45	1.6	0.118	0.44	E
104-9-005505	X	X	52	Snowdrift Mountain	M	5.7	19	0.29	1.1	0.20	0.66	*-0.021*	*-0.08*	*E*
104-9-006297	X	X	53	Campbell Canyon	M	5.6	19	0.42	1.6	0.20	0.68	0.118	0.44	E
104-9-006924	X	X	54	Preuss Creek	C	0.32	1.1	0.076	0.25	0.16	0.57	0.099	0.33	C
104-9-009499	X	X	86	Jones Canyon	M	1.2	4.0	0.14	0.60	0.30	1.0	*0.021*	*0.09*	*C*
104-9-014257	X	X	56	Fox Hills	M	0.99	3.8	0.54	1.7	0.48	1.8	0.127	0.41	E
105-9-000606	X	X	57	Dry Valley	M	1.1	3.8	0.21	0.77	0.62	2.2	*0.019*	*0.07*	*C*
105-9-004447	X	X	58	Long Valley	M	2.7	9.1	0.19	0.70	0.48	1.6	0.174	0.62	E
105-9-006076	X	X	59	Timothy Creek	M	0.27	1.0	0.072	0.29	0.22	0.80	*-0.012*	*-0.05*	*C*
105-9-006125	X	X	60	Dry Valley	M	6.3	19	0.26	0.94	0.42	1.3	*0.00034*	*0.00*	*E*
106-9-000834	X	X	61	Deer Creek	C	0.88	2.7	0.13	0.48	0.61	1.9	0.118	0.45	C
106-9-001250	X	X	62	Upper Rasmussen Valley	M	1.9	6.1	0.33	1.3	0.76	2.4	*0.010*	*0.04*	*C*
106-9-006628	X	X	63	Schmid Ridge	M	0.47	1.6	0.13	0.48	1.5	5.1	*0.0053*	*0.02*	*C*
106-9-009470	X	X	64	East Hill	M	0.76	2.4	0.18	0.72	0.46	1.5	0.137	0.55	C
106-9-010309	X	X	65	Bacon Creek	M	0.37	1.3	0.18	0.63	0.21	0.74	*0.012*	*0.04*	*C*
107-9-001328	X	X	66	Campbell Canyon	M	0.38	1.1	0.16	0.63	0.65	1.9	0.146	0.56	C
107-9-002807	X	X	67	Jacknife Creek	C	0.30	1.1	0.12	0.49	0.59	2.1	*0.035*	*0.15*	*C*
107-9-007918	X	X	68	Diamond Gulch	M	0.74	2.4	0.13	0.48	0.90	2.9	*0.048*	*0.18*	*C*
107-9-008536	X	X	82	Wooley Valley	M	0.37	1.2	0.18	0.67	0.30	1.0	0.075	0.28	C
108-9-001128	X	X	90	Diamond Gulch	M	0.57	1.6	0.16	0.54	0.65	1.9	0.108	0.36	C
108-9-001232	X	X	70	North Deer Creek	M	0.61	2.2	0.20	0.74	0.53	1.9	*0.024*	*0.09*	*C*

Attachment E

TABLE 4.7
ELK LIVER AND MUSCLE SELENIUM AND CADMIUM CONCENTRATIONS

IDFG License Number[1]	Sample Type		Map ID	General Kill Location	Before-the-Fact Treatment[2]	Selenium				Cadmium				After-the-Fact Treatment[3]
						Liver		Skeletal Muscle		Liver		Skeletal Muscle		
	Liver	Muscle				Wet-Weight (mg/kg)	Dry-Weight (mg/kg)	Wet-Weight (mg/kg)	Dry-Weight (mg/kg)	Wet-Weight (mg/kg)	Dry-Weight (mg/kg)	Wet-Weight (mg/kg)	Dry-Weight (mg/kg)	
108-9-003843	X	X	71	South Fork Creek	C	0.36	1.2	0.14	0.44	0.24	0.84	0.080	0.26	C
108-9-004804	X	X	72	Wooley Range	M	2.6	8.2	0.15	0.55	0.52	1.6	0.084	0.30	E
108-9-005208	X	X	73	Jones Canyon	M	0.31	1.2	0.17	0.62	0.30	1.1	0.099	0.37	C
108-9-005350	X	X	74	Olsen Creek	M	1.2	4.0	0.14	0.54	0.24	0.84	0.118	0.46	C
108-9-005351	X	X	75	North of Wolf Mountain	M	0.63	1.9	0.12	0.49	0.91	2.8	*0.025*	*0.10*	C
112-9-000623	X	X	81	Dry Canyon	M	3.2	11	0.34	1.5	0.57	2.0	*0.059*	*0.26*	E
125-9-001720	X	X	78	Freeman Ridge	M	0.47	1.5	0.11	0.38	0.32	1.0	0.065	0.23	C
125-9-002440	X	X	79	Freeman Ridge	M	0.70	2.5	0.19	0.63	0.43	1.5	0.108	0.36	C
202-9-003457	X	X	84	North Fork Stump Creek	C	0.40	1.3	0.071	0.28	0.39	1.3	0.137	0.55	C
202-9-005862	X	X	76	Timothy Creek	M	0.51	1.5	0.091	0.35	0.32	1.0	0.097	0.37	C
202-9-007411	X	X	77	Black Mountain	M	0.21	0.68	0.077	0.29	0.36	1.2	0.074	0.27	C
202-9-502746	X	X	85	Stump Peak	C	0.28	0.93	0.14	0.40	0.68	2.3	0.079	0.23	C
202-9-502746		X	85	Stump Peak	C			0.12	0.32			0.091	0.25	C
803-9-00600	X	X	80	Crow Creek	M	0.49	1.6	0.12	0.45	0.32	1.0	0.077	0.29	C
101-9-000540	X		22	Harrington Peak	M	0.51	1.8			0.29	0.99			
101-9-001509	X		59	Upper Bacon Creek	M	0.34	0.99			0.32	0.93			
101-9-006611	X		77	Warm Creek	M	0.93	3.2			0.69	2.4			
101-9-006617	X		37	Sage Valley	M	0.38	1.2			0.32	1.0			
102-9-009231	X		71	Corrailsen Creek	M	0.39	1.3			0.22	0.75			
101-9-009926	X		63	North Fork Tincup Creek	C	0.55	1.7			0.40	1.2			
101-9-012050	X		83	Horseshoe Spring	M	0.59	2.3			0.26	0.99			
101-9-018310	X		85	South Side of Red Mountain	M	0.71	2.4			0.32	1.1			
101-9-018408	X		74	Rock Creek	M	0.53	1.8			0.33	1.2			
101-9-019555	X		50	Wolf Mountain	M	0.69	2.4			0.41	1.4			
101-9-020486	X		78	Chain Hat	M	0.74	2.6			0.23	0.79			
101-9-020534	X		76	Maple Canyon	M	0.47	1.6			0.33	1.2			
101-9-021815	X		27	Smith Creek	M	0.40	1.3			0.24	0.81			
101-9-023207	X		32	Dry Valley	M	3.8	13			0.43	1.4			
101-9-025256	X		28	Henry Peak	M	0.38	1.1			0.51	1.5			
101-9-026427	X		93	Boundary Ridge	C	0.35	1.2			0.22	0.75			
101-9-032948	X		14	Black Mountain	C	0.37	1.3			0.31	1.1			
101-9-035622	X		20	Upper Slug Creek	M	4.7	18			0.38	1.5			
101-9-040872	X		33	Dry Ridge	M	1.4	4.5			0.57	1.9			
101-9-041629	X		98	Boundary Ridge	C	0.26	0.92			0.16	0.57			
101-9-050246	X		46	Bacon Creek	M	0.29	1.1			0.14	0.49			
101-9-052544	X		42	Trail Creek Warming Hut	M	0.28	1.1			0.37	1.4			
101-9-055718	X		73	Deer Creek	C	0.37	1.2			0.25	0.81			
101-9-057289	X		1	Right Fork Deer Creek	M	0.59	1.9			0.37	1.2			

Attachment E

TABLE 4.7
ELK LIVER AND MUSCLE SELENIUM AND CADMIUM CONCENTRATIONS

IDFG License Number[1]	Sample Type		Map ID	General Kill Location	Before-the-Fact Treatment[2]	Selenium				Cadmium				After-the-Fact Treatment[3]
						Liver		Skeletal Muscle		Liver		Skeletal Muscle		
	Liver	Muscle				Wet-Weight (mg/kg)	Dry-Weight (mg/kg)	Wet-Weight (mg/kg)	Dry-Weight (mg/kg)	Wet-Weight (mg/kg)	Dry-Weight (mg/kg)	Wet-Weight (mg/kg)	Dry-Weight (mg/kg)	
101-9-059906	X		81	Southwest Side of Red Mountain	M	0.90	3.0			0.22	0.75			
101-9-060482	X		80	Southwest Side of Red Mountain	M	0.43	1.5			0.25	0.87			
101-9-061415	X		48	Dry Valley	M	5.2	19			0.32	1.2			
101-9-062127	X		87	Dry Ridge	M	0.47	1.6			0.24	0.85			
101-9-062802	X		5	Shield Canyon	M	1.9	6.6			0.31	1.1			
101-9-063339	X		89	Tincup Creek	C	0.26	0.99			0.42	1.6			
101-9-069460	X		25	Big Canyon	M	9.1	33			0.70	2.5			
101-9-072423	X		6	Coyote Creek	M	0.38	1.3			0.15	0.52			
101-9-073654	X		3	Smoky Canyon	M	0.41	1.4			0.16	0.55			
101-9-074150	X		41	Meade Peak	M	0.39	1.4			0.17	0.58			
101-9-074844	X		95	Eagle Creek	C	0.34	0.86			0.43	1.1			
101-9-075445	X		75	Smoky Canyon	M	0.34	1.2			0.24	0.87			
101-9-082849	X		35	Church Hollow	M	0.78	2.4			0.17	0.52			
101-9-084603	X		58	Wolf Mountain	M	4.4	15			0.85	2.8			
102-9-000978	X		52	Dunn Canyon	M	0.17	0.66			0.15	0.58			
102-9-003510	X		62	North Fork Tincup Creek	C	0.23	0.82			0.28	1.0			
102-9-005611	X		29	Wooley Range	M	2.9	8.1			0.66	1.8			
102-9-008618	X		64	Schmid Ridge	M	3.6	12			0.32	1.0			
102-9-009651	X		38	Dry Valley	M	3.7	17			0.24	1.1			
102-9-012285	X		67	Schmid Ridge	M	1.5	5.6			0.46	1.8			
104-9-007653	X		82	Bloomington Canyon	C	0.55	1.9			0.20	0.68			
104-9-008160	X		47	Deer Creek	C	0.37	3.7			0.32	3.2			
104-9-009086	X		30	Middle Dairy	M	0.31	1.2			0.15	0.60			
104-9-011485	X		54	Blackfoot River Wildlife Area	M	2.7	19			0.42	3.0			
106-9-002669	X		40	Schmid Ridge	M	0.60	2.1			0.36	1.3			
106-9-007118	X		43	Timothy	M	0.31	1.0			0.15	0.50			
106-9-009604	X		60	Coyote Creek	M	0.55	2.0			0.22	0.80			
106-9-009855	X		15	Fossil Canyon	M	1.3	3.8			0.41	1.2			
107-7-61023	X		79	Diamond Creek	M	0.20	0.84			0.21	0.86			
107-9-002888	X		66	Dry Ridge	M	3.1	11			0.32	1.1			
107-9-007770	X		4	Upper Bacon Creek	M	0.26	0.86			0.20	0.66			
108-9-001165	X		34	Schmid Ridge	M	4.1	15			0.27	0.96			
108-9-001269	X		65	Dry Ridge	M	1.7	5.9			0.55	2.0			
108-9-004060	X		91	Tincup Creek	C	3.5	12			0.50	1.8			
108-9-004918	X		88	The Narrows	M	0.27	0.96			0.37	1.3			
116-9-9108	X		57	Wolf Mountain	M	2.9	9.4			0.50	1.6			
116-9-9109	X		56	Wolf Mountain	M	2.8	9.4			0.20	0.66			
125-9-000899	X		10	Upper Sulphur Canyon	M	0.44	1.6			0.22	0.80			

Attachment E

TABLE 4.7
ELK LIVER AND MUSCLE SELENIUM AND CADMIUM CONCENTRATIONS

IDFG License Number[1]	Sample Type		Map ID	General Kill Location	Before-the-Fact Treatment[2]	Selenium				Cadmium				After-the-Fact Treatment[3]
						Liver		Skeletal Muscle		Liver		Skeletal Muscle		
	Liver	Muscle				Wet-Weight (mg/kg)	Dry-Weight (mg/kg)	Wet-Weight (mg/kg)	Dry-Weight (mg/kg)	Wet-Weight (mg/kg)	Dry-Weight (mg/kg)	Wet-Weight (mg/kg)	Dry-Weight (mg/kg)	
125-9-001223	X		17	Caribou Guard Station	C	7.4	25			0.34	1.2			
202-9-003468	X		2	Diamond Flat	M	0.31	1.1			0.20	0.67			
202-9-003786	X		99	Diamond Flat	M	0.26	1.0			0.21	0.86			
202-9-508864	X		21	Diamond Creek	M	0.48	1.7			0.11	0.39			
218-9-000273	X		61	Upper Sulphur Canyon	M	1.2	4.0			0.23	0.80			
352-9-000257	X		9	Little Grey Ridge	M	0.25	0.80			0.23	0.75			
803-9-015407	X		12	North Fork Tincup Creek	C	0.42	1.4			0.32	1.1			

Notes: [1] The IDFG license number also serves as the sample ID number.
[2] Before-the-fact treatments were classified before laboratory analysis. The classification was based on distance from a phosphate mine. "M" signified the kill location is in the before-the-fact mine-area and "C" is from the before-the-fact control area.
[3] After-the-fact treatments were classified after laboratory analysis. "E" signified that the liver selenium content is elevated when compared to the control area elk, "C".
Blank cells indicate that there was not value reported.
Italicized values are less then the UTB for the blank samples

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ATTACHMENT F
A/T Correspondence

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 10
IDAHO OPERATIONS OFFICE
1435 N. Orchard St.
Boise, Idaho 83706

January 12, 2010

Barry Koch
Special Projects Lead – Mining
Monsanto Company
P.O. Box 816
Soda Springs, Idaho 83276

Re: Approval of *Data Quality Assessment – Pre-2004 Data, 1999-2000 Elk Tissue Samples Technical Memorandum, Revision 2*, dated January 7, 2010.

Dear Mr. Koch,

The Agencies and Tribes have reviewed and approve the above referenced deliverable submitted by P4. This work product was initially developed pursuant to Consent Order/Administrative Order on Consent, EPA Docket No. CERCLA-10-2003-0117 (CO/AOC). I also want to confirm your understanding that this final approved deliverable will be appended to the forthcoming Data Quality and Usability Report being developed pursuant to the RI/FS Settlement Agreement which superseded the earlier CO/AOC.

If you have any questions, please contact me. I can be reached at 208-378-5763 or electronically at tomten.dave@epa.gov.

Sincerely,

Dave Tomten
Remedial Project Manager

cc: Cary Faulk, MWH
Mike Rowe, IDEQ
Mary Kaufman, FS
Jim Alexander, USDA
Forest Service - Enoch Valley Site Record
Jeff Cundick, BLM
Sandi Arena, US FWS

Printed on Recycled Paper

Kelly Wright, Shoshone Bannock Tribes
Eldine Stevens, BIA
Susan Hanson (for the tribes)
Tim Mosko, CH2MHill
EPA Site File

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 10
IDAHO OPERATIONS OFFICE
1435 N. Orchard St.
Boise, Idaho 83706

November 19, 2009

Barry Koch
Special Projects Lead – Mining
Monsanto Company
P.O. Box 816
Soda Springs, Idaho 83276

Re: Comments on *Data Quality Assessment – Pre-2004 Data 1999-2000 Elk Tissue Samples Technical Memorandum Draft Revision 1*, and *Response to Comments*, prepared for P4 Production by MWH, October 30, 2009

Dear Mr. Koch,

The Agencies and Tribes have reviewed the above referenced document, submitted by P4 pursuant to Consent Order/Administrative Order on Consent, EPA Docket No. CERCLA-10-2003-0117 (CO/AOC). Our comments are attached.

The referenced documents were prepared in response to the Agencies/Tribes (A/T) September 14, 2009 comments on P4's Data Quality Assessment – Pre-2004 Data 1999-2000 Elk Tissue Samples Technical Memorandum Draft Revision 1, dated August 14, 2009 and in response to A/T guidance provided in Proposed "Roadmap" for Completing an Assessment of the Quality of Pre-2004 Data for P4 Production, LLC Mines in Southeast Idaho (Roadmap), dated May 18, 2009. The Roadmap outlines a process to assess the quality of existing analytical data to ensure that the type and quality of the data is appropriate for its intended end use. This process is consistent with Chapter 3 of EPA's G-5 guidance, Guidance for Quality Assurance Project Plans, QA/G-5 (December 2002). Chapter 3 of the G-5 guidance focuses on the use of existing information when developing a QA Project Plan.

If you have any questions, please contact me. I can be reached at 208-378-5763 or electronically at tomten.dave@epa.gov.

Sincerely,

Dave Tomten
Remedial Project Manager

Printed on Recycled Paper

Enclosure

cc: Robert Geddes, Monsanto
Cary Faulk, MWH
Mike Rowe, IDEQ
Mary Kaufman, FS
Jeff Cundick, BLM
Sandi Arena, US FWS
Kelly Wright, Shoshone Bannock Tribes
Eldine Stevens, BIA
Susan Hanson (for the tribes)
EPA Site File

Enclosure

Agencies and Tribes Comments on
Data Quality Assessment – Pre-2004 Data 1999-2000 Elk Tissue Samples Technical Memorandum Draft Revision 1,
prepared for P4 Production by MWH, October 30, 2009
November 19, 2009

General Comments

Based on discussions with P4 during our November 4, 2009 meeting in Boise, Idaho, P4 intends to use the elk tissue data to "ground truth" the results of a bioaccumulation model. P4 will prepare a bioaccumulation model using the soil and vegetation data collected this last summer plus other applicable data, such as surface water quality data. The bioaccumulation model will provide a conservative estimate of risk to elk and other browsers as well as to humans via consumption of the animals. Given this perspective, the potential uncertainties in the quality of the data need to be clearly identified and carried forward for the risk assessors to take into account when using the elk tissue data to "ground truth" the model. We agree that the elk tissue data should be available for use as described above, however, the data must be appropriately flagged to identify its limitations.

Additionally, P4 should identify the known limitations of the data in the risk assessment work plan. This will help ensure that these limitations are carried forward for consideration in final risk decisions. Examples of identified limitations for this data set include the following:

- The lab has not provided run logs. P4 has had to reconstruct the sequence from the raw data.
- For calibrations, the laboratory data package shows the raw data for the initial calibrations but does not show any calculated calibration factors or criteria. The laboratory has not been able to provide any further documentation on this. There does not appear to be any continuing calibrations.
- The laboratory has not established method detection limits (MDLs), for the year 1999 data.
- Laboratory control standards were not run through the whole process to include sample preparation/digestion, thus do not represent the accuracy of the method
- SRMs were not certified but were prepared internally
- Method blanks were not run, instrument blanks were run
- Interference information is not available for metals other than selenium

- The laboratory packages are missing chain of custody forms, table of contents, page numbers, case narrative and signature from authorized lab personnel. Chain–of-custodies were not located by the laboratory.

Furthermore, the risk assessment work plan should include provisions for the possible situation where a "no risk finding" based on the elk tissue data is not consistent with the findings through standard bioaccumulation modeling. That is, if the modeled risk calculations show significant bioaccumulation risk but the elk data show no risk, then further evaluation of risk may be necessary due to the limitations of the elk tissue data as described above, particularly if remedy selection hinges on risk to elk or people that consume elk. If further evaluation is indicated, this may include, but is not limited to, the identification of data gaps, additional modeling, and additional tissue sampling. Presently, we are not able to predict how the magnitude of data limitations or potential bias' caused by the uncertainties will effect comparisons to the bioaccumulation model. This will not be apparent until the data are appropriately flagged, statistically summarized, and evaluated in the risk assessment process.

Specific Comments on P4's Response to the A/T September 14, 2009 Comments

A/T Comment 0-4, 1st Row: "Table of Contents, pagination, sample summary (a cross reference of field and laboratory identifications)": The requirement for a lab to fulfill these parameters is not simply for the purpose of "ease of use" for outside reviewers, but is a technical necessity for any scientific report that consists of several hundred pages. Fulfillment of these parameters is an indication that a data report has been prepared in a logical manner. The absence of these parameters is analogous to an RI/FS report of several hundred pages presented with no table of contents, no subheadings, or any logic as to the order of the contents. The fact that a third party had to reconstruct these reports due to the original deficiency needs to be clearly documented for the dataset.
P4 Response 0-4, 1st Row: P4 stated in the first row of Table 1, "MWH has reconstructed the data packages and assembled preparation and analytical batching key as presented in a more detailed EDD (the "MWH EDD") provided as Attachment A."

A/T Response 0-4 1st Row: *Revise text to also note that the subject laboratory package parameters were reconstructed/calculated outside of the laboratory by a third party.. Furthermore, the state of the original package needs to be kept intact. Modifications should only be made to copies of the original package.*

A/T Comment 0-4, 2nd Row: "Case Narrative": The requirement for a case narrative, beyond ease for the reader, is to establish laboratory accountability, to ensure that the laboratory has reviewed/quality controlled the data, and is presenting data of known quality. The missing narrative for this dataset needs to be clearly documented. The uncertainty introduced by this deficiency must be carried through and considered by data users in future deliverables (e.g., risk assessment report).

P4 Response 0-4, 2nd Row: The second row of Table 1 will be revised as follows:

A case narrative was not provided. The cover sheet to the sample data is presented on UIASL letterhead and titled "Certificate of Analysis." The cover sheet has laboratory personnel initials and dates for "1st Level QC" and "2nd Level QC."

The UIASL "Quality Control" form has a "QC Review: name date" prompt listed at the bottom; each of the "Quality Control" documents for the 1999-2000 elk dataset is initialed and dated.

A/T Response 0-4, 2nd Row**:** *The A/T notes that the provided initials do not replace or provide the same overall accountability that is provided by a statement and signature from lab authority.*

A/T Comment 0-4, 4th Row: "Chain-of-Custody Forms": To establish the full cycle of custody, please clarify if data packages from the laboratory with fully executed chain of custody forms, including laboratory signatures, are available and where they reside. This is needed to establish the full cycle of custody. Again, any missing or incomplete chain-of-custody documentation must be documented, carried forward, and associated limitations/uncertainty considered by data users in future deliverables.

P4 Response 0-4, 4th Row: Samples are listed on UIASL COC forms. The forms have prompts for "Relinquished By" and "Received By." "Relinquished By" signatures were missing from COCs associated with ENV00-04. Both signatures were missing on COCs associated with ENV99-01. "Received By" signatures were missing on COCs associated with EN/v99-03. These data will be flagged with Reason Code 3. These documents reside with the other laboratory documents (COAs and raw instrument data) retained by P4.

A/T Response 0-4, 4th Row*: The text should clearly state whether the laboratory did or did not have the chain of custody forms on file. Please specify exactly where the chain-of-custody forms were stored during the interim period and who retrieved them from storage.*

A/T Comment 0-4, 5th Row: "Form 1 equivalent": Detection limit information is missing. For the electronic data tables (Attachment 1), identify how the estimated detection levels (EDLs) were determined.

P4 Response 0-4, 5th Row: The fifth row of Table 1 will be revised as follows:

Description/Comment – Form 1 requires the following items: Lab Name, SDG No., Matrix, Lab Sample ID, Date Received, % solids, units, CAS No., Analyte, Concentration, and detection limit. Results are reported on a wet-weight basis.

Assessment/Implication – The Lab Name, SDG No., Matrix, Lab Sample ID, Date Received; % solids (or moisture content), units, Analyte, Concentration, and EDLs or MDLs are provided in UIASL "Certificate of Analysis" (COA) data packages (or "Case #"). CAS are not listed on the COA but are provided in the MWH EDD. Please see response to Comment No. 0-4 17th Row regarding EDLs.

A/T Response 0-4, 5th Row*: The revised text should also state that most of the MDLs are not available, as applicable.*

A/T Comment 0-4, 7th Row: "LCS Recovery Forms": The true values shown on the Electronic Data Deliverable (EDD) (Attachment A) can be over 100 times the estimated detection limits for metals other than selenium and thus may cause considerable uncertainty for lower ranges of concentrations. Based on this concern, please address the representativeness of the LCS concentrations relative to the full range of measured elk tissue concentrations. Explain if the description of the source on the prep logs provides for traceability of the LCS to the certified sources. Additionally, explain what medium was used for the LCS and whether it represents the elk matrix. This type of QC information must be disclosed, carried forward, and limitations/uncertainty associated with representativeness of LCS data considered in future deliverables.

Response 0-4, 7th Row: Information presented for the LCS was incomplete, and will be corrected and clarified as follows:

> Description/Comment – The laboratory control sample (LCS) Form requires the following items: Lab Name, SDG No., LCS Source, True and Found Concentrations, percent recovery (%R), and acceptance limits. The LCSs (also referred to as fortified blanks or blank spikes) were prepared with all the acids used to digest the samples prepared with a given batch; however, as with the blanks above, the blank spikes were not digested. The UIASL blank spikes were prepared and analyzed at a rate or frequency of 10% of samples.
>
> Assessment/Implication – The Lab Name and SDG No. are documented on the preparation forms. The %Rs are documented on the COAs and the MWH EDD. The acceptance limits are specified in the SOPs. The True Concentrations are document in the raw data. The UIASL blank spikes are not true LCS since they were not digested. This represents uncertainty with respect to controlling the batch based on a prepared, clean-laboratory spike (also note that the ICP blank was spiked with all target analytes but the recovery of only cadmium was calculated and reported). However, completeness of digestion and documentation of acceptable recoveries on representative matrix can be evaluated using the SRM data.

To address the specific question of certified sources, the sample preparation log sheet documents identifications of standards and reagents. The standard identifications would be used as the first standard to trace the certified sources through the laboratory's logbooks and files.

A/T Response 0-4, 7th Row*: The revised text should also state that LCS method accuracy/precision information is not available as the LCS samples were not run through the full cycle of analysis to include sample preparation.*

A/T Comment 0-4, 9th Row: "Analytical Run Logs": P4/Monsanto has reconstructed the analytical run logs. The fact that run logs have been reconstructed must be clearly

documented for the dataset. Also, provide a laboratory statement verifying the sequence shown on the EDDs, if true.

P4 Response 0-4, 9th Row: Per Steve McGeehan, Laboratory Director, UIASL: The EDDs have been reviewed and, to the best our knowledge, the run log sequences are true and accurate.

A/T Response 0-4, 9th Row*: The revised text should also state that the run logs were reconstructed/calculated outside the laboratory by a third party.*

A/T Comment 0-4, 10th, 11th, 12th Rows: "Initial and Continuing, Calibration Blanks", Initial Calibration Verification", and "Continuing Calibration Verification": Calibration may be the most critical element of the quantitation. For calibration, the laboratory does not show any criteria in the SOPs or the laboratory deliverables and does not show any calculated calibration factors. The level or nature of quality control implemented on the data needs to be clearly documented for the dataset, e.g., did the analysts monitor quality during and after the analytical process? Quality control factors need to be checked and corrections implemented as needed. Also, laboratory verification of the information presented here is needed. Again, missing or incomplete information on this QC element must be disclosed, carried forward, and associated limitations/uncertainty considered by data users in future deliverables.

P4 Response 0-4, 10th, 11th, and 12th Row: Per Steve McGeehan, Laboratory Director, UIASL:

> Our protocols require that analysts monitor QC results during an analytical run and a supervisor reviews the entire QC package after the run. Specific criteria for reviewing QC results include: 1) reagent blank - the measured analyte concentration in a reagent blank cannot exceed the reporting limit, 2) check standard - the measured analyte concentration in a check standard cannot differ from the known concentration by more than 10%, 3) certified reference material - the measure analyte concentration must fall within the certified range, the reference material has not passed QC, 4) house reference material - the measured analyte concentration must fall within the acceptance range (typically plus or minus 2 standard deviations), and 5) duplicate - the measured analyte concentration of the duplicates must not differ by more than 10%.
>
> If a procedure fails to meet QC requirements, the analyst first determines the cause. Laboratory methods and equipment SOPs specify general troubleshooting steps for resolving problems. Corrective or remedial action is then planned and executed. Examples of remedial action include: re-preparation of samples, QC samples, and/or reagents; re-analysis; re-calibration; or instrument adjustment. All troubleshooting and corrective actions are fully documented in the raw data package for the analysis and in the instrument logbook if applicable.

The calibration information in Attachment A has been reviewed and, to the best our knowledge, is true and accurate.

A/T Response 0-4, 10th, 11th, 12th Rows*: The revised text should also state that the calibration was reconstructed/calculated from standard raw data by a third party outside the lab.*

A/T Comment 0-4, 13th Row: "ICP Interface Check Sample Recoveries": For selenium, explain how the potential interferences from arsenic were accounted for. For metals other than selenium, explain how any interferences were accounted for.

P4 Response 0-4, 13th Row: P4 feels it has adequately addressed this content item, so comment P4 requests clarification and discussion on conference call.

A/T Response 0-4, 13th Row*: Selenium interference has been adequately addressed. However, for all ICP metals per CERCLA methodology there is not sufficient information regarding interference. Revise the text to note that there were not sufficient interference checks per CERCLA, if applicable.*

A/T Comment 0-4, 17th Row: "MDLs and PQLs or RLs": It is not clear how the estimated detection limits (EDLs) were determined. For a given method/lab/instrument and time the detection limit can be identified by different methodologies to give significantly different results, thus the need and the regulatory requirement that a detection limit be defined by the same procedure. Using the same procedure provides for comparability of data from different labs/instruments/time to regulatory or risk criteria. Provide a description of how the EDLs were determined.

P4 Response 0-4, 17th Row: Response to be discussed on September 30 conference call. Additionally, information presented for the EDLs was incomplete, and will be corrected and clarified as follows:

Description/Comment: In 1999, UIASL reported EDLs, which are equivalent to instrument detection levels. Method detection limits (MDLs) were not developed for tissue matrix until 2000. The EDLs are less than approximately 1 to 2 orders of magnitude of the concentrations spiked in the check standards. In 2000, the laboratory reported an MDL of 0.01 μg/g for selenium and 0.025 μg/g for cadmium.

Assessment/Implication: EDLs were used in 1999 and MDLs were established for samples analyzed in 2001. The implication of using instrument detection levels in 1999 could be evaluated at Step 4 of the data assessment process.

A/T Response 0-4, 17th Row*: Specify the media that was used to calculate the MDLs for the 2000 data. Specify if the MDLs apply to all or only a subset of the 2000 data.*

A/T Comment 0-4, 18th Row: "SRM": Explain how the in-house SRM samples were prepared. Provide a basis for the range of spike concentrations.

P4 Response 0-4, 18th Row: Per Steve McGeehan, Laboratory Director, UIASL:

> A matrix that is representative of the sample type is collected. In the case of these elk data, bovine liver was obtained from the Washington State University School of Veterinary Sciences. A large quantity of the liver was lyophilized, completely homogenized, and spiked with the analytes of interest. Spike concentrations were based on normal and elevated values observed in liver samples analyzed as part of our Veterinary Toxicology program over a 10 year period. The spiked liver samples were thorough homogenized again and analyzed on a properly calibrated instrument. Acceptance ranges (plus or minus 2 standard deviations) were based on a minimum of 10 replicates.

***A/T Response 0-4, 18th Row**: The revised text should also state that SRMs were not prepared by an outside lab or certified.*

Specific Comments on *Data Quality Assessment – Pre-2004 Data 1999-2000 Elk Tissue Samples Technical Memorandum Draft Revision 1*

Section 4.1, Page 13, Table 2, Step 5: The text reads:

> "If elk tissue COPC concentrations exceed risk-based screening levels during initial risk screening, then the COPC will be carried forward for risk assessment. Otherwise the COPC will be dropped (note that evaluation of cumulative risk may require consideration of COPCs that have been eliminated under discrete assessment)."

Due to the uncertainties in the elk tissue analytical data and site representativeness, it is our understanding that P4 plans to use the elk tissue data to “ground truth” bioaccumulation modeling that will be based on soil/vegetation data. Considering the uncertainties in the data quality and its representativeness, the elk tissue data may not to be used to eliminate COPCs by itself. The text should be revised, accordingly.

Various Locations: Table 4-7 from the 1999 Interim Investigation Data Report, Southeast Idaho Phosphate Resource Area Selenium Project (MWH, 2000) is mentioned several times. Please include this table in the document.

Editorial Corrections

Table 1, Page 4, Row - LCS Recovery Forms, Column 3, line 7. Change document to "documented."

Table 1, Page 5, Row - Initial and Continuing Calibration and Calibration Blanks, Column 2, Section Heavy metals by ICP, bullet 1,line 4. In the pdf file there is a problem with ?g/L.

Table 1, Page 8, footnote b, last line. Change UIALS to "UIASL."

Table 1, Page 8, footnote c, line 4. Change thorough to "thoroughly."

Table 2, Page 12, Step 2, Principal Study Question 3 (PSQ3). Add a closing parentheses (")") to the question.

Table 2, Page 13, Step 4, Spatial boundaries. Delete the extra bullet.

Table 3, Page 15, Row - Action Levels, Column 2, line 4. Should it be: Baseline Mineral Content in "Deer" rather than Dear?

Agencies and Tribes Comments on
***Data Quality Assessment – Pre-2004 Data 1999-2000 Elk Tissue Samples Technical Memorandum Draft Revision 1*,**
Prepared for P4 Production by MWH, October 30, 2009
November 19, 2009

General Comments

Based on discussions with P4 during our November 4, 2009 meeting in Boise, Idaho, P4 intends to use the elk tissue data to "ground truth" the results of a bioaccumulation model. P4 will prepare a bioaccumulation model using the soil and vegetation data collected this last summer plus other applicable data, such as surface water quality data. The bioaccumulation model will provide a conservative estimate of risk to elk and other browsers as well as to humans via consumption of the animals. Given this perspective, the potential uncertainties in the quality of the data need to be clearly identified and carried forward for the risk assessors to take into account when using the elk tissue data to "ground truth" the model. We agree that the elk tissue data should be available for use as described above, however, the data must be appropriately flagged to identify its limitations.

Additionally, P4 should identify the known limitations of the data in the risk assessment work plan. This will help ensure that these limitations are carried forward for consideration in final risk decisions. Examples of identified limitations for this data set include the following:

- The lab has not provided run logs. P4 has had to reconstruct the sequence from the raw data.
- For calibrations, the laboratory data package shows the raw data for the initial calibrations but does not show any calculated calibration factors or criteria. The laboratory has not been able to provide any further documentation on this. There does not appear to be any continuing calibrations.
- The laboratory has not established method detection limits (MDLs), for the year 1999 data.
- Laboratory control standards were not run through the whole process to include sample preparation/digestion, thus do not represent the accuracy of the method
- SRMs were not certified but were prepared internally
- Method blanks were not run, instrument blanks were run
- Interference information is not available for metals other than selenium
- The laboratory packages are missing chain of custody forms, table of contents, page numbers, case narrative and signature from authorized lab personnel. Chain–of-custodies were not located by the laboratory.

Furthermore, the risk assessment work plan should include provisions for the possible situation where a "no risk finding" based on the elk tissue data is not consistent with the findings through standard bioaccumulation modeling. That is, if the modeled risk

calculations show significant bioaccumulation risk but the elk data show no risk, then further evaluation of risk may be necessary due to the limitations of the elk tissue data as described above, particularly if remedy selection hinges on risk to elk or people that consume elk. If further evaluation is indicated, this may include, but is not limited to, the identification of data gaps, additional modeling, and additional tissue sampling. Presently, we are not able to predict how the magnitude of data limitations or potential bias' caused by the uncertainties will effect comparisons to the bioaccumulation model. This will not be apparent until the data are appropriately flagged, statistically summarized, and evaluated in the risk assessment process.

P4 Response: *P4 would like to reiterate that the elk tissue data represent one line of evidence and will be used along with other lines of evidence (e.g., screening levels and results of predictive bioaccumulation modeling) in the human health and ecological risk assessments. Potential limitations and uncertainties exist in all of these risk assessment methods. For example, results of predictive bioaccumulation modeling are only as valid as the quality of the inputs used to perform such modeling. One of the primary sources of soil-to-plant and plant-to-skeletal muscle bioaccumulation factors for metals is a document entitled, A Review and Analysis of Parameters for Assessing Transport of Environmentally Released Radionuclides through Agriculture (Baes et al., 1984). This document and the studies that were used to derive the bioaccumulation factors included in the document are more than 25 years old. Additional soil-to-plant bioaccumulation factors for metals can be found in Uptake of Inorganic Chemicals from Soil by Plant Leaves: Regressions of Field Data (Efroymson et al., 2001). For some metals, the bioaccumulation factors published in Baes et al. (1984) and Efroymson et al. (2001) differ substantially. For example, soil-to-plant bioaccumulation factors for selenium, published by Baes et al. (1984) and Efroymson et al. (2001), were reported as 0.025 and 0.67, respectively. These values differ by more than 25-fold and these differences may be attributable the nature of the soils (e.g., mineral content, redox potential, total organic carbon, and pH), types of plants (e.g., accumulators vs. non-accumulators) and the chemical forms of selenium (e.g. metallic vs. organometallic) included in the studies upon which these bioaccumulation factors are based.*

It should also be recognized that the data used in the bioaccumulation studies evaluated in Baes et al. (1984) and Efroymson et al. (2001) were generated by university laboratories, possibly in a similar manner UIASL generated its data during that time period. Thus, there may be data quality and documentation issues associated with these bioaccumulation studies that result in uncertainties in the bioaccumulation factors derived from these studies. Potential uncertainties in bioaccumulation factors, in turn, translate to uncertainties and limitations in the results of predictive bioaccumulation modeling. These and other uncertainties in predictive bioaccumulation modeling will be described in the risk assessment work plan, along with potential limitations in the elk tissue data identified by the Agencies and Tribes (A/T).

In regard to the possibility that use of the elk tissue data results in a "no risk finding," please refer to Section 4.1 of the Data Quality Assessment – Pre-2004 Data 1999-2000 Elk Tissue Samples Technical Memorandum Draft Revision 1 (Elk Tissue Technical Memorandum). As described in Section 4.1, the elk tissue data represent one line of evidence and will be used along with other lines of evidence (e.g., screening levels and results of predictive bioaccumulation modeling) in the human health and ecological risk assessments for the P4 Mines. If any of these lines of evidence indicate the potential for excess risk, the potential need for additional evaluations or studies will be considered.

Please note that P4 provides a summary of the "… deficiencies or non-standard laboratory practices that contribute to uncertainty with respect to the quality of the elk tissue data" in Section 3.1 following Table 1. P4 has not yet evaluated how and whether these uncertainties limit the use of the data. Limitations as to the use of data will be evaluated as Step 4 of the Roadmap, after Step 3, validation of the elk tissue data.

The following addresses the A/T specific bullet list of items (repeated in quotes for ease of reference) in this general comment:

(a) "The lab has not provided run logs. P4 has had to reconstruct the sequence from the raw data." This item is addressed in the fifth bullet in Section 3.1. P4 provided an accurate description of what was provided in the laboratory's raw data for analytical run logs (Row 9 of Table 1). As stated, the laboratory provided an analytical run log sequence, but it was lacking the time analyzed. That information was obtained from the raw data and summarized in Attachment A of the technical memorandum (with the one exception noted in the sixth bullet of Section 3.1).

(b) "For calibrations, the laboratory data package shows the raw data for the initial calibrations but does not show any calculated calibration factors or criteria. The laboratory has not been able to provide any further documentation on this. There does not appear to be any continuing calibrations." UIASL provided the acceptance criteria and P4 summarized it in Row 10 of Table 1. As stated in Row 12 of Table 1, samples identified as "check standard" (or "CS") in the raw data and in Attachment A are the continuing calibration verification standards. The CS data for batch 1130HMS/1130HMS2 were missing from Attachment A, and will be added to the Rev. 2 version of Attachment A. Text in Row 10 of Table 1 will be revised from, "For samples analyzed between 2 December 1999 and 15 February 2000, the ICP software did not automatically record the initial calibration correlation coefficient on the raw data," to "For samples analyzed between 2 December 1999 and 15 February 2000, the ICP software did not record the slope and intercept for the two-point calibration on the raw data. An example calculation for determining slope and intercept and sample results is provided as Attachment B." [Note, two attachments will be added to Rev 2, so the lettering will shift.] Section 3.1 will be revised to include the following bullet, "The UIASL SOPs do not state initial or continuing calibration acceptance criteria. Acceptance criteria for initial calibration data have been provided by UIASL and are summarized in Row 10 of Table 1."

(c) "The laboratory has not established method detection limits (MDLs), for the year 1999 data." This item is addressed in the fourth bullet in Section 3.1.

(d) "Laboratory control standards were not run through the whole process to include sample preparation/digestion, thus do not represent the accuracy of the method." This item is addressed in the third bullet in Section 3.1.

(e) "SRMs were not certified but were prepared internally." The laboratory's reference material are accurately described in the Row 18 (and footnote c) of Table 1. Section 3.1 will be revised to include the following bullet, "The "known" concentrations reported by UIASL for the internally-prepared HRL were not verified by an external source."

(f) "Method blanks were not run, instrument blanks were run." This item is addressed in the third bullet in Section 3.1.

(g) "Interference information is not available for metals other than selenium." Section 3.1 will be revised to include the following bullet, "Interference check standards were not analyzed."

(h) "The laboratory packages are missing chain of custody forms, table of contents, page numbers, case narrative and signature from authorized lab personnel. Chain–of-custodies were not located by the laboratory." The second bullet in Section 3.1 will be revised from, "Laboratory data packages were not assembled with a table of contents and pagination," to "At the time of analysis and reporting, it was not requested that the laboratory provide full data packages; thus, the laboratory packages consisted only of the COAs, which are paginated. Many COAs were presented with full signature by laboratory personnel, but some had only initials of laboratory personnel. The reports were not assembled with case narratives, chain-of-custody documents, or copies of raw data, so there was no a table of contents or pagination that included these documents. MWH requested chain-of-custody documents, preparation logs, and raw instrument data; UIASL provided all requested documents. A case narrative was not standard practice for the laboratory, so none is available."

Specific Comments on P4's Response to the A/T September 14, 2009 Comments

A/T Comment 0-4, 1st Row: "Table of Contents, pagination, sample summary (a cross reference of field and laboratory identifications)": The requirement for a lab to fulfill these parameters is not simply for the purpose of "ease of use" for outside reviewers, but is a technical necessity for any scientific report that consists of several hundred pages. Fulfillment of these parameters is an indication that a data report has been prepared in a logical manner. The absence of these parameters is analogous to an RI/FS report of several hundred pages presented with no table of contents, no subheadings, or any logic as to the order of the contents. The fact that a third party had to reconstruct these reports due to the original deficiency needs to be clearly documented for the dataset.

P4 Response 0-4, 1st Row: P4 stated in the first row of Table 1, "MWH has reconstructed the data packages and assembled preparation and analytical batching key as presented in a more detailed EDD (the "MWH EDD") provided as Attachment A."

A/T Response 0-4 1st Row: *Revise text to also note that the subject laboratory package parameters were reconstructed/calculated outside of the laboratory by a third party. Furthermore, the state of the original package needs to be kept intact. Modifications should only be made to copies of the original package.*

P4 Response 0-4 1st Row: *The information presented in Table 1 specifies what information was added to Attachment A. P4 feels that the response to item "h" in the general comment above also addresses this comment. There is no need to distinguish what was originally provided versus "modifications of original packages." There are no modifications, only additional information subsequently provided, as per the response to item "h." With the exception of calculating a recovery from the calibration standards from the raw data (see response to general comment item "b"), the data validators will not use "reconstructed information" to validate data. The validators will use the hard copy data to validated data. The data summarized in Attachment A are presented to assist users of the data and the validators to organize and understand the data presented in the COAs and other data provided by UIASL (e.g., preparation logs, chains-of-custody, raw instrument data).*

A/T Comment 0-4, 2nd Row: "Case Narrative": The requirement for a case narrative, beyond ease for the reader, is to establish laboratory accountability, to ensure that the laboratory has reviewed/quality controlled the data, and is presenting data of known quality. The missing narrative for this dataset needs to be clearly documented. The uncertainty introduced by this deficiency must be carried through and considered by data users in future deliverables (e.g., risk assessment report).

P4 Response 0-4, 2nd Row: The second row of Table 1 will be revised as follows:

> A case narrative was not provided. The cover sheet to the sample data is presented on UIASL letterhead and titled "Certificate of Analysis." The cover sheet has laboratory personnel initials and dates for "1st Level QC" and "2nd Level QC."

The UIASL "Quality Control" form has a "QC Review: name date" prompt listed at the bottom; each of the "Quality Control" documents for the 1999-2000 elk dataset is initialed and dated.

A/T Response 0-4, 2nd Row**:** *The A/T notes that the provided initials do not replace or provide the same overall accountability that is provided by a statement and signature from lab authority.*

P4 Response 0-4, 2nd Row: *The A/T's concern regarding lack of a full signature is documented in P4's response to item "h" of the general comment.*

A/T Comment 0-4, 4th Row: "Chain-of-Custody Forms": To establish the full cycle of custody, please clarify if data packages from the laboratory with fully executed chain of custody forms, including laboratory signatures, are available and where they reside. This is needed to establish the full cycle of custody. Again, any missing or incomplete chain-of-custody documentation must be documented, carried forward, and associated limitations/uncertainty considered by data users in future deliverables.

P4 Response 0-4, 4th Row: Samples are listed on UIASL COC forms. The forms have prompts for "Relinquished By" and "Received By." "Relinquished By" signatures were missing from COCs associated with ENV00-04. Both signatures were missing on COCs associated with ENV99-01. "Received By" signatures were missing on COCs associated with ENV99-03. These data will be flagged with Reason Code 3. These documents reside with the other laboratory documents (COAs and raw instrument data) retained by P4.

A/T Response 0-4, 4th Row*: The text should clearly state whether the laboratory did or did not have the chain of custody forms on file. Please specify exactly where the chain-of-custody forms were stored during the interim period and who retrieved them from storage.*

P4 Response 0-4, 4th Row: *Please see response to item "h" of general comment. The following statements will be added to Row 4 of Table 1, "UIASL accepted samples under chain-of-custody from MWH (the following procedural exceptions are noted: "Relinquished By" signatures were missing from COCs associated with ENV00-0; both signatures were missing on COCs associated with ENV99-01, and "Received By"*

signatures were missing on COCs associated with ENV99-03). The chain-of-custody and sample log-in documents were maintained at UIASL and were provided to MWH upon request."

A/T Comment 0-4, 5th Row: "Form 1 equivalent": Detection limit information is missing. For the electronic data tables (Attachment 1), identify how the estimated detection levels (EDLs) were determined.

P4 Response 0-4, 5th Row: The fifth row of Table 1 will be revised as follows:

Description/Comment – Form 1 requires the following items: Lab Name, SDG No., Matrix, Lab Sample ID, Date Received, % solids, units, CAS No., Analyte, Concentration, and detection limit. Results are reported on a wet-weight basis.

Assessment/Implication – The Lab Name, SDG No., Matrix, Lab Sample ID, Date Received; % solids (or moisture content), units, Analyte, Concentration, and EDLs or MDLs are provided in UIASL "Certificate of Analysis" (COA) data packages (or "Case #"). CAS are not listed on the COA but are provided in the MWH EDD.
Please see response to Comment No. 0-4 17th Row regarding EDLs.

***A/T Response 0-4, 5th Row**: The revised text should also state that most of the MDLs are not available, as applicable.*

***P4 Response 0-4, 5th Row:** The reviewer clarified on 30 November 2009 that the Tech Memo needs to identify which data were reported with EDLs and which with MDLs. Row 17 of Table 1 will be revised to note that sample results reported in UIASL Case Nos. ENV99-01 and ENV99-03 were reported with EDLs, while sample results reported in UIASL Case Nos. EOT00-04, ENV00-01, ENV00-04, and ENC00-01 were reported with MDLs. Attachment A will also be revised to indicate whether the reporting limit is an EDL or MDL.*

A/T Comment 0-4, 7th Row: "LCS Recovery Forms": The true values shown on the Electronic Data Deliverable (EDD) (Attachment A) can be over 100 times the estimated detection limits for metals other than selenium and thus may cause considerable uncertainty for lower ranges of concentrations. Based on this concern, please address the representativeness of the LCS concentrations relative to the full range of measured elk tissue concentrations. Explain if the description of the source on the prep logs provides for traceability of the LCS to the certified sources. Additionally, explain what medium was used for the LCS and whether it represents the elk matrix. This type of QC information must be disclosed, carried forward, and limitations/uncertainty associated with representativeness of LCS data considered in future deliverables.

Response 0-4, 7th Row: Information presented for the LCS was incomplete, and will be corrected and clarified as follows:

Description/Comment – The laboratory control sample (LCS) Form requires the following items: Lab Name, SDG No., LCS Source, True and Found Concentrations, percent recovery (%R), and acceptance limits. The LCSs (also referred to as fortified blanks or blank spikes) were prepared with all the acids used to digest the samples prepared with a given batch; however, as with the blanks above, the blank spikes

were not digested. The UIASL blank spikes were prepared and analyzed at a rate or frequency of 10% of samples.

Assessment/Implication – The Lab Name and SDG No. are documented on the preparation forms. The %Rs are documented on the COAs and the MWH EDD. The acceptance limits are specified in the SOPs. The True Concentrations are document in the raw data. The UIASL blank spikes are not true LCS since they were not digested. This represents uncertainty with respect to controlling the batch based on a prepared, clean-laboratory spike (also note that the ICP blank was spiked with all target analytes but the recovery of only cadmium was calculated and reported). However, completeness of digestion and documentation of acceptable recoveries on representative matrix can be evaluated using the SRM data.

To address the specific question of certified sources, the sample preparation log sheet documents identifications of standards and reagents. The standard identifications would be used as the first standard to trace the certified sources through the laboratory's logbooks and files.

A/T Response 0-4, 7th Row*: The revised text should also state that LCS method accuracy/precision information is not available as the LCS samples were not run through the full cycle of analysis to include sample preparation.*

P4 Response 0-4, 7th Row: *This item is addressed in the third bullet in Section 3.1.*

A/T Comment 0-4, 9th Row: "Analytical Run Logs": P4/Monsanto has reconstructed the analytical run logs. The fact that run logs have been reconstructed must be clearly documented for the dataset. Also, provide a laboratory statement verifying the sequence shown on the EDDs, if true.

P4 Response 0-4, 9th Row: Per Steve McGeehan, Laboratory Director, UIASL: The EDDs have been reviewed and, to the best our knowledge, the run log sequences are true and accurate.

A/T Response 0-4, 9th Row*: The revised text should also state that the run logs were reconstructed/calculated outside the laboratory by a third party.*

P4 Response 0-4, 9th Row: *Please see response to item "a" of general comment.*

A/T Comment 0-4, 10th, 11th, 12th Rows: "Initial and Continuing, Calibration Blanks", Initial Calibration Verification", and "Continuing Calibration Verification": Calibration may be the most critical element of the quantitation. For calibration, the laboratory does not show any criteria in the SOPs or the laboratory deliverables and does not show any calculated calibration factors. The level or nature of quality control implemented on the data needs to be clearly documented for the dataset, e.g., did the analysts monitor quality during and after the analytical process? Quality control factors need to be checked and corrections implemented as needed. Also, laboratory verification of the information presented here is needed. Again, missing or incomplete information on this QC element must be disclosed, carried forward, and associated limitations/uncertainty considered by data users in future deliverables.

P4 Response 0-4, 10th, 11th, and 12th Row: Per Steve McGeehan, Laboratory Director, UIASL:

> Our protocols require that analysts monitor QC results during an analytical run and a supervisor reviews the entire QC package after the run. Specific criteria for reviewing QC results include: 1) reagent blank - the measured analyte concentration in a reagent blank cannot exceed the reporting limit, 2) check standard - the measured analyte concentration in a check standard cannot differ from the known concentration by more than 10%, 3) certified reference material - the measure analyte concentration must fall within the certified range, the reference material has not passed QC, 4) house reference material - the measured analyte concentration must fall within the acceptance range (typically plus or minus 2 standard deviations), and 5) duplicate - the measured analyte concentration of the duplicates must not differ by more than 10%.
>
> If a procedure fails to meet QC requirements, the analyst first determines the cause. Laboratory methods and equipment SOPs specify general troubleshooting steps for resolving problems. Corrective or remedial action is then planned and executed. Examples of remedial action include: re-preparation of samples, QC samples, and/or reagents; re-analysis; re-calibration; or instrument adjustment. All troubleshooting and corrective actions are fully documented in the raw data package for the analysis and in the instrument logbook if applicable.
>
> The calibration information in Attachment A has been reviewed and, to the best our knowledge, is true and accurate.

A/T Response 0-4, 10th, 11th, 12th Rows*: The revised text should also state that the calibration was reconstructed/calculated from standard raw data by a third party outside the lab.*

P4 Response 0-4, 10th, 11th, 12th Rows: *The existing statement in "The results of instrument calibration and instrument blanks are documented on the raw data," in Row 10 of Table 1 will be revised as followings, "The results of instrument calibration and instrument blanks are documented on the raw data, with the exception that the r value of "1" for a two-point calibration was not recorded on the ICP raw data for sample analyzed between 2 December 1999 and 15 February 2000. The slope and intercept for the two-point calibration were not recorded on raw data. Sample results obtained from daily two-point calibration generated during this timeframe can be verified by the data validators using the example calculation provided in Attachment B."*

A/T Comment 0-4, 13th Row: "ICP Interface Check Sample Recoveries": For selenium, explain how the potential interferences from arsenic were accounted for. For metals other than selenium, explain how any interferences were accounted for.

P4 Response 0-4, 13th Row: P4 feels it has adequately addressed this content item, so comment P4 requests clarification and discussion on conference call.

A/T Response 0-4, 13th Row*: Selenium interference has been adequately addressed. However, for all ICP metals per CERCLA methodology there is not sufficient information*

regarding interference. Revise the text to note that there were not sufficient interference checks per CERCLA, if applicable.

P4 Response 0-4, 13th Row: *Please see response to item "g" of general comment.*

A/T Comment 0-4, 17th Row: "MDLs and PQLs or RLs": It is not clear how the estimated detection limits (EDLs) were determined. For a given method/lab/instrument and time the detection limit can be identified by different methodologies to give significantly different results, thus the need and the regulatory requirement that a detection limit be defined by the same procedure. Using the same procedure provides for comparability of data from different labs/instruments/time to regulatory or risk criteria. Provide a description of how the EDLs were determined.

P4 Response 0-4, 17th Row: Response to be discussed on September 30 conference call.
Additionally, information presented for the EDLs was incomplete, and will be corrected and clarified as follows:

> Description/Comment: In 1999, UIASL reported EDLs, which are equivalent to instrument detection levels. Method detection limits (MDLs) were not developed for tissue matrix until 2000. The EDLs are less than approximately 1 to 2 orders of magnitude of the concentrations spiked in the check standards. In 2000, the laboratory reported an MDL of 0.01 µg/g for selenium and 0.025 µg/g for cadmium.
>
> Assessment/Implication: EDLs were used in 1999 and MDLs were established for samples analyzed in 2001. The implication of using instrument detection levels in 1999 could be evaluated at Step 4 of the data assessment process.

A/T Response 0-4, 17th Row*: Specify the media that was used to calculate the MDLs for the 2000 data. Specify if the MDLs apply to all or only a subset of the 2000 data.*

P4 Response 0-4, 17th Row: *Laboratory SOP.15.080.04 will be added to Attachment C (formerly, Attachment B). Section II.C.1 of the SOP states that MDLs were performed on the same matrix as the analyzed samples (i.e., tissue). While the title of SOP indicates application to organic methods, UIASL verified that the procedures therein also applied and were implemented for inorganic methods.*

A/T Comment 0-4, 18th Row: "SRM": Explain how the in-house SRM samples were prepared. Provide a basis for the range of spike concentrations.

P4 Response 0-4, 18th Row: Per Steve McGeehan, Laboratory Director, UIASL:

> A matrix that is representative of the sample type is collected. In the case of these elk data, bovine liver was obtained from the Washington State University School of Veterinary Sciences. A large quantity of the liver was lyophilized, completely homogenized, and spiked with the analytes of interest. Spike concentrations were based on normal and elevated values observed in liver samples analyzed as part of our Veterinary Toxicology program over a 10 year period. The spiked liver samples were thorough homogenized again and analyzed on a properly calibrated instrument.

Acceptance ranges (plus or minus 2 standard deviations) were based on a minimum of 10 replicates.

***A/T Response 0-4, 18th Row**: The revised text should also state that SRMs were not prepared by an outside lab or certified.*

***P4 Response 0-4, 18th Row:** Information provided in Row 18 and footnote c of Table 1 state HRL were prepared in house. Please see response to item "e" of general comment.*

Specific Comments on *Data Quality Assessment – Pre-2004 Data 1999-2000 Elk Tissue Samples Technical Memorandum Draft Revision 1*

Section 4.1, Page 13, Table 2, Step 5: The text reads:

> "If elk tissue COPC concentrations exceed risk-based screening levels during initial risk screening, then the COPC will be carried forward for risk assessment. Otherwise the COPC will be dropped (note that evaluation of cumulative risk may require consideration of COPCs that have been eliminated under discrete assessment)."

Due to the uncertainties in the elk tissue analytical data and site representativeness, it is our understanding that P4 plans to use the elk tissue data to "ground truth" bioaccumulation modeling that will be based on soil/vegetation data. Considering the uncertainties in the data quality and its representativeness, the elk tissue data may not to be used to eliminate COPCs by itself. The text should be revised, accordingly.

Various Locations: Table 4-7 from the 1999 Interim Investigation Data Report, Southeast Idaho Phosphate Resource Area Selenium Project (MWH, 2000) is mentioned several times. Please include this table in the document.

***P4 Response Section 4.1, Page 13, Table 2, Step 5:** Step 5 of the Elk Tissue Data Quality Objectives (DQOs) relates to the analytical approach required to address Problem Statement 1 (PS1; nature and extent of COPC concentrations in elk tissues) and is not intended to describe the process to be used in COPC screening or elimination of COPCs from further consideration. The statement in question will be removed from Step 5 of Table 2.*

In regard to Table 4-7 of the 1999 Interim Investigation Data Report, Southeast Idaho Phosphate Resource Area Selenium Project, we will include this in the Elk Tissue Technical Memorandum as Attachment E - Table 4.7 Elk Liver and Muscle Selenium and Cadmium Concentrations.

Editorial Corrections

Table 1, Page 4, Row - LCS Recovery Forms, Column 3, line 7. Change document to "documented."

Table 1, Page 5, Row - Initial and Continuing Calibration and Calibration Blanks, Column 2, Section Heavy metals by ICP, bullet 1, line 4. In the pdf file there is a problem with ?g/L.

Table 1, Page 8, footnote b, last line. Change UIALS to "UIASL."

Table 1, Page 8, footnote c, line 4. Change thorough to "thoroughly."

Table 2, Page 12, Step 2, Principal Study Question 3 (PSQ3). Add a closing parentheses (")") to the question.

Table 2, Page 13, Step 4, Spatial boundaries. Delete the extra bullet.

Table 3, Page 15, Row - Action Levels, Column 2, line 4. Should it be: Baseline Mineral Content in "Deer" rather than Dear?

P4 Response: *All editorial errors will be corrected.*

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STATE OF IDAHO
DEPARTMENT OF
ENVIRONMENTAL QUALITY

444 Hospital Way #300 • Pocatello, Idaho • 83201

C.L. "Butch" Otter, Governor
Toni Hardesty, Director

14 September 2009

Mr. Barry Koch
Special Projects Lead - Mining
P4 Production, LLC
PO Box 816
Soda Springs, ID 83276-0816

Re: *Data Quality Assessment – Pre-2004 Data, 1999-2000 Elk Tissue Samples Technical Memorandum, Revision 0*

Dear Mr. Koch,

The Agencies and Tribes (A/T) have reviewed the *Data Quality Assessment – Pre-2004 Data, 1999-2000 Elk Tissue Samples Technical Memorandum, Revision 0,* 14 August 2009, submitted by P4/Monsanto pursuant to Consent Order/Administrative Order on Consent, EPA Docket No. CERCLA-10-2003-0117. The referenced document has been prepared in response to Agency/Tribal guidance provided in *Proposed "Roadmap" for Completing an Assessment of the Quality of Pre-2004 Data for P4 Production, LLC Mines in Southeast Idaho* (*Roadmap*) dated 18 May 2009. The *Roadmap* outlines a process to assess the quality of existing analytical data to ensure that the type and quality of the data are appropriate for the intended end use. This process is consistent with Chapter 3 of EPA's G-5 guidance (*Guidance for Quality Assurance Project Plans, QA/G-5*, December 2002), which focuses on the use of existing information when developing a QA Project Plan.

Within the *Roadmap* document, we noted that some or all University of Idaho (UI) data did not appear to contain sufficient QC information to provide for data of known quality based on the documentation that had been submitted to date. Of particular concern was UI nonstandard biota data. Below, we provide additional comments and direction on identification and disclosure of QC deficiencies, as well as on other aspects of the data quality evaluation. This will help to ensure that limitations and uncertainties associated with the data are known, documented, and appropriately considered by data users.

The *Roadmap* provided four steps to complete the assessment of the dataset, as follows.

1. Determine data needs
2. Screen data for use
3. Validate data
4. Document data quality

In the referenced document, P4/Monsanto addressed the first two steps of the *Roadmap* for the pre-2004 UI elk tissue data. These initial steps include identifying the specific intended uses for existing datasets, and evaluating (or screening) these datasets relative to data quality specifications linked to specific end uses.

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In Step 1 of the *Roadmap*, we noted that data needs must be identified through systematic planning using the EPA DQO process. This step would result in development of acceptance criteria or data quality specifications. Step 1 provided two paths for evaluating pre-2004 datasets. The first alternative (recommended) was to defer the evaluation until project specific data needs are identified in RI/FS scoping deliverables. The second alternative was to proceed with the evaluation in advance of the development of RI/FS planning deliverables if, in their best professional judgment, P4/Monsanto believes that the data will be needed for the RI/FS. Rather than deferring an evaluation of the pre-2004 elk tissue data until project specific data needs are identified in RI/FS scoping deliverables, P4/Monsanto elected to proceed with evaluation of pre-2004 UI elk tissue data in advance of the development of RI/FS planning deliverables. To complete Step 1, P4/Monsanto prepared DQOs specific to the UI pre-2004 elk tissue dataset to guide their decisions on the adequacy of the elk tissue data.

In Step 2 of the *Roadmap*, data would be screened for use by evaluating whether, or the extent to which, data meet data quality specifications linked to targeted uses. As part of this effort, P4/Monsanto included a review of the QC elements listed in the Matrix Table in the referenced document. It is assumed that P4/Monsanto will complete *Roadmap* Steps 3 and 4 within future project planning documents.

Please see the enclosed for general and specific Agency/Tribal comments on work to date evaluating historic elk tissue data using the *Roadmap*. In observance of our review process, I will schedule time on the Monday, 28 September 2009, conference call to answer any questions you might have on the Agency/Tribal comments. On the call we can also determine the next step (e.g., submittal of Revision 1 of the elk tissue evaluation) in this process.

Please let me know if you have any questions. I can be reached at 208-236-6160 or electronically at michael.rowe@deq.idaho.gov.

Sincerely,

Mike Rowe

Mike Rowe
Regional Mining Project Manager

Enclosure

cc: Robert Geddes (P4/Monsanto)
Cary Foulk (MWH)
Doug Tanner, Bruce Olenick (IDEQ)
Jeff Jones, Mary Kauffman (C-TNF)
Jason Sturm (BLM)
Allen Ruberry (IDL)
Kelly Wright (Shoshone-Bannock Tribes)
Sandi Arena (USFWS)
Dave Tomten (EPA)
Eldine Stevens (BIA)
File copy/Monsanto/Correspondence

Agencies and Tribes Comments on
Data Quality Assessment – Pre-2004 Data, 1999-2000 Elk Tissue Samples Technical Memorandum, Revision 0, 14 August 2009
14 September 2009

General Comments

0-A. In the current document, and other previous documents specific to the elk tissue data, P4/Monsanto uses a 10-mile radius as a range for elk that may be impacted by the P4/Monsanto mine sites; any elk that was harvested within 10 miles of Ballard, Henry, or Enoch Valley were considered 'impacted,' while those harvested outside the 10-mile radius were considered 'controls.' The Agencies and Tribes have several concerns with this approach. First off, an elk's home range can vary depending on several factors including time of year and status of that elk (e.g., Is it a female with a calf? Is it a bull attending a harem?). The data from which P4/Monsanto derived their 10-mile radius appears to be Kuck's (former IDFG) data from the late 70s-early 80s and are the median elk summer home range (1 Jun – 31 Oct). However, Kuck's data include a variation in the home range sizes of between 2.5 – 41.3 square miles (Kuck reports median year round elk home range of 26 square miles). Other information on elk home ranges includes a lot of variability; if you look at some of the literature you see variation from 1.16 square miles to 94.59 square miles. Some of the concerns the A/T have include:

- There is a tremendous amount of variability of what is considered home range of elk.
- Kuck's data report a median home range of 26 square miles, yet P4/Monsanto is using a 10-mile radius to distinguish between 'impacted' and 'control' animals.
- Kuck's data are for summer home ranges (1 June – 31 October); however, hunting season in those units goes until mid-November. So elk may have already been migrating to their winter range (thus their range would be greater than in the summer months). Alternatively, during hunting season, movement patterns may be altered because the animals are being 'pushed around' by hunters thus affecting their range.
- All of the P4/Monsanto mines are surrounded by other phosphate mines, thus an animal harvested greater than 10 miles from one of the P4/Monsanto mines, may still be impacted by another mine site.

0-B. An underlying purpose of the *Roadmap* and the referenced document is to identify potential biases of the data and resulting limitations of the data. Data must be used consistent with known limitations (i.e., those associated with representativeness, sensitivity, comparability, completeness, precision, and accuracy, etc.)

0-C. The A/T generally agree that these UI elk tissue data (assuming validation is possible and data are of known quality) will be usable for the human health and ecological risk assessments; however, there are numerous sources and factors that introduce considerable uncertainty that will hinder the interpretation of the tissue data and possibly limit their use. Factors and sources of uncertainty include, but are not limited to: 1) actual elk harvest locations may be unknown; 2) preferential movement of elk in the area (affecting time spent by harvested elk at the P4/Monsanto mines is undocumented); 3) the rutting home range during the fall is likely different than the 600 square miles

provided; 4) influence of other mines in the area; 5) tissue data are only available for a subset of the COPCs; and 6) limited analytical laboratory data quality documentation. The combined sampling and exposure uncertainties make determination of the representativeness of the elk tissue data to the P4/Monsanto mines difficult. These factors and sources that introduce uncertainty must be clearly identified and disclosed in the data quality assessment technical memorandum. The narrative should specify whether, or the extent to which, data meet data quality specifications. In addition, these limitations and disclosures must be carried through and considered in future deliverables such as the risk assessment workplan and risk assessment.

0-D. Our preliminary assessment is that due to limitations and considerable uncertainty arising from multiple sources and factors noted above, we do not believe these tissue data alone are reliable to make informed decisions on the potential impacts to human and ecological receptors during risk management. Additional lines of evidence, such as modeling of mine-specific soil and vegetation concentrations, are necessary (and more reliable) to fully characterize the potential risks to receptors exposed at the P4/Monsanto mines.

0-E. COPCs should not be eliminated from further evaluation based on a discrete medium. It is necessary to assess the cumulative risk from of all complete exposure routes. For example, the total exposure to a recreational hunter would include direct contact routes to soil, surface water, and consumption of elk meat.

0-F. All major changes between revisions of the document should be underlined to assist in Agency/Tribal review.

Specific Comments

0-1. Section 3.0, page 2. As noted in Section 5 of the referenced document, per EPA guidance on data assessment for usability of a dataset, the limitations and uncertainties associated with the data need to be identified and fully explained. This must be done in order to define any limitations on data usage. This dictates the need to evaluate the data per measures established by the regulatory agencies and current industry practice.

The technical parameters of the data discussed in Section 3 of this memorandum are parameters used to establish data of known quality, not only for the Contract Laboratory Program (CLP) (EPA's analytical program for CERCLA) but also for other agencies and programs including the national environmental laboratory accreditation system (NELAC) as well as RCRA (SW846). These technical parameters were derived over the last approximately 30 years based on evaluation of data through a large number of labs and sites and are the industry norm. Add text to recognize this context.

0-2. Section 3.1, page 2. In this Section of the referenced document, P4/Monsanto presents a comprehensive list of these technical parameters and provides an assessment of potential limitations of UI elk tissue data based on these parameters. However, the A/T believe that the uncertainties and potential limitations of the data have not yet been adequately disclosed. Therefore, Section 3 of the referenced document should be revised

to more fully identify the uncertainties associated with the elk tissue data to facilitate a comprehensive assessment of data bias and data limitations during data validation and risk assessment. Full disclosure of sources of data quality uncertainties is a necessary step prior to data validation and risk assessment.

0-3. Furthermore, as noted above, the technical parameters listed in Table 1 are not specific to CLP only but also NELAC and industry practice at large for producing data of known quality. These parameters are used as technical measures for data quality. The text infers that the content of the material presented in 3.1 and Table 1 is specific to the CLP program. The text should be revised accordingly.

0-4. Section 3.1 and Table 1, page 2. To help further define the uncertainties associated with the UI elk tissue data, Section 3.1 and Table 1 should be revised to more fully disclose and document missing or incomplete QC elements associated with the elk tissue dataset. The following comments on Section 3.1 include examples of where the A/T have identified that additional evaluation of the sources of uncertainty is needed for the UI elk tissue data prior to decisions to proceed with the data validation or usability for risk assessment. A narrative description of what is missing should be sufficient to disclose and document data quality deficiencies and uncertainties.

Note that a full discussion of the limitations of data cannot be made at this time. Qualification (professional judgment) and quantification of uncertainty to determine data limitations is done during data validation and risk assessment. Note also that the following examples should not be assumed to be a comprehensive list of deficiencies. P4/Monsanto should address all potentially significant deficiencies relative to data quality uncertainty, regardless of whether the A/T have or have not identified them per the discussion below.

- 1st row-"Table of Contents, pagination, sample summary (a cross reference of field and laboratory identifications)": The requirement for a lab to fulfill these parameters is not simply for the purpose of "ease of use" for outside reviewers, but is a technical necessity for any scientific report that consists of several hundred pages. Fulfillment of these parameters is an indication that a data report has been prepared in a logical manner. The absence of these parameters is analogous to an RI/FS report of several hundred pages presented with no table of contents, no subheadings, or any logic as to the order of the contents. The fact that a third party had to reconstruct these reports due to the original deficiency needs to be clearly documented for the dataset.
- 2nd row-"Case Narrative": The requirement for a case narrative, beyond ease for the reader, is to establish laboratory accountability, to ensure that the laboratory has reviewed/quality controlled the data, and is presenting data of known quality. The missing narrative for this dataset needs to be clearly documented. The uncertainty introduced by this deficiency must be carried through and considered by data users in future deliverables (e.g., risk assessment report).
- 4th row- "Chain-of-Custody Forms": To establish the full cycle of custody, please clarify if data packages from the laboratory with fully executed chain of custody forms, including laboratory signatures, are available and where they reside. This is needed to establish the full cycle of custody. Again, any missing or incomplete chain-

of-custody documentation must be documented, carried forward, and associated limitations/uncertainty considered by data users in future deliverables.

- 5th row- "Form 1 equivalent": Detection limit information is missing. For the electronic data tables (Attachment 1), identify how the estimated detection levels (EDLs) were determined.

- 6th row- "Method or Preparation Blank Results": Method or preparation blank results are obtained by carrying the blank samples through the full method cycle and thus represent contamination that could have been introduced into the site samples through laboratory operations. However, the reagent and instrument blanks do not represent the full cycle and thus provide less information. Missing or incomplete information on this QC element must be disclosed, carried forward, and associated limitations/uncertainty considered by data users in future deliverables.

- 7th row- "LCS Recovery Forms": The true values shown on the Electronic Data Deliverable (EDD) (Attachment A) can be over 100 times the estimated detection limits for metals other than selenium and thus may cause considerable uncertainty for lower ranges of concentrations. Based on this concern, please address the representativeness of the LCS concentrations relative to the full range of measured elk tissue concentrations. Explain if the description of the source on the prep logs provides for traceability of the LCS to the certified sources. Additionally, explain what medium was used for the LCS and whether it represents the elk matrix. This type of QC information must be disclosed, carried forward, and limitations/uncertainty associated with representativeness of LCS data considered in future deliverables.

- 8th row- "MS/MSD Forms": Similar to the previous comment on the LCS spike, the spike concentration ranges for the MSs needs to be evaluated with regard to the measurement range of the elk tissue media. The representativeness of the MS data needs to be clearly documented for the dataset, carried forward, and associated limitations/uncertainty considered in future deliverables.

- 9th row- "Analytical Run Logs": P4/Monsanto has reconstructed the analytical run logs. The fact that run logs have been reconstructed must be clearly documented for the dataset. Also, provide a laboratory statement verifying the sequence shown on the EDDs, if true.

- 10th, 11th, 12th rows- "Initial and Continuing, Calibration Blanks", Initial Calibration Verification", and "Continuing Calibration Verification": Calibration may be the most critical element of the quantitation. For calibration, the laboratory does not show any criteria in the SOPs or the laboratory deliverables and does not show any calculated calibration factors. The level or nature of quality control implemented on the data needs to be clearly documented for the dataset, e.g., did the analysts monitor quality during and after the analytical process? Quality control factors need to be checked and corrections implemented as needed. Also, laboratory verification of the information presented here is needed. Again, missing or incomplete information on this QC element must be disclosed, carried forward, and associated limitations/uncertainty considered by data users in future deliverables.

- 13th row- "ICP Interface Check Sample Recoveries": For selenium, explain how the potential interferences from arsenic were accounted for. For metals other than selenium, explain how any interferences were accounted for.
- 15th row- "Serial Dilution %Differences": This can be evaluated better after establishing the range of MS spikes relative to range of interest as noted above.
- 17th row- "MDLs and PQLs or RLs": It is not clear how the estimated detection limits (EDLs) were determined. For a given method/lab/instrument and time the detection limit can be identified by different methodologies to give significantly different results, thus the need and the regulatory requirement that a detection limit be defined by the same procedure. Using the same procedure provides for comparability of data from different labs/instruments/time to regulatory or risk criteria. Provide a description of how the EDLs were determined.
- 18th row- "SRM": Explain how the in-house SRM samples were prepared. Provide a basis for the range of spike concentrations.

0-5. Section 4.1, page 8, bullet 1 (Ecological Risk Assessment). It is stated in this bullet that if concentrations of trace metals in elk liver or muscle tissue exceed LOAEL concentrations, then it will be concluded that there is ecological risk to ungulates, including elk, associated with foraging on P4/Monsanto's mines. These conclusions would then be used in risk management decisions regarding the mines. The A/T have concerns with this approach if risk is to be determined based on whether the elk was harvested within 10 miles of one of the P4/Monsanto sites. Based on the variability of elk home ranges, and the fact that those elk harvested greater than 10 miles from a P4/Monsanto mine may have been feeding on other mine sites, there's no way to link selenium concentrations in elk to any impacted or control sites. Please revise accordingly.

0-6. Furthermore, the bullet implies that elk tissue data will be compared with tissue residue effects data from other "similar organisms." It is unclear what P4/Monsanto considers as similar organisms. Tissue residue effects are limited for many COPCs. When available, the elk tissue data should be compared to residue effects information for other large mammals (e.g., ungulates). The A/T expect that relevant information obtained from the Southeast Idaho Mining Area will be used. If available, tissue residues for cattle and sheep deaths should be reviewed and considered.

0-7. Table 2, pages 8 and 9, Step 2. The difference, if any, between Principal Study Questions 1, 2, and 3 appear minor. Consider combining into one PSQ.

0-8. Table 2, page 9, DQO Step 4 (and Table 3 Spatial Relevance discussion). P4/Monsanto assumes that a 600-square mile (approximately a 10-mile radius) is representative of the home range of elk. The proposed home range does not consider that the home range is likely less for rutting animals in the fall (when the elk were harvested) and for cows and calves. Considering cattle and sheep deaths at other mine sites in the area suggest that short-term exposures at much smaller areas could pose a significant risk to wildlife, the use of a 600-square mile home range to evaluate the potential risk exposure at the mines is not appropriate. The potential for alternative home ranges

representative of the population should be considered in Step 4 of the DQOs and the Spatial Relevance discussion of Table 3.

0-9. Table 2, page 10, DQO Step 5. The second paragraph states that "if elk tissue COPC concentrations exceed risk-based screening levels, the COPC will be carried forward for risk assessment." COPCs should not be dropped prior to the risk assessment. COPCs may be eliminated during the screening phase of the risk assessment that occurs prior to the baseline risk assessment. For example, COPCs could be eliminated during Step 2 of EPA's 8-step ecological risk assessment process; however, this is only true if cumulative effects from multiple chemicals is not suspected and that it can be demonstrated that the cumulative risk from all complete exposure routes is below the regulatory threshold (i.e., HQ below 1.0). The text in DQO Step 5 should be revised, accordingly.

0-10. Table 3, page 11, Target Analytes and Detection Limits. Estimated Detection Limits (EDLs) are provided without any risk-based comparison values to demonstrate that the detection limits are sufficient for a risk evaluation. Include appropriate risk-based values for comparison.

0-11. Table 3, page 11, Action Levels. The table indicates that no-observable adverse effect level (NOAELs) and lowest observable adverse effect level (LOAELs) will be used for development of action levels in the ecological risk assessment, however, nothing is mentioned for the human health risks. Include appropriate risk-based values for comparison.

0-12. Furthermore, the referenced document does not address the issue of data sensitivity relative to potential action levels. Sensitivity is a fundamental factor in assessing data quality and adequacy for specific uses. As noted in Step 2 of the *Roadmap*, detection levels that are achieved must be appropriate to allow for comparison with applicable project/task action levels. The referenced document should include an evaluation of data sensitivity relative to potential action levels, as specified in Step 2 of the *Roadmap*.

0-13. Table 3, page 12, Description of Spatial Coverage. The descriptions for game management units 66A and 76 are repeated. Delete the second occurrence.

0-14. Table 3, page 12, Spatial Relevance. The spatial relevance discussion considers that elk harvested outside the 600-square mile home range are background. Elk that do not use the P4/Monsanto mines but that are influenced by other mines in the area should not be considered background. Given the uncertainties associated with variable elk bull, cow, and calf home ranges and migration patterns, potential exposure to multiple mines within the region, and exposure to variable COC concentrations within and between mines, it may not be possible to establish accurate background elk tissue COC concentrations for any mine within the Southeast Idaho Mining Area. However, there may be some studies in Wyoming, Utah, or somewhere else nearby that could be used to support background concentrations. The text should be revised to address this uncertainty in background.

0-15. Furthermore, this section refers to a "home range for elk of approximately 600 square miles" and states that that range is equivalent to a 10-mile radius. P4/Monsanto

needs to describe how they determined that a 10-mile radius is equivalent to 600 square miles.

0-16. Section 5.0, page12. The A/T recognize that uncertainty is a part of all aspects of the RI/FS or SI/EECA process. However, note that limitations and/or uncertainty associated with analytical/chemical measurements for the field component is significantly larger than that of the laboratory component only when data of known quality is produced through control of the laboratory analytical process. For data of unknown quality, the laboratory component of the uncertainty can be just as large as or larger than the field component; the same rationale applies when comparing the risk analyses to the chemical analyses and thus the necessity to manage the uncertainty of the chemical data during all phases of the RI/FS or SI/EECA process.

0-17. Attachment C. The form in Attachment C poses generic questions and makes conclusions on the quality of data (e.g., fully useable for risk assessment) without consideration of specific intended use. Also, the form includes conclusions prematurely without stepping through all 4 steps of the *Roadmap*. The form in Attachment C is unnecessary if P4/Monsanto follows Steps 1 through 4 of the *Roadmap*. Attachment C should therefore be eliminated from the referenced document.

Editorial Comments

General
Principle when referring to Study Questions should be Principal.

Section 2.0, Page 1, paragraph 1, line 7 (last). Add a closing parenthesis at the end of the sentence.
Section 2.0, Page 1, paragraph 2, line 6. Add "to" between *also* and *be* to read, ". . . was also to be used, to the extent . . ."
Section 3.1, page 2, paragraph 1, line 1. Add "the" between *in* and *table* to read, "The content items listed in the table titled . . ."
Section 3.1, page 2, paragraph 1, line 2. Change *on* to "in."
Section 3.2, page 7, paragraph 2, indented section, line 6 (last). Should the reference should be McGeehan, 2009b?
Section 4.1, page 7, paragraph 1, line 4. Delete *in tissues previously collected.*
Section 4.2, page 10, paragraph 2, line 2. Change *has* to "have."
Table 3, page 12, Spatial Relevance, line 2. Change *Are* to "Area."
Table 3, page 12, Spatial Relevance, line 6. Change *potential* to "potentially."

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Agencies and Tribes Comments on
Data Quality Assessment – Pre-2004 Data, 1999-2000 Elk Tissue Samples Technical Memorandum, Revision 0, 14 August 2009
14 September 2009

General Comments

Comment 0-A. In the current document, and other previous documents specific to the elk tissue data, P4/Monsanto uses a 10-mile radius as a range for elk that may be impacted by the P4/Monsanto mine sites; any elk that was harvested within 10 miles of Ballard, Henry, or Enoch Valley were considered 'impacted,' while those harvested outside the 10-mile radius were considered 'controls.' The Agencies and Tribes have several concerns with this approach. First off, an elk's home range can vary depending on several factors including time of year and status of that elk (e.g., Is it a female with a calf? Is it a bull attending a harem?). The data from which P4/Monsanto derived their 10-mile radius appears to be Kuck's (former IDFG) data from the late 70s-early 80s and are the median elk summer home range (1 Jun – 31 Oct). However, Kuck's data include a variation in the home range sizes of between 2.5 – 41.3 square miles (Kuck reports median year round elk home range of 26 square miles). Other information on elk home ranges includes a lot of variability; if you look at some of the literature you see variation from 1.16 square miles to 94.59 square miles. Some of the concerns the A/T have include:

- There is a tremendous amount of variability of what is considered home range of elk.
- Kuck's data report a median home range of 26 square miles, yet P4/Monsanto is using a 10-mile radius to distinguish between 'impacted' and 'control' animals.
- Kuck's data are for summer home ranges (1 June – 31 October); however, hunting season in those units goes until mid-November. So elk may have already been migrating to their winter range (thus their range would be greater than in the summer months). Alternatively, during hunting season, movement patterns may be altered because the animals are being 'pushed around' by hunters thus affecting their range.
- All of the P4/Monsanto mines are surrounded by other phosphate mines, thus an animal harvested greater than 10 miles from one of the P4/Monsanto mines, may still be impacted by another mine site.

Response 0-A: Please note that the reference to '10 miles' as a spatial boundary in Table 2, Step 4 - Define the Boundaries of the Study, was in error and will be corrected. Consistent with the description in Table 3, Spatial Relevance, P4 is proposing that all of the elk data are spatially relevant to future risk assessments conducted for the P4 mines and should be validated. As indicated in the 1999 Interim Investigation Data Report, Southeast Idaho Phosphate Resource Area Selenium Project (MWH, 2000), the Idaho Department of Fish and Game (IDFG) determined a home range for elk of approximately 600 square miles (equivalent to the area of all mines plus a 10 miles from any mine boundary). [Note: The term 'radius' as applied to the elk tissue study is a misnomer, because it suggests that a single geographic location was selected as the center of a 10-mile radius and elk tissue samples harvested within or outside of a 10-mile radius were treated differently; this was not the case.] For purposes of data collection, tissue samples from elk harvested further than 10 miles from any phosphate mine boundary

were designated as control samples, listed in Table 4-7 of the report as "before-the-fact treatment" control samples ("treatment" referring to statistical treatment). Tissue samples collected from elk harvested within 10 miles of any mine boundary were designated as mine samples, listed in Table 4-7 of the report as "before-the-fact treatment" mine samples. The data were then statistically evaluated, and reclassified as "after-the-fact treatment" control or mine samples, as listed in Table 4-7 of the report. The elk tissue data collected in 2000 were not presented in a published report; however, they were statistically evaluated and reclassified as "after-the-fact treatment" control or mine samples in the same manner as the 1999 elk tissue data. In summary, a 10-mile radius was not arbitrarily applied to categorize elk tissue samples as control or mine-related.

Our responses to the bulleted A/T concerns, in the order they were presented, are as follows:

- *In the baseline elk study conducted by the IDFG in the late 1970s and early 1980s (Kuck, 1984), home ranges for elk were best described as "elliptical polygons." Kuck (1984) reported substantial variation between individuals and years. However, the median year-around home range for elk was reported as 26 square miles, with a mean migration distance between summer and winter range of 4.1 miles.*
- *The Selenium Committee used this IDFG information to initially classify any elk harvested at a distance of 10 or more miles from any phosphate mine as controls. This distance was derived as follows from the information provided by Kuck (1984): the 26 square mile home range was assumed to be circular with a resulting diameter of 5.8 miles, and the average migration distance of 4.1 miles was added to the diameter to obtain a distance of 9.9 miles; this value was rounded up to 10 miles. It was assumed that any elk killed at this or greater distance from any phosphate mine is likely to have never been substantially exposed to seleniferous forage grown on phosphate waste rock dumps.*
- *In An Evaluation of the Effects of Selenium on Elk, Mule Deer, and Moose in Southeastern Idaho, Kuck (2003) reported a median winter home range for elk equal to 5.5 square miles, and a median summer home range for elk equal to 10.6 square miles. The median year-round home range for elk was reported as 26 square miles.*
- *Elk tissue samples harvested further than 10 miles from any phosphate mine boundary were designated as control samples, listed in Table 4-7 of the report as "before-the-fact treatment" control samples ("treatment" referring to statistical treatment). The data were then statistically evaluated, and reclassified as "after-the-fact treatment" control or mine samples, as listed in Table 4-7 of the report.*

0-B. An underlying purpose of the *Roadmap* and the referenced document is to identify potential biases of the data and resulting limitations of the data. Data must be used consistent with known limitations (i.e., those associated with representativeness, sensitivity, comparability, completeness, precision, and accuracy, etc.)

Response 0-B: Comment noted.

0-C. The A/T generally agree that these UI elk tissue data (assuming validation is possible and data are of known quality) will be usable for the human health and ecological risk assessments; however, there are numerous sources and factors that

introduce considerable uncertainty that will hinder the interpretation of the tissue data and possibly limit their use. Factors and sources of uncertainty include, but are not limited to: 1) actual elk harvest locations may be unknown; 2) preferential movement of elk in the area (affecting time spent by harvested elk at the P4/Monsanto mines is undocumented); 3) the rutting home range during the fall is likely different than the 600 square miles provided; 4) influence of other mines in the area; 5) tissue data are only available for a subset of the COPCs; and 6) limited analytical laboratory data quality documentation. The combined sampling and exposure uncertainties make determination of the representativeness of the elk tissue data to the P4/Monsanto mines difficult. These factors and sources that introduce uncertainty must be clearly identified and disclosed in the data quality assessment technical memorandum. The narrative should specify whether, or the extent to which, data meet data quality specifications. In addition, these limitations and disclosures must be carried through and considered in future deliverables such as the risk assessment workplan and risk assessment.

Response 0-C: The purpose of the Elk Tissue Technical Memorandum is to document the first two steps of The Roadmap, and to reach a consensus regarding whether or not the elk tissue data may proceed to Step 3 – Validate Data. A decision regarding whether or not the elk tissue data are actually used in the remedial investigation and feasibility study (RI/FS) for the P4 mines, and discussions regarding uncertainties and limitations in the data relative to risk assessment and risk management decisions, can be made after the data are validated.

0-D. Our preliminary assessment is that due to limitations and considerable uncertainty arising from multiple sources and factors noted above, we do not believe these tissue data alone are reliable to make informed decisions on the potential impacts to human and ecological receptors during risk management. Additional lines of evidence, such as modeling of mine-specific soil and vegetation concentrations, are necessary (and more reliable) to fully characterize the potential risks to receptors exposed at the P4/Monsanto mines.

Response 0-D: We agree that the elk tissue data represent only one line of evidence in evaluating the potential for impacts of phosphate mining on human health and ecological receptors. Other lines of evidence will also be considered and evaluated in the RI/FS risk assessments.

0-E. COPCs should not be eliminated from further evaluation based on a discrete medium. It is necessary to assess the cumulative risk from of all complete exposure routes. For example, the total exposure to a recreational hunter would include direct contact routes to soil, surface water, and consumption of elk meat.

Response 0-E: We agree that an evaluation of risks to human health and ecological receptors must consider potential cumulative effects of all relevant exposure media, pathways and chemicals.

0-F. All major changes between revisions of the document should be underlined to assist in Agency/Tribal review.

Response 0-F: Concur.

Specific Comments

0-1. Section 3.0, page 2. As noted in Section 5 of the referenced document, per EPA guidance on data assessment for usability of a dataset, the limitations and uncertainties associated with the data need to be identified and fully explained. This must be done in order to define any limitations on data usage. This dictates the need to evaluate the data per measures established by the regulatory agencies and current industry practice.

The technical parameters of the data discussed in Section 3 of this memorandum are parameters used to establish data of known quality, not only for the Contract Laboratory Program (CLP) (EPA's analytical program for CERCLA) but also for other agencies and programs including the national environmental laboratory accreditation system (NELAC) as well as RCRA (SW846). These technical parameters were derived over the last approximately 30 years based on evaluation of data through a large number of labs and sites and are the industry norm. Add text to recognize this context.

Response 0-1: The third, fourth, and fifth sentences in Section 3.1 will be replaced with the following:

> *Please note the content items specified by the A/T are based on standards developed by the USEPA Contract Laboratory Program (CLP), SW-846, and NELAC. For example, "Form 1 equivalent" is a specific reference to the CLP field/laboratory sample results page and has required data fields. The information listed in Table 1 is an attempt to provide a map to or summary of where the data in the specific content item can be found in the documentation provided by UIASL. The CLP forms (or equivalent) were developed to provide a summary of the relevant data or information from the laboratory SOPs; chain-of-custody, sample-receipt, and preparation log documents; and instrument data. A summary presentation of these data is helpful in the ease-of-review of the data, but the absence of summary forms does not preclude the results from being reviewed or validated. Additionally, Table 1 provides a response to the quality control (QC) samples listed by the A/T as needed for completeness but that were not performed by UIASL (e.g., serial dilutions, interference check standards).*

P4 acknowledges that there is a current industry norm for analytical chemistry that has developed over time. It should be acknowledged that UIASL was used at the time of the elk sample analysis (1999-2000) because it was able to provide greater sensitivity for selenium via the hydride ICP method than was achievable using commercially-available ICP methods. P4 agrees that current analyses should be conducted using current analytical norms.

Please see response to Comment 0-2 regarding uncertainties for the chemical data.

0-2. Section 3.1, page 2. In this Section of the referenced document, P4/Monsanto presents a comprehensive list of these technical parameters and provides an assessment of potential limitations of UI elk tissue data based on these parameters. However, the A/T believe that the uncertainties and potential limitations of the data have not yet been adequately disclosed. Therefore, Section 3 of the referenced document should be revised to more fully identify the uncertainties associated with the elk tissue data to facilitate a comprehensive assessment of data bias and data limitations during

data validation and risk assessment. Full disclosure of sources of data quality uncertainties is a necessary step prior to data validation and risk assessment.

Response 0-2: The following text will be inserted after Table 1:

> *The following summarizes the deficiencies or non-standard laboratory practices that contribute to uncertainty with respect to the quality of the elk tissue data:*
>
> - *A subset of chain-of-custody documents did not have "Relinquished By" and/or "Received By" signature(s).*
> - *Laboratory data packages were not assembled with a table of contents and pagination.*
> - *Laboratory blanks and fortified blanks (or LCSs) were not processed through the exact same procedure as the field and other laboratory QC samples. The exception is that they were not digested.*
> - *MDLs were not established for the samples prepared, analyzed, and reported in 1999. Rather, those data were reported with UIASL EDLs (i.e., instrument detection limits).*
> - *The laboratory did not provide an analytical run log summary.*
> - *There was an instrument error in acquisition run date and time of analysis for samples in batch HMICP_12-28-99 (reported in ENV99-01). The raw data contains the wrong date and time of analysis (the actual date of analysis is 2/24/00; actual times are unknown).*
> - *UIASL did not have established control limits for matrix spike samples.*
> - *The concentration of cadmium and lead in the UIASL House Reference Liver were approximately 100 times greater than the concentrations detected in the field samples.*
> - *UIASL no longer retains the documentation of (a) the prepared HRL used, or (b) the MDL study data obtained during the period that the elk tissue samples were analyzed.*

0-3. Furthermore, as noted above, the technical parameters listed in Table 1 are not specific to CLP only but also NELAC and industry practice at large for producing data of known quality. These parameters are used as technical measures for data quality. The text infers that the content of the material presented in 3.1 and Table 1 is specific to the CLP program. The text should be revised accordingly.

Response 0-3: Please see response to Comment 0-1.

0-4. Section 3.1 and Table 1, page 2. To help further define the uncertainties associated with the UI elk tissue data, Section 3.1 and Table 1 should be revised to more fully disclose and document missing or incomplete QC elements associated with the elk

tissue dataset. The following comments on Section 3.1 include examples of where the A/T have identified that additional evaluation of the sources of uncertainty is needed for the UI elk tissue data prior to decisions to proceed with the data validation or usability for risk assessment. A narrative description of what is missing should be sufficient to disclose and document data quality deficiencies and uncertainties.

Note that a full discussion of the limitations of data cannot be made at this time. Qualification (professional judgment) and quantification of uncertainty to determine data limitations is done during data validation and risk assessment. Note also that the following examples should not be assumed to be a comprehensive list of deficiencies. P4/Monsanto should address all potentially significant deficiencies relative to data quality uncertainty, regardless of whether the A/T have or have not identified them per the discussion below.

Response 0-4: Please see specific responses below and response to Comment 0-1.

<u>1st row-"Table of Contents, pagination, sample summary (a cross reference of field and laboratory identifications)"</u>: The requirement for a lab to fulfill these parameters is not simply for the purpose of "ease of use" for outside reviewers, but is a technical necessity for any scientific report that consists of several hundred pages. Fulfillment of these parameters is an indication that a data report has been prepared in a logical manner. The absence of these parameters is analogous to an RI/FS report of several hundred pages presented with no table of contents, no subheadings, or any logic as to the order of the contents. The fact that a third party had to reconstruct these reports due to the original deficiency needs to be clearly documented for the dataset.

Response 0-4, 1st Row: P4 stated in the first row of Table 1, "MWH has reconstructed the data packages and assembled preparation and analytical batching key as presented in a more detailed EDD (the "MWH EDD") provided as Attachment A."

- <u>2nd row-"Case Narrative"</u>: The requirement for a case narrative, beyond ease for the reader, is to establish laboratory accountability, to ensure that the laboratory has reviewed/quality controlled the data, and is presenting data of known quality. The missing narrative for this dataset needs to be clearly documented. The uncertainty introduced by this deficiency must be carried through and considered by data users in future deliverables (e.g., risk assessment report).

Response 0-4, 2nd Row: The second row of Table 1 will be revised as follows:

> *A case narrative was not provided. The cover sheet to the sample data is presented on UIASL letterhead and titled "Certificate of Analysis." The cover sheet has laboratory personnel initials and dates for "1st Level QC" and "2nd Level QC."*

The UIASL "Quality Control" form has a "QC Review: name date" prompt listed at the bottom; each of the "Quality Control" documents for the 1999-2000 elk dataset is initialed and dated.

- <u>4th row- "Chain-of-Custody Forms"</u>: To establish the full cycle of custody, please clarify if data packages from the laboratory with fully executed chain of custody forms, <u>including laboratory signatures,</u> are available and where they reside. This is needed to establish the full cycle of custody. Again, any missing or incomplete chain-of-custody documentation must be documented, carried forward, and associated limitations/uncertainty considered by data users in future deliverables.

Response 0-4, 4th Row: Samples are listed on UIASL COC forms. The forms have prompts for "Relinquished By" and "Received By." "Relinquished By" signatures were missing from COCs associated with ENV00-04. Both signatures were missing on COCs associated with ENV99-01. "Received By" signatures were missing on COCs associated with EN/v99-03. These data will be flagged with Reason Code 3. These documents reside with the other laboratory documents (COAs and raw instrument data) retained by P4.

- 5th row- "Form 1 equivalent": Detection limit information is missing. For the electronic data tables (Attachment 1), identify how the estimated detection levels (EDLs) were determined.

Response 0-4, 5th Row: The fifth row of Table 1 will be revised as follows:

> *Description/Comment – Form 1 requires the following items: Lab Name, SDG No., Matrix, Lab Sample ID, Date Received, % solids, units, CAS No., Analyte, Concentration, and detection limit. Results are reported on a wet-weight basis.*
>
> *Assessment/Implication – The Lab Name, SDG No., Matrix, Lab Sample ID, Date Received; % solids (or moisture content), units, Analyte, Concentration, and EDLs or MDLs are provided in UIASL "Certificate of Analysis" (COA) data packages (or "Case #"). CAS are not listed on the COA but are provided in the MWH EDD.*

Please see response to Comment No. 0-4 17th Row regarding EDLs.

- 6th row- "Method or Preparation Blank Results": Method or preparation blank results are obtained by carrying the blank samples through the full method cycle and thus represent contamination that could have been introduced into the site samples through laboratory operations. However, the reagent and instrument blanks do not represent the full cycle and thus provide less information. Missing or incomplete information on this QC element must be disclosed, carried forward, and associated limitations/uncertainty considered by data users in future deliverables.

Response 0-4, 6th Row: Concur. Data will be qualified to note the deficiency (Step 3). The uncertainty will be listed in revised Section 3.2 (see response to Comment 0-2), and it will be evaluated in Step 4.

- 7th row- "LCS Recovery Forms": The true values shown on the Electronic Data Deliverable (EDD) (Attachment A) can be over 100 times the estimated detection limits for metals other than selenium and thus may cause considerable uncertainty for lower ranges of concentrations. Based on this concern, please address the representativeness of the LCS concentrations relative to the full range of measured elk tissue concentrations. Explain if the description of the source on the prep logs provides for traceability of the LCS to the certified sources. Additionally, explain what medium was used for the LCS and whether it represents the elk matrix. This type of QC information must be disclosed, carried forward, and limitations/uncertainty associated with representativeness of LCS data considered in future deliverables.

Response 0-4, 7th Row: *Information presented for the LCS was incomplete, and will be corrected and clarified as follows:*

> *Description/Comment – The laboratory control sample (LCS) Form requires the following items: Lab Name, SDG No., LCS Source, True and Found*

Concentrations, percent recovery (%R), and acceptance limits. The LCSs (also referred to as fortified blanks or blank spikes) were prepared with all the acids used to digest the samples prepared with a given batch; however, as with the blanks above, the blank spikes were not digested. The UIASL blank spikes were prepared and analyzed at a rate or frequency of 10% of samples.

Assessment/Implication – The Lab Name and SDG No. are documented on the preparation forms. The %Rs are documented on the COAs and the MWH EDD. The acceptance limits are specified in the SOPs. The True Concentrations are document in the raw data. The UIASL blank spikes are not true LCS since they were not digested. This represents uncertainty with respect to controlling the batch based on a prepared, clean-laboratory spike (also note that the ICP blank was spiked with all target analytes but the recovery of only cadmium was calculated and reported). However, completeness of digestion and documentation of acceptable recoveries on representative matrix can be evaluated using the SRM data.

To address the specific question of certified sources, the sample preparation log sheet documents identifications of standards and reagents. The standard identifications would be used as the first standard to trace the certified sources through the laboratory's logbooks and files.

- 8th row- "MS/MSD Forms": Similar to the previous comment on the LCS spike, the spike concentration ranges for the MSs needs to be evaluated with regard to the measurement range of the elk tissue media. The representativeness of the MS data needs to be clearly documented for the dataset, carried forward, and associated limitations/uncertainty considered in future deliverables.

Response 0-4, 8th Row: The requested information is provided in the following table:

				Detected Results		
Analyte	*Organ*	*Spike Amt*	*Units*	*Min*	*Max*	*Median*
Selenium	*Liver*	*0.500*	*µg/g*	*0.170*	*13.0*	*0.565*
Selenium	*Muscle*	*0.500*	*µg/g*	*0.052*	*1.00*	*0.150*
Cadmium	*Liver*	*0.080*	*µg/g*	*0.120*	*0.340*	*1.90*
Cadmium	*Muscle*	*0.080*	*µg/g*	*0.020*	*0.084*	*0.020*

The spike concentrations are near the median detected concentration of the samples, so are representative of the sample media.

- 9th row- "Analytical Run Logs": P4/Monsanto has reconstructed the analytical run logs. The fact that run logs have been reconstructed must be clearly documented for the dataset. Also, provide a laboratory statement verifying the sequence shown on the EDDs, if true.

Response 0-4, 9th Row: Per Steve McGeehan, Laboratory Director, UIASL:

The EDDs have been reviewed and, to the best our knowledge, the run log sequences are true and accurate.

- 10th, 11th, 12th rows- "Initial and Continuing, Calibration Blanks", Initial Calibration Verification", and "Continuing Calibration Verification": Calibration may be the most critical element of the quantitation. For calibration, the laboratory does not show any criteria in the SOPs or the laboratory deliverables and does not show any calculated calibration factors. The level or nature of quality control implemented on the data needs to be clearly documented for the dataset, e.g., did the analysts monitor quality during and after the analytical process? Quality control factors need to be checked and corrections implemented as needed. Also, laboratory verification of the information presented here is needed. Again, missing or incomplete information on this QC element must be disclosed, carried forward, and associated limitations/uncertainty considered by data users in future deliverables.

Response 0-4, 10th, 11th, and 12th Row: Per Steve McGeehan, Laboratory Director, UIASL:

> *Our protocols require that analysts monitor QC results during an analytical run and a supervisor reviews the entire QC package after the run. Specific criteria for reviewing QC results include: 1) reagent blank - the measured analyte concentration in a reagent blank cannot exceed the reporting limit, 2) check standard - the measured analyte concentration in a check standard cannot differ from the known concentration by more than 10%, 3) certified reference material - the measure analyte concentration must fall within the certified range, the reference material has not passed QC, 4) house reference material - the measured analyte concentration must fall within the acceptance range (typically plus or minus 2 standard deviations), and 5) duplicate - the measured analyte concentration of the duplicates must not differ by more than 10%.*
>
> *If a procedure fails to meet QC requirements, the analyst first determines the cause. Laboratory methods and equipment SOPs specify general troubleshooting steps for resolving problems. Corrective or remedial action is then planned and executed. Examples of remedial action include: re-preparation of samples, QC samples, and/or reagents; re-analysis; re-calibration; or instrument adjustment. All troubleshooting and corrective actions are fully documented in the raw data package for the analysis and in the instrument logbook if applicable.*
>
> *The calibration information in Attachment A has been reviewed and, to the best our knowledge, is true and accurate.*

- 13th row- "ICP Interface Check Sample Recoveries": For selenium, explain how the potential interferences from arsenic were accounted for. For metals other than selenium, explain how any interferences were accounted for.

Response 0-4, 13th Row: P4 feels it has adequately addressed this content item, so comment P4 requests clarification and discussion on conference call.

- 15th row- "Serial Dilution %Differences": This can be evaluated better after establishing the range of MS spikes relative to range of interest as noted above.

Response 0-4, 15th Row: Please see response to Comment 0-4, 8th Row.

- 17th row- "MDLs and PQLs or RLs": It is not clear how the estimated detection limits (EDLs) were determined. For a given method/lab/instrument and time the detection limit can be identified by different methodologies to give significantly different results, thus the need and the regulatory requirement that a detection limit be defined by the same procedure. Using the same procedure provides for comparability of data from different labs/instruments/time to regulatory or risk criteria. Provide a description of how the EDLs were determined.

Response 0-4, 17th Row: Response to be discussed on September 30 conference call.

Additionally, information presented for the EDLs was incomplete, and will be corrected and clarified as follows:

> *Description/Comment: In 1999, UIASL reported EDLs, which are equivalent to instrument detection levels. Method detection limits (MDLs) were not developed for tissue matrix until 2000. The EDLs are less than approximately 1 to 2 orders of magnitude of the concentrations spiked in the check standards. In 2000, the laboratory reported an MDL of 0.01 µg/g for selenium and 0.025 µg/g for cadmium.*
>
> *Assessment/Implication: EDLs were used in 1999 and MDLs were established for samples analyzed in 2001. The implication of using instrument detection levels in 1999 could be evaluated at Step 4 of the data assessment process.*

- 18th row- "SRM": Explain how the in-house SRM samples were prepared. Provide a basis for the range of spike concentrations.

Response 0-4, 18th Row: Per Steve McGeehan, Laboratory Director, UIASL:

> *A matrix that is representative of the sample type is collected. In the case of these elk data, bovine liver was obtained from the Washington State University School of Veterinary Sciences. A large quantity of the liver was lyophilized, completely homogenized, and spiked with the analytes of interest. Spike concentrations were based on normal and elevated values observed in liver samples analyzed as part of our Veterinary Toxicology program over a 10 year period. The spiked liver samples were thorough homogenized again and analyzed on a properly calibrated instrument. Acceptance ranges (plus or minus 2 standard deviations) were based on a minimum of 10 replicates.*

0-5. Section 4.1, page 8, bullet 1 (Ecological Risk Assessment). It is stated in this bullet that if concentrations of trace metals in elk liver or muscle tissue exceed LOAEL concentrations, then it will be concluded that there is ecological risk to ungulates, including elk, associated with foraging on P4/Monsanto's mines. These conclusions would then be used in risk management decisions regarding the mines. The A/T have concerns with this approach if risk is to be determined based on whether the elk was harvested within 10 miles of one of the P4/Monsanto sites. Based on the variability of elk home ranges, and the fact that those elk harvested greater than 10 miles from a P4/Monsanto mine may have been feeding on other mine sites, there's no way to link selenium concentrations in elk to any impacted or control sites. Please revise accordingly.

Response 0-5: Please refer to our responses to A/T Comments O-A and O-C. The statistical evaluation that was documented in the 1999 Interim Investigation Data Report, Southeast Idaho Phosphate Resource Area Selenium Project (MWH, 2000) was

successful in reclassifying elk tissue samples as "after-the-fact treatment" mine or control samples. Elk tissue samples were reclassified as mine or control samples irrespective of whether or not they were harvested within 10 miles of any mine boundary.

0-6. Furthermore, the bullet implies that elk tissue data will be compared with tissue residue effects data from other "similar organisms." It is unclear what P4/Monsanto considers as similar organisms. Tissue residue effects are limited for many COPCs. When available, the elk tissue data should be compared to residue effects information for other large mammals (e.g., ungulates). The A/T expect that relevant information obtained from the Southeast Idaho Mining Area will be used. If available, tissue residues for cattle and sheep deaths should be reviewed and considered.

Response 0-6: We agree that mammalian tissue residue effect levels are limited for many chemicals. However, published tissue residue effect levels are available for selenium and several other trace metals based on exposures to livestock. Published tissue residue effect levels may be supplemented with information obtained from the Southeast Idaho Phosphate Resource Area, including cattle studies conducted by the University of Idaho and tissue concentration data associated with livestock deaths, as available and appropriate. It should be cautioned, however, that tissue residue levels associated with acute selenosis may not be relevant to tissue residue levels resulting from sub-chronic or chronic exposures.

0-7. Table 2, pages 8 and 9, Step 2. The difference, if any, between Principal Study Questions 1, 2, and 3 appear minor. Consider combining into one PSQ.

Response 0-7: Principal Study Question (PSQ) 1 is intended to address the adequacy of the elk tissue data to support site characterization. While PSQs 2 and 3 are intended to address the adequacy of the elk tissue data to support screening and baseline risk evaluations, respectively. However, we agree that the Decision Statements for PSQs 1, 2 and 3 are similarly worded. The PSQs and Decision Statements will be revised for clarification.

0-8. Table 2, page 9, DQO Step 4 (and Table 3 Spatial Relevance discussion). P4/Monsanto assumes that a 600-square mile (approximately a 10-mile radius) is representative of the home range of elk. The proposed home range does not consider that the home range is likely less for rutting animals in the fall (when the elk were harvested) and for cows and calves. Considering cattle and sheep deaths at other mine sites in the area suggest that short-term exposures at much smaller areas could pose a significant risk to wildlife, the use of a 600-square mile home range to evaluate the potential risk exposure at the mines is not appropriate. The potential for alternative home ranges representative of the population should be considered in Step 4 of the DQOs and the Spatial Relevance discussion of Table 3.

Response 0-8: Please refer to our responses to A/T Comments O-A and O-C. Please note that the elk home range reported by Kuck (1984, 2003) was used for project planning purposes and during data collection. Tissue samples preliminarily identified as "before-the-fact treatment" control samples or "before-the-fact treatment" mine samples were statistically evaluated and reclassified as "after-the-fact treatment" control or mine samples, as listed in Table 4-7 of the 1999 Interim Investigation Data Report, Southeast Idaho Phosphate Resource Area Selenium Project (MWH, 2000). If predictive exposure

modeling for elk is conducted in the RI/FS risk assessment, specific assumptions regarding home range may be made at that time.

0-9. Table 2, page 10, DQO Step 5. The second paragraph states that "if elk tissue COPC concentrations exceed risk-based screening levels, the COPC will be carried forward for risk assessment." COPCs should not be dropped prior to the risk assessment. COPCs may be eliminated during the screening phase of the risk assessment that occurs prior to the baseline risk assessment. For example, COPCs could be eliminated during Step 2 of EPA's 8-step ecological risk assessment process; however, this is only true if cumulative effects from multiple chemicals is not suspected and that it can be demonstrated that the cumulative risk from all complete exposure routes is below the regulatory threshold (i.e., HQ below 1.0). The text in DQO Step 5 should be revised, accordingly.

Response 0-9: Agreed. Text in DQO Step 5 will be revised to clarify where in the RI/FS process COPC screening should be conducted.

0-10. Table 3, page 11, Target Analytes and Detection Limits. Estimated Detection Limits (EDLs) are provided without any risk-based comparison values to demonstrate that the detection limits are sufficient for a risk evaluation. Include appropriate risk-based values for comparison.

Response 0-10: Agreed. Available risk-based values for ungulates (i.e., deer) were added to the technical memorandum as new Attachment C. These risk-based values represent tissue concentrations in deer that are protective of human health consumption of harvested deer, as derived by the Texas Department of State Health Services (2006). Also included in new Attachment C are measured concentrations of trace minerals in (1) skeletal muscle and liver tissue samples collected from deer harvested in Caddo Lake National Wildlife Refuge (NWR), Texas; (2) bone tissue samples collected from deer harvested in Louisiana; and (3) kidney tissue samples collected from deer harvested in Oklahoma. As indicated in new Attachment C, with one exception for lead, the EDLs and MDLs for the eight primary trace minerals are below available risk-based values for ungulates (e.g., deer) published by the Texas Department of State Health Services (2006), as well as measured concentrations in muscle and liver tissue samples in deer harvested from the Caddo Lake NWR, Texas. The Baseline Mineral Content in Dear for lead in kidney tissue is 0.10 to 0.90 mg/kg; whereas, the EDL and MDL for lead (0.23 and 0.50 mg/kg, respectively) are greater than the lower range.

0-11. Table 3, page 11, Action Levels. The table indicates that no-observable adverse effect level (NOAELs) and lowest observable adverse effect level (LOAELs) will be used for development of action levels in the ecological risk assessment, however, nothing is mentioned for the human health risks. Include appropriate risk-based values for comparison.

Response 0-11: Agreed. Table 3 of the technical memorandum will be revised to state that, as per the future use of data, no-observable-adverse-effect-levels (NOAELs) and lowest-observable-adverse-effect-levels (LOAELs) will be used for the ecological AND HUMAN HEALTH risk assessments.

0-12. Furthermore, the referenced document does not address the issue of data sensitivity relative to potential action levels. Sensitivity is a fundamental factor in

assessing data quality and adequacy for specific uses. As noted in Step 2 of the *Roadmap*, detection levels that are achieved must be appropriate to allow for comparison with applicable project/task action levels. The referenced document should include an evaluation of data sensitivity relative to potential action levels, as specified in Step 2 of the *Roadmap*.

Response 0-12: Agreed. The technical memorandum will be revised to include a discussion of data sensitivity relative to available action levels or risk-based levels. Please note that federal or State action levels for trace minerals in ungulate tissues are not currently available. However, we have identified risk-based concentrations of trace minerals in ungulate tissues that are protective of human health. With one exception, project-specific EDLs and MDLs for the eight primary trace minerals are below risk-based values for ungulates (e.g., deer) published by the Texas Department of State Health Services (2006), as summarized in new Attachment C. The Baseline Mineral Content in Dear for lead in kidney tissue is 0.10 to 0.90 mg/kg; whereas, the EDL and MDL for lead (0.23 and 0.50 mg/kg, respectively) are greater than the lower range.

0-13. Table 3, page 12, Description of Spatial Coverage. The descriptions for game management units 66A and 76 are repeated. Delete the second occurrence.

Response 0-13: Agreed. The redundant descriptions of game management units 66A and 76 in Table 3 will be eliminated.

0-14. Table 3, page 12, Spatial Relevance. The spatial relevance discussion considers that elk harvested outside the 600-square mile home range are background. Elk that do not use the P4/Monsanto mines but that are influenced by other mines in the area should not be considered background. Given the uncertainties associated with variable elk bull, cow, and calf home ranges and migration patterns, potential exposure to multiple mines within the region, and exposure to variable COC concentrations within and between mines, it may not be possible to establish accurate background elk tissue COC concentrations for any mine within the Southeast Idaho Mining Area. However, there may be some studies in Wyoming, Utah, or somewhere else nearby that could be used to support background concentrations. The text should be revised to address this uncertainty in background.

Response 0-14: Please refer to our responses to A/T Comments O-A, O-C and O-8 for a description regarding the preliminary and reclassification processes used to categorize elk tissue samples as control (background). Text in Table 3 will be revised to clarify these processes.

0-15. Furthermore, this section refers to a “home range for elk of approximately 600 square miles” and states that that range is equivalent to a 10-mile radius. P4/Monsanto needs to describe how they determined that a 10-mile radius is equivalent to 600 square miles.

Response 0-15: Please refer to our response to A/T Comment O-A for a description of how the ’10 miles from any mine boundary’ value was derived. Text in Table 3 will be revised accordingly.

0-16. Section 5.0, page12. The A/T recognize that uncertainty is a part of all aspects of the RI/FS or SI/EECA process. However, note that limitations and/or uncertainty

associated with analytical/chemical measurements for the field component is significantly larger than that of the laboratory component only when data of known quality is produced through control of the laboratory analytical process. For data of unknown quality, the laboratory component of the uncertainty can be just as large as or larger than the field component; the same rationale applies when comparing the risk analyses to the chemical analyses and thus the necessity to manage the uncertainty of the chemical data during all phases of the RI/FS or SI/EECA process.

Response 0-16: Comment noted.

0-17. Attachment C. The form in Attachment C poses generic questions and makes conclusions on the quality of data (e.g., fully useable for risk assessment) without consideration of specific intended use. Also, the form includes conclusions prematurely without stepping through all 4 steps of the *Roadmap*. The form in Attachment C is unnecessary if P4/Monsanto follows Steps 1 through 4 of the *Roadmap*. Attachment C should therefore be eliminated from the referenced document.

Response 0-17: Concur.

Editorial Comments

General
Principle when referring to Study Questions should be Principal.

Section 2.0, Page 1, paragraph 1, line 7 (last). Add a closing parenthesis at the end of the sentence.
Section 2.0, Page 1, paragraph 2, line 6. Add “to” between *also* and *be* to read, “. . . was also to be used, to the extent . . .”
Section 3.1, page 2, paragraph 1, line 1. Add “the” between *in* and *table* to read, “The content items listed in the table titled . . .”
Section 3.1, page 2, paragraph 1, line 2. Change *on* to “in.”
Section 3.2, page 7, paragraph 2, indented section, line 6 (last). Should the reference should be McGeehan, 2009b?
Section 4.1, page 7, paragraph 1, line 4. Delete *in tissues previously collected*.
Section 4.2, page 10, paragraph 2, line 2. Change *has* to “have.”
Table 3, page 12, Spatial Relevance, line 2. Change *Are* to “Area.”
Table 3, page 12, Spatial Relevance, line 6. Change *potential* to “potentially.”

Response: All editorial errors will be corrected.

APPENDIX C
Data Quality Assessment – Pre-2004 Data
1999-2001 Bird Egg Samples

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DATA QUALITY ASSESSMENT – PRE-2004 DATA

1999-2001 BIRD EGG SAMPLES

TECHNICAL MEMORANDUM

Final

Revision 0

May 28, 2010

Prepared by:

MWH AMERICAS, INC.

Prepared for:

P4 PRODUCTION, LLC

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ATTACHMENTS

Attachment A - MWH EDD – 1999-2001 Bird Egg Data

ACRONYMS AND ABBREVIATIONS

µg/g	micrograms per gram
µg/L	micrograms per liter
A/T	Agencies and Tribes
AES	atomic emission spectrometer
APCL	Applied Physics & Chemistry Laboratory
BDL	below detection limit
CAS	Chemical Abstracts Service
CCV	continuing calibration verification
Cd	cadmium
CLP	Contract Laboratory Program
COA	Certificate of Analysis
COPEC	contaminant of potential ecological concern
CSM	conceptual site model
DQO	data quality objectives
dw	dry weight
EDD	electronic data deliverable
EDL	estimated detection limit
HRL	House Reference Liver
ICP	inductively coupled plasma
ICS	interference check standard
ICV	initial calibration verification
ID	identification
LCS	laboratory control sample
LIMS	laboratory information management system
LOAEL	lowest-observable-adverse-effect-level
MDL	method detection limit
mg/L	milligrams per liter
MS	matrix spike
MSD	matrix spike duplicate
MWH	MWH Americas, Inc.
NELAC	National Environmental Laboratory Accreditation Conference
NOAEL	no-observable-adverse-effect-level
NRAS	non-routine analytical services
NRC	National Research Council
P4	P4 Production, LLC
PQL	practical quantitation limit
PSQ	principal study question
QC	quality control
RA	risk assessment
RI/FS	remedial investigation and feasibility study
SDG	sample delivery group
Se	selenium
SOP	standard operating procedure
SRM	standard reference material

ACRONYMS AND ABBREVIATIONS (continued)

TORT	lobster hepatopancreas Reference Material for Trace Metals
U of I	University of Idaho
UIASL	University of Idaho Analytical Sciences Laboratory
USEPA	United States Environmental Protection Agency
VGICP	vapor generation inductively coupled plasma

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1.0 INTRODUCTION AND PURPOSE

A significant amount of data associated with the P4 Production, LLC (P4) Southeast Idaho Mines was collected between 1998 and 2003, and is collectively referred to as the "pre-2004 data." P4 has summarized the sampling and analysis efforts related to the collection of these data in the document titled *Pre-2004 Documents and Data Review and Summary for the Historic P4 Production Phosphate Mines, Caribou County, Idaho* (MWH, 2008). The Agencies and Tribes (A/T) have requested additional information to complete an assessment of data quality as described in the *Proposed "Roadmap" for Completing an Assessment of the Quality of the Pre-2004 Data for P4 Production, LLC Mines in Southeast Idaho* dated May 18, 2009 (Roadmap) (IDEQ, 2009).

The purpose of this technical memorandum is to assess the quality of these existing analytical datasets to ensure that the type and quality of the data are appropriate for their intended end use. This process is consistent with the *Guidance for Quality Assurance Project Plans, QA/G-5* (USEPA, 2002) as referenced in the Roadmap (IDEQ, 2009). This technical memorandum specifically addresses the bird egg data collected between 1999 and 2001.

The Roadmap (IDEQ, 2009) provides direction for the "Next Steps to Complete an Assessment of the Pre-2004 Data." The four steps described in the Roadmap (IDEQ, 2009) are consistent with United States Environmental Protection Agency (USEPA) QA/G-5 guidance (USEPA, 2002). This technical memorandum addresses the first two steps: (1) determine data needs, and (2) screen data for use. P4 is seeking concurrence from the A/T with the data quality assessment of the bird egg data provided in this technical memorandum prior to proceeding with the last two steps: (3) validate data, and (4) document data quality.

2.0 BACKGROUND FOR THE 1999-2001 BIRD EGG AND WATER DATA

The 1999-2001 regional avian reproductive success study (MW, 1999) was a cooperative effort between the Idaho Mining Association (IMA) Selenium Committee (Selenium

Committee) and the University of Idaho (U of I) Department of Fish and Wildlife Resources. P4 was one of six member companies of the Selenium Committee. The objective of this study was to assess selenium and cadmium concentrations in bird eggs. Numerous avian species across several trophic groups were evaluated to determine whether or not exposures to avians was occurring, and if so, whether the level of exposure was potentially detrimental to the avian community and, specifically, to populations within the central district (MW, 1999).

The regional avian reproductive success study was implemented in three phases during the three-year effort, which focused on the Blackfoot Reservoir, the Upper Blackfoot River watershed, Alexander Reservoir, and Grays Lake Wildlife Refuge (i.e., the central district). Phase I compared selenium in bird eggs of selected species between mining and background (or reference) sites. Phase II compared reproductive success of bird species between mining and background sites. Phase III was a comparison of selenium levels in bird eggs and the relationship of these levels to individual measures of reproductive success. An additional component of Phase III was to collect collocated water samples for selenium analysis, to evaluate potential sources of exposure for avian species.

The bird egg collection effort was planned and conducted according to the 1999-2000 *Regional Investigation Sampling and Analysis Plan, Southeast Idaho Phosphate Resource Area Selenium Project* (MW, 1999), Appendix B. The results were presented and evaluated in UI (2002). MWH Americas, Inc. (MWH) has the Certificates of Analysis (COAs) for all of the samples collected in 1999-2001, all associated preparation log reports, Quality Control (QC) reports, raw instrument data, and electronic data deliverables (EDDs).

3.0 ADDRESSING OTHER IDENTIFIED CONCERNS PRIOR TO 4-STEP ASSESSMENT

After P4 had submitted the *Pre-2004 Documents and Data Review and Summary for the Historic P4 Production Phosphate Mines, Caribou County, Idaho* (MWH, 2008), the A/T requested P4 to assess completeness of data packages among a representative subset of pre-2004 data packages

from all project laboratories using the content items identified by the A/T. This effort was documented in the table titled "Pre-2004 Data Package Content Assessment, Selected Data Packages." Based on that assessment, the University of Idaho Analytical Sciences Laboratory (UIASL) data packages appeared to be incomplete when compared to the more comprehensive data packages provided by the two commercial laboratories. Additionally, Item No. 2 on page 2 of the Roadmap (IDEQ, 2009) identified a specific concern regarding nonstandard matrices. P4's responses to these concerns are provided in Sections 3.1 and 3.2.

3.1 Addressing A/T Concern Regarding Incomplete Data Packages from the UIASL

The content items applicable to the inductively coupled plasma (ICP) atomic emission spectrometry methods in the table titled "Pre-2004 Data Package Content Assessment, Selected Data Packages" are listed in Table 1 below. The information provided in Table 1 provides a more detailed assessment of the UIASL data packages. Please note that the content items specified by the A/T are based on standards developed by the USEPA Contract Laboratory Program (CLP), SW-846, and the National Environmental Laboratory Accreditation Conference (NELAC). For example, "Form 1 equivalent" is a specific reference to the CLP field/laboratory sample results page and has required data fields. The information listed in Table 1 provides a map to, or summary of, the data in the specific content item in the documentation provided by UIASL. The CLP forms (or equivalent) were developed to provide a summary of the relevant data or information from the laboratory standard operating procedures (SOPs): chain-of-custody forms, sample-receipts, preparation log documents, and instrument data. A summary presentation of these data facilitates review, but the absence of summary forms does not preclude the results from being reviewed or validated. Additionally, Table 1 provides responses to A/T comments regarding the QC samples listed by the A/T as needed for completeness but that were not performed by UIASL (e.g., serial dilutions and interference check standards).

Table 1. Detailed Evaluation of UIASL Data Package Content

Content Item	UIASL Documents [a]	Description/Comment	Assessment/Implication
Table of Contents, pagination, sample summary (a cross-reference of field and laboratory identifications)	Not provided.	Individual data packages are generally several hundred pages long, thus these items are needed for ease of use for data reviewers and validators; having them saves time in navigating the data. Laboratories also include these elements for legal defensibility. MWH has received all available and relevant laboratory documents, and has assembled preparation and analytical batching key as presented in a more detailed electronic data deliverable (EDD or the "MWH EDD") provided as Attachment A. A cross reference of laboratory and field IDs is provided in log-in sheets.	MWH has prepared a more detailed EDD; the validators will be able to more quickly validate the data.
Case Narrative	Not provided.	A case narrative summarizes the analytical findings and identifies discrepancies with respect to the receipt, preparation, and analysis of samples, and provides a statement and/or signature of responsibility for the data report. The case narrative shows that the laboratory has maintained QA/QC for the reported results and provides accountability through the signature of an authorized person. Although a case narrative was not provided, the cover sheet to the sample data is presented on UIASL letterhead and is titled "Certificate of Analysis." The cover sheet has laboratory personnel initials and/or signatures and dates for "1st Level QC" and "2nd Level QC." The 1st Level QC was performed by the laboratory supervisor who verified results of calibration, QC samples, and client samples, and the 2nd Level QC was performed by the laboratory director who review the data	The case narrative provides the reviewer with a "heads up," which gives them an idea of what to expect, but the lack of a case narrative does not prevent a validator from accurately validating the data.

Content Item	UIASL Documents [a]	Description/Comment	Assessment/Implication
		presented in the COA.	
Laboratory Log-in Forms	Provided.	The log-in form documents the condition of samples upon receipt at the laboratory. UIASL log-in sheets note laboratory identification (ID), UIASL Case #, sample type ("Bird's Egg – various"), nest ID, species, date collected, date of sample receipt, and condition of sample upon receipt.	None.
Chain-of-Custody Forms	Provided.	Chains-of-custody documents are typically initiated by the sampler. In this case, the U of I investigators performed the sampling, and they submitted the chain-of-custody documents. The chains-of-custody documents list the field ID, date samples mailed, total number of samples in the shipment, and total number of coolers.	Custody was maintained from time of collection by U of I investigators to time of receipt at UIASL.
Form 1 equivalent [a]	Provided.	Form 1 requires the following items: Lab Name, SDG No., Matrix, Lab Sample ID, Date Received, date analyzed, dilution factor, % solids, units, Chemical Abstracts Service Number (CAS or CAS No.), Analyte, Concentration, and detection limit. Results are reported on a wet-weight basis.	The Lab Name, SDG No., Matrix, Lab Sample ID, Date Received; % solids (or moisture content), units, Analyte, Concentration, and estimated detection limits (EDLs) or method detection limits (MDLs) are provided as UIASL COAs (or "Case #"). CAS, dilution factor, and dry/wet weight reporting basis are not listed on the COA, but are provided in the MWH EDD.
Method or Preparation Blank Results	Not provided.	A method blank is a clean-laboratory matrix that is prepared and analyzed in a manner similar to that of the samples. The blanks that are listed on the preparation logs are not true method blanks since they were not digested. Reagent (or instrument) blanks were prepared with all the acids used to digest the samples prepared with a given batch;	The reagent/instrument blanks would provide all of the same information (that is, identification or presence of acid or glassware contamination) as a method or preparation blank. Blanks are clearly associated on preparation log sheets and raw instrument analytical run summaries;

Content Item	UIASL Documents [a]	Description/Comment	Assessment/Implication
		however, the reagent blanks were not digested. Reagent blanks were prepared and analyzed at a rate or frequency of 10% of samples.	thus, they can be associated to field samples, and field samples can be qualified as needed. Batching is summarized in the MWH EDD.
Laboratory Control Sample (LCS) Recovery Forms [b]	Samples identified as "Lab. Blank Spike" (laboratory identifications with "BS" suffice) are UIASL laboratory control samples; however, these are not true LCSs since they were not digested.	An LCS is a clean-laboratory matrix to which is added known concentration of target analytes and is prepared and analyzed in a manner similar to that of the samples. The LCSs that are listed on the preparation logs are not true LCSs since they were not digested. The LCS Form requires the following items: Lab Name, SDG No., LCS Source, True and Found Concentrations, percent recovery (%R), and acceptance limits. The LCSs (also referred to as fortified blanks or blank spikes) were prepared with all the acids used to digest the samples prepared with a given batch; however, as with the blanks above, the blank spikes were not digested. The UIASL blank spikes were prepared and analyzed at a rate or frequency of 10% of samples.	The Lab Name and SDG No. are documented on the preparation forms. The %Rs are documented on the COAs and the MWH EDD. The acceptance limits are specified in the SOPs. The True Concentrations are documented in the raw data. Since the UIASL blank spikes are not true LCS, this represents uncertainty with respect to controlling the batch based on a prepared, clean-laboratory spike. However, completeness of digestion and documentation of acceptable recoveries on representative matrix can be evaluated using the Standard Reference Material (SRM) data.
Matrix spike/matrix spike duplicate (MS/MSD) Forms [b]	Not provided.	UIASL analyzed triplicates and MS instead of MS/MSD. MS/MSD Form requires Lab Name, SDG No., Matrix, % Solids; Control Limit, Spiked Sample Result, Sample Result, and Spike Added, and %R. The Lab Name, SDG No., Matrix, Spiked Sample Result, and Spiked Result are documented on the preparation forms. % Solids (moisture content) is documented on the COA. The %Rs are documented on the COAs. The Spike Added, Control Limits, and %Rs are documented in the MWH EDD. Control Limits for MSs are not	Lack of a specified acceptance criterion does not preclude establishing a validation criterion for qualification of associated data. The spike concentrations are near the median detected concentration of the samples, so are representative of the sample media.

Content Item	UIASL Documents [a]	Description/Comment	Assessment/Implication
		specified in the SOPs or other laboratory documentation.	
Analytical Run Logs	Not provided.	Analytical run logs are a time sequence of the analysis of laboratory instrument QC samples (calibration and instrument blanks) and prepared ("prep") samples (field samples and batch QC samples). UIASL batch sheets provide information on the prep batch and laboratory instrument QC samples. The raw data packages include a summary of the analytical run sequence. (Note: The "Ref." on the COA contains date and time information, which is not the analytical run time, but rather the date/time the instrument data were uploaded to the laboratory's information management system.)	The analytical dates/times for all calibration, laboratory QC samples, and field samples are recorded on the raw data and are documented on the MWH EDD.
Initial Calibration and Calibration Blanks	Calibration was performed but results were not summarized on forms. Additionally, where two-point calibration was performed for ICP (as discussed in the next column), calibration parameters were not provided in the raw data, so were not available to be summarized on forms.	The initial calibration for vapor generation inductively coupled plasma atomic emission spectrometry (VGICP) and ICP is established from the analysis of a calibration blank and one or more calibration standards at varying concentrations; the high concentration standard establishes the working linear range of the instrument. The slopes and intercepts of 2-point calibration curves and the correlation coefficients for the multipoint calibration curves were not summarized on forms. With the exception noted below, the results of initial calibration are documented on the raw data. *Selenium by VGICP* The laboratory procedure was as follows: • Correlation coefficient (r)	

Content Item	UIASL Documents [a]	Description/Comment	Assessment/Implication
		was determined from a three-point calibration (blank, 50, and 300 μg/L). • The r value was recorded on the raw instrument data. • Laboratory used an acceptance limit of r ≥ 0.995. • Initial calibration was rerun if r < 0.995. • If r ≥ 0.995, then a calibration factor determined from the linear regression was used to determine sample concentration based on instrument response. *Heavy metals by ICP* For samples analyzed between 15 June 1999 and 4 August 1999, the ICP software did not record the slope and intercept for the two-point calibration on the raw data. The laboratory procedure was as follows: • A two-point calibration was established per Section VI.I of SOP SMM.52.0101.01 (blank and 1-5 μg/L (depending on metal). • A slope and intercept were calculated but were not recorded on the raw instrument data. • Instrument responses and reported concentrations can be used to verify a recalculated slope and intercept. For samples analyzed between 12 June 2000 and 14 September 2000, the ICP software automatically recorded the initial calibration correlation coefficient on the raw data. The laboratory procedure was as follows:	ICP: Sample results obtained from daily two-point calibration generated during this timeframe can be verified by the data validators using the example calculation provided in Attachment B of the *Data Quality Assessment – Pre-2004 Data 1999-2000 Elk Tissue Samples Technical Memorandum.*

Content Item	UIASL Documents [a]	Description/Comment	Assessment/Implication
		• A three-point calibration was established using a blank, and 0.2, and 2 or 20 mg/L standards (depending on analyte). • Laboratory used an acceptance criterion of r ≥ 0.995. • Initial calibration was rerun if r < 0.995. The laboratory analyzed a blank to establish initial calibration. Reagent (or instrument) blanks were prepared with all the acids used to digest the samples prepared with a given batch. Reagent blanks were prepared and analyzed at a frequency of 10% of samples.	
Initial Calibration Verification (ICV)	Not performed.	ICV are instrument standards that are analyzed subsequent to the initial calibration. These standards are prepared from a traceable reference material that is from a different source ("second source") as that used to establish the standards used in the initial calibration. The UIASL SOPs do not specify ICV, and ICVs were not analyzed.	An ICV from a second source provides data that ensures that the standards used for the initial calibration were prepared correctly or were not otherwise compromised. As such, the lack of a second-source standard to verify the initial calibration may mean that the calculated sample concentrations are inaccurate. However, UIASL analyzes SRM, and the SRM is within control limits for accuracy, which provides assurance that the initial calibration standards have not been compromised.
Continuing Calibration Verification (CCV)	Performed (identified as "CS" or "check standards" on COAs and raw data) but results were not summarized on	The laboratory analyzed a mid-level concentration CCV to verify calibration. CCVs were analyzed at a frequency of 10%. The %Rs for the CSs are not summarized on a form, but are documented on the COAs and are hand-marked on the raw	Acceptance criteria are not specified in the SOPs or other laboratory documentation; lack of a specified acceptance criterion does not preclude establishing a validation criterion for qualification of associated data.

Content Item	UIASL Documents [a]	Description/Comment	Assessment/Implication
	forms.	data packages.	
ICP Interface Check Sample Recoveries	Not performed.	An interference check standard (ICS) is a standard that contains known concentrations of interfering elements that will provide an adequate test of the correction factors used to address spectral interferences. The UIASL does not specify ICS in the SOPs, and ICSs were not analyzed. The VGICP used at the time of analysis of the 1999-2001 was dedicated to selenium analysis, and did not incorporate interelement correction equations; however, output provided for negative values. The ICP instruments used at the time of analysis of the 1999-2001 bird egg study incorporated interelement correction equations and output provided for negative values.	VGICP: Per Dr, McGeehan, "Given that the chemistry of the hydride formation is highly selective for Se, I don't see this as a limitation of the validity of the data. The only significant interference for Se by hydride that I'm aware of is As." (McGeehan, 2009a).[c] ICP: Per Section 4.2.10 of EPA Method 6010C, "When interelement correction is not used, verification of absence of interference is required," and per Section 7.8, "If the particular instrument will display overcorrection as a negative number, this spiking procedure will not be necessary." Thus, the absence of ICSs does not impact data quality.
Matrix Duplicate	Provided (as triplicates identified with "-1, -2, and -3" suffices).	For each preparation batch, one field sample was selected for triplicate preparation and analysis. Results are reported on COAs, but the relative standard deviations (RSDs) are not calculated or summarized on a form.	Control Limits for replicates are not specified in the SOPs or other laboratory documentation; lack of a specified acceptance criterion does not preclude establishing a validation criterion for qualification of associated data.
Serial Dilution % Differences	Not performed.	Serial dilutions are run to assess sample matrix effects on measurements. For CLPO, one serial dilution is run per batch of analyses. A serial dilution can be performed if the results of MS/MSD are not within control limits. If serial dilution analysis is performed as a result of failing MS/MSD, and does not pass acceptance criterion, then a	The absence of serial dilution does not preclude qualification of associated field samples based on failing MS/MSD. In the case of bird egg data, if MS/MSD %Rs are outside Functional Guideline control limits, and post-digestion spike sample results are not available,

Content Item	UIASL Documents [a]	Description/Comment	Assessment/Implication
		sample matrix effect for affected target analytes is established. The UIASL SOPs do not specify serial dilution samples and serial dilution samples were not analyzed.	associated field results could be flagged based on MS/MSD %Rs.
Low-level Check Standard	Not performed.	Low-level check standard is an instrument standard that contains target analytes at concentration at or near the reporting limits. Low-level check standards were not performed.	The CSs are functionally low-level check standards because they were spiked at concentrations approximately 10 times the EDL. Results are reported on COAs and summarized in the MWH EDD. Control Limits for check standards are not specified in the SOPs or other laboratory documentation; lack of a specified acceptance criterion does not preclude establishing a validation criterion for qualification of associated data.
MDLs and PQLs or RLs	MDLs not performed in 1999; MDLs provided in 2000. RLs not provided.	In 1999, UIASL reported EDLs, which are equivalent to instrument detection levels. MDLs were not developed for tissue samples until 2000 (specifically, sample results in UIASL Case Nos. EJN99-01 through EJY99-03 were reported with EDLs, and results in UIASL Case Nos. EMA00-13 through EJUL01-06 were reported with MDLs). The EDLs are less than approximately 1 to 2 orders of magnitude of the concentrations spiked in the check standards. In 2000, the laboratory reported an MDL of 0.01 μg/g for selenium and 0.025 μg/g for cadmium. The MDLs reported in 2000 were developed using biotic tissue per UIASL SOP.15.008.04 (see Section 3.2 and SOP provided in Attachment C of the *Data Quality Assessment – Pre-2004 Data 1999-2000 Elk Tissue Samples*	The implication of using instrument detection levels could be evaluated at Step 4 of the data assessment process (see additional discussion in Section 3.2 of this Tech Memo).

Content Item	UIASL Documents [a]	Description/Comment	Assessment/Implication
		Technical Memorandum.).	
Standard Reference Material (SRM)	Provided (identified as "TORT" samples); in-house reference material (indentified as "HRL") also provided.	When commercially available, UIASL analyzed TORT, which is externally-supplied (outside vendor) certified SRM. At a rate of 10% of samples, UIASL analyzed internally-prepared reference material identified as "House Reference Liver" (or HRL)[d]. Known or reference concentrations and recoveries for TORT (analyzed when available) and HRL samples are summarized on the Quality Control forms.	The HRLs are spiked at the following concentrations: Se – 0.446 µg/g Cadmium (Cd) – 54.3 µg/g The SRM spike amount for Se was approximately 10 to 100 times greater than that detected in field samples (0.001-0.071 µg/g). A majority of the samples were not detected for Cd. Of the samples containing Cd, the SRM spike amount was approximately 10 to 1,000 times that detected in field samples (0.056-5.100 µg/g).

[a] At the time of analysis and reporting, it was not requested that the laboratory provide full data packages; thus, the laboratory packages consisted only of the COAs, which are paginated. Many COAs were presented with full signature by laboratory personnel, but some had only initials of laboratory personnel. The reports were not assembled with case narratives, chain-of-custody documents, or copies of raw data, so there was no a table of contents or pagination that included these documents. MWH requested chain-of-custody documents, preparation logs, and raw instrument data; UIASL provided all requested documents. A case narrative was not standard practice for the laboratory, so none is available.

[b] Required items such as Contract, Lab Code, Case No., NRAS No, and other CLP-specific coding are USEPA-CLP specific items that are not necessary if work is not performed for CLP so are not listed here.

[c] Spectral and matrix interferences are rare because selenium is volatilized and separated from the sample matrix prior to analysis (thus the material that is analyzed contains little that would interfere with selenium). Arsenic is the only known interferant in the measurement of selenium by ICP hydride. The interference from arsenic is physical rather than spectral. The physical interference is from hydride-formation, which can suppress the signal, resulting in potentially biased low results for selenium. This phenomenon would occur only in the presence of relatively high concentrations of arsenic (Mindak et al, 1999). During the period when the bird egg tissues were analyzed, arsenic was not spiked in the HRL. However, in subsequent years, the HRL was spiked with arsenic at concentration of 48 µg/g, and UIASL routinely runs other SRM (NRC-TORT) which contains 21 µg/g arsenic. UIASL has documented no interference problem with selenium recovery using either of these reference materials.

[d] Preparation of HRL: bovine liver was obtained from the Washington State University School of Veterinary Sciences. A large quantity of the liver was lyophilized, completely homogenized, and spiked with the analytes of interest. Spike concentrations were based on normal and elevated values observed in liver samples analyzed as part of the UIASL Veterinary Toxicology program over a 10 year period. The spiked liver samples were thoroughly homogenized again and analyzed on a properly calibrated instrument. Acceptance ranges (plus or minus 2 standard deviations) were based on a minimum of 10 replicates.

The following summarizes the deficiencies or non-standard laboratory practices that contribute to uncertainty with respect to the quality of the bird egg tissue data:

- At the time of analysis and reporting, it was not requested that the laboratory provide full data packages; thus, the laboratory packages consisted only of the COAs, which are paginated. Many COAs were presented with full signature by laboratory personnel, but some had only initials of laboratory personnel. The reports were not assembled with case narratives, chain-of-custody documents, or copies of raw data, so there was no a table of contents or pagination that included these documents. MWH requested chain-of-custody documents, preparation logs, and raw instrument data; UIASL provided all requested documents. A case narrative was not standard practice for the laboratory, so none is available.

- The UIASL SOPs do not state initial or continuing calibration acceptance criteria. Acceptance criteria for initial calibration data have been provided by UIASL and are summarized in Table 1.

- Laboratory blanks and fortified blanks (or LCSs) were not processed through the exact same procedure as the field and other laboratory QC samples. The exception is that they were not digested.

- MDLs were not established for the samples prepared, analyzed, and reported in 1999. Rather, those data were reported with UIASL EDLs (i.e., instrument detection limits).

- The laboratory did not provide an analytical run log summary.

- Interference check standards were not analyzed.

- UIASL did not have established control limits for matrix spike samples.

- The "known" concentrations reported by UIASL for the internally-prepared HRL were not verified by an external source.

- The concentrations of selenium and cadmium in the UIASL House Reference Liver were approximately 10 to 100 and 10 to 1,000 times greater, respectively, than the concentrations detected in the field samples.

- UIASL no longer retains the documentation of (a) the prepared HRL used, or (b) the MDL study data obtained during the period that the bird egg tissue samples were analyzed.

3.2 Addressing A/T General Observation Regarding Samples with Nonstandard Matrices

The A/T requested P4 to address the following concern regarding nonstandard matrices prior to working through the first step of the assessment:

> The biota matrix extraction/digestion information for all labs needs further evaluation. P4 should evaluate the biota sample extraction/digestion preparation procedures and the associated QC to determine if data validation is possible. This is needed to ensure that the recovery of the compounds of concern was appropriate (for example, was there sufficient extraction/digestion from the site sample into the solvent media that is run through the instrument). With nonstandard matrices, it is quite common that the compounds/analytes of concern are not sufficiently recovered into the sample that is being measured. As a result, the instrument's output may meet the project/laboratory QC criteria but the final result is not representative of the site sample.

P4 has evaluated the extraction/digestion preparation procedure and associated QC samples and has determined that data validation is possible. The following laboratory SOPs (provided as Attachment C of the *Data Quality Assessment – Pre-2004 Data 1999-2000 Elk Tissue Samples Technical Memorandum*) specify detailed information on preparing and digesting tissue samples and method validation:

- UIASL SOP SMM.52.080.05: Total Selenium in Biological Tissue by Vapor Generation ICP (VGICP);
- UIASL SOP SMM.52.010.01: Heavy Metals in Biological Tissue by ICP; and
- UIASL SOP.15.008.04: Procedures for Organic EPA Method Validation (UIASL confirmed that the SOP also applies to inorganic methods).

The preparation log sheets for each method follow one-to-one the preparation steps listed in Section V (Sample Preparation) of the ICP SOPs. For the selenium analysis by VGICP, the SRMs were spiked at 100 times the EDL (or 0.446 μg/g compared to the EDL of 0.005 μg/g). All bird egg samples had detected concentrations of selenium, with a range of 0.06-7.40 μg/g and a median of 0.68 μg/g. Since the SRM spike level is near the median detected concentration and there were no samples that were non-detect for selenium, the existing laboratory data support a sufficient level of confidence that selenium was efficiently and completely digested from the biotic sample matrix.

The current Director of UIASL, Steven McGeehan, Ph.D., responded to the A/T's concern as follows:

> We analyze hundreds of these sample types each year as part of our Veterinary Toxicology program. We also collaborate with several other vet-tox labs across the country on Se methodology (including sample preparation, digestion, and instrumentation). I am quite confident in stating that the digestion preparation procedure was more than adequate to insure complete recovery of Se in the sample being measured (McGeehan, 2009b).

These inter-laboratory veterinary toxicology data could also be evaluated and presented at Step 4.

4.0 ADDRESSING NEXT STEPS TO COMPLETE AN ASSESSMENT OF THE PRE-2004 DATA

The section of the Roadmap titled "Next Steps to Complete an Assessment of the Pre-2004 Data" identified the following four steps for assessing the pre-2004 data (IDEQ, 2009):

1. determine data needs;
2. screen data for use;
3. validate data; and
4. document data quality.

The first two steps are evaluated in Sections 4.1 and 4.2.

4.1 Determine Data Needs

The intended uses of the bird egg and collocated surface water data are to support the remedial investigation and feasibility study (RI/FS) for the P4 mines, and to assist P4 and the AT in making informed risk management decisions regarding whether or not past P4 mining activities are potentially impacting populations of avian receptors. The bird egg data represents one line of evidence and will be evaluated in conjunction with other lines of

evidence (e.g., action levels and collocated surface water data). Specifically, the 1999-2001 bird egg data could be used as follows:

- Ecological Risk Assessment: The ecological risk assessment for P4 will utilize the results and conclusions of the 1999-2001 regional reproductive success study (MW, 1999; UI, 2002) in a qualitative, weight-of-evidence evaluation of potential impacts of selenium and cadmium on regional and local avian populations. The ecological risk assessment will also use the bird egg data collected from areas potentially impacted by the P4 mines, as well as background areas in a semi-quantitative screening assessment. Specifically, concentrations of selenium and cadmium in bird eggs will be compared to published concentrations of these trace metals in the tissue of the same or similar organisms that represent a no-observable-adverse-effect-level (NOAEL) or a lowest-observable-adverse-effect-level (LOAEL). If concentrations of trace metals in bird eggs exceed LOAEL concentrations of these trace metals in the same or similar organisms, then it could be concluded that there is a potential for ecological risks to avian receptors associated with foraging on P4's Ballard, Henry, and Enoch Valley mines or their associated surface water bodies. Similarly, in order to aid in the assessment of impacts on avian populations, collocated surface water data will be compared to bird egg data in a qualitative evaluation of spatial trends between surface water and bird eggs in regard to selenium and cadmium concentrations. Results and conclusions of the ecological risk assessment will be used for risk management decisions at the P4 sites.

Data needs were determined using systematic planning with the USEPA data quality objectives (DQO) process (USEPA QA/G4 guidance, data quality objectives process; USEPA, 2000). In this case, the DQOs are used to guide decisions on whether existing data are of the appropriate type and quality to support specific intended uses (i.e., risk assessment, site characterization, data gap analysis, or scoping).

Table 2. Bird Egg Data Quality Objectives

Step 1 -State the Problem	Levels of targeted trace elements may be elevated in bird egg tissues as a result of increased exposures related to phosphate mining. The quantified threat of ecological impacts, if any, is not well defined.
Step 2 – Identify the Goals of the Study	Principal Study Question 1 (PSQ1): Are sufficient bird egg contaminant of potential ecological concern (COPEC) concentration data available to characterize the nature and extent of trace mineral exposures in avian receptors foraging within the Southeast Idaho Phosphate Resource Area, in support of P4 RI/FS activities?

	Alternative Actions: 1. No action. Existing data are of adequate quality and quantity to characterize the nature and extent of trace mineral exposures in avian receptors foraging within the Southeast Idaho Phosphate Resource Area. 2. Collect bird egg data to provide additional COPEC concentration data and spatial coverage. Decision Statement: Decide whether sufficient data (number of bird egg samples and spatial coverage) are available to adequately characterize the nature and extent of bird egg contamination at potential source areas. Principal Study Question 2 (PSQ2): Are data sufficient to determine if risk-based screening levels and/or action levels for avian receptors are exceeded within areas influenced by the P4 mines? Alternative Actions: 1. No action. Bird egg data are sufficient and risk screening indicates that COPECs do not exceed risk-based screening levels. 2. Some COPEC concentrations exceed risk-based screening levels. Decision Statement: Decide what additional bird egg data are needed so that comparisons can be made to appropriate ecological screening levels. Principal Study Question 3 (PSQ3): Are bird egg data sample numbers and coverage sufficient to support analyses in RA and FS (e.g., are selenium levels in bird eggs at concentrations that may adversely affect avian populations)? Alternative Actions: 1. No action. Existing data are of adequate quality and coverage to conduct RA and FS analyses for the P4 mines. 2. Collect additional bird egg data to provide supporting data for RA and FS analyses. Decision Statement: Decide whether sufficient bird egg COPEC and coverage data are available to sufficiently support RA and FS studies and collect additional data, as needed.
Step 3 – Identify Information Inputs	The information inputs for the decision process includes the following items that may exist or will need to be collected – • list of COPECs • conceptual site models (CSMs) • sample location maps (spatial coverage of existing data) • laboratory quality information • risk-based screening benchmarks for COPECs • bird egg COPEC data (existing; use of existing data will be dependent

	upon evaluations of data usability and data validation)
Step 4 – Define the Boundaries of the Study	<u>Spatial Boundaries:</u> The pre-2004 bird egg data collected for the Idaho Mining Association included data potentially impacted by regional phosphate mining, and background data located within the vicinity of the Alexander Reservoir and Grays Lake National Wildlife Refuge. In order for the data to be used to assess issues at the P4 mines, bird egg samples had to have been impacted solely by the P4 mines. To indentify bird egg data for the P4 risk assessments that are spatially-relevant to the mines (designated as "Mine" in the "Spatial Relevance" column of Attachment A) , a set of decision criteria was created as follows: 1) If bird egg data were collected from locations within a specific P4 mine, the data are included. Although a few birds nesting within the P4 mines had foraging ranges which might include potential impacts from other mines, the highest contributor to bird egg concentrations was still considered to be the P4 mine. 2) If bird egg data were collected from locations outside of the P4 mines, but within direct drainage areas lacking inputs from other mines, the data are included. Although a few birds nesting within the direct drainage of target mines had foraging ranges which might include potential impacts from other mines, the highest contributor is considered to be the P4 mines. 3) If selected foraging radii for avian species nesting outside of the P4 mines would potentially allow them to forage within the direct drainage of a P4 mine or within the P4 mine itself, the egg data are included. 4) If bird egg data were collected from locations next to the Monsanto haul road, the data are included. Background data were selected from Grays Lake Wildlife Refuge, which is located north of the P4 mines, and the Alexander Reservoir area, which is located southwest of the P4 mines. These data are identified as "Background" in the "Spatial Relevance" column of Attachment A for the 1999-2001 regional reproductive success study (MW, 1999; UI, 2002) and are included as potential background data for the P4 risk assessments. (All other samples are designated as "Regional" in the "Spatial Relevance" column of Attachment A.) Bird egg data are not included if samples were collected from waterways such as Sheep Creek, Angus Creek, the Blackfoot River, or the Blackfoot Reservoir because these water bodies are potentially impacted by several mines, including non-P4 mine sites. Because these data cannot be attributed to one source, they are not useful for the characterization of exposures or risks associated with potential releases of trace minerals from the P4 mines. Similarly, data for bird egg samples collected from locations at non-P4 mines or direct drainage areas of non-P4 mines, are not included in the P4 bird egg dataset. <u>Temporal Boundary:</u> • Existing bird egg data from 1999-2001.
Step 5 – Develop the Analytic Approach	The analytical methods used to process bird egg tissue samples are as listed as follows: • Total selenium in biological tissue by VGICP

	• Total cadmium in biological tissue by ICP
Step 6 – Specify Acceptance Criteria	Data will be validated to the extent possible with any qualifiers assigned. Use of data will be limited to the restrictions of qualifiers, if any.
Step 7 – Develop the Plan for Existing Data	Existing bird egg data will be evaluated for quality and intended final use by reviewing laboratory quality data and risk assessment needs. Validation will proceed upon A/T acceptance of quality evaluation and intended final use.

4.2 Screen Data for Use

This section presents the screening assessment as outlined in Step 2 of the Roadmap (IDEQ, 2009). This screening assessment consists of introductory text, a summary table (Table 3), and the analytical data, including preparation and analytical batching information, provided as Attachment A.

The summary table contains the following information:

- pre-2004 data episode;
- analytical laboratory;
- matrix;
- target analytes;
- detection limits;
- action levels;
- description of spatial coverage;
- other relevant comments or notes on the parameters per the DQOs; and
- a final column indicating whether the data passes for the next step of the assessment.

Table 3. Screening Summary for the 1999-2001 Bird Egg Data

Pre-2004 Data Episode:	1999-2001 Bird Egg Data
Analytical Laboratory:	<u>Primary Laboratory</u> University of Idaho Analytical Sciences Laboratory (UIASL) Holm Research Center Moscow, ID 83844-2203 (208) 885-7900 Point of Contact: Janet Snow (jsnow@uidaho.edu) (208) 885-5809 Laboratory Director: Steven McGeehan, Ph.D. <u>Quality Assurance (QA) Laboratory</u> Applied Physics & Chemistry Laboratory (APCL)

	13760 Magnolia Ave. Chino, CA 91710 (909) 590-1828 QA/QC Director: Kevin Xie, Ph.D. Please note: APCL closed the laboratory in spring 2006.
Matrix:	Biota (bird egg)
Target Analytes and Detection Limits:	

Analyte	EDL/MDL, µg/g (wet wt)	Instrument	UIASL SOP
Selenium (1999)	0.005	VGICP	SMM.52.080.05
Cadmium (1999)	0.02	ICP, AES	SMM.52.010.01
Selenium (2000-2001)	0.01	VGICP	SMM.52.080.05
Cadmium (2000)	0.025	ICP, AES	SMM.52.010.01

EDL - estimated detection limit
ICP, AES - inductively coupled plasma atomic emission spectrometer

Analytical Package Summary:

UIASL Case #	UIASL Sample ID Ranges
EJN99-01	E9900070 – E9900093
EJN99-03	E9900114 – E9900126
EJN99-04	E9900127 – E9900145
EJN99-12	E9900295 – E9900311
EJN99-14	E9900313 – E9900330
EJN99-15	E9900331 – E9900343
EJN99-16	E9900344 – E9900383
EJN99-19	E9900399 – E9900422
EJY99-01	E9900423 – E9900460
EJY99-03	E9900467 – E9900475
EMA00-13	E0000523 – E0000534
EMA00-30	E0000654 – E0000676
EMA00-33	E0000685 – E0000712
EJN00-01	E0000713 – E0000735
EJN00-04	E0000738 – E0000765
EJN00-05	E0000766 – E0000775
EJN00-08	E0000822 – E0000865
EJN00-09	E0000866 – E0000893
EJN00-12	E0000899 – E0000928
EJN00-13	E0000929 – E0000954
EJN00-15	E0000958 – E0000967
EJN00-16	E0000968 – E0001000
EJN00-18	E0001009 – E0001038
EJY00-06	E0001149 – E0001174
EMAY01-20	E0100466 – E0100477
EMAY01-26	E0100506 – E0100527
EMAY01-29	E0100538 – E0100558
EMAY01-35	E0100594 – E0100629
EMAY01-38	E0100635 – E0100680
EJUN01-01	E0100681 – E0100717
EJUN01-02	E0100718 – E0100762
EJUN01-04	E0100775 – E0100835
EJUN01-05	E0100838 – E0100849
EJUN01-16	E0100972 – E0101004

	EJUN01-20 E0101092 – E0101146 EJUL01-03 E0101282 – E0101334 EJUL01-06 E0101354 – E0101361 **APCL Service ID (QA)** / **APCL Sample IDs *** 01-05036 / 01-05036-1 through 01-05036-35 (Corresponds, respectively, to UIASL IDs E0100474, 515, 538, 549, 555, 597, 613, 626, 635, 651, 659, 677, 686, 697, 702, 708, 719, 729, 739, 745, 785, 803, 814, 833, 838, 977, 987, 1000, 1095, 1102, 1113, 1126, 1289, 1299, 1311.) * Note on chain-of-custody states: "All samples have been homogenized but may separate during shipping. Please remix before analysis." The comment indicates that samples were prepared at UIASL, and the prepared samples were digested and analyzed at APCL.
Action Levels:	Adams et al. (2002) reported EC10 concentrations for selenium in bird egg tissues equal to 12-14 mg/kg dry weight (dw) based upon mallard egg inviability and duckling mortality. Therefore, 12–14 mg/kg dw represents a potential action level for selenium in bird egg tissues. Leach et al. (1979) reported that hens fed up to 48 mg/kg cadmium in feed had a mean concentration of 0.22 mg/kg dw in egg tissues; no effects on egg weight or shell thickness were observed at this concentration of cadmium in egg tissues. Therefore 0.22 mg/kg dw represents a potential action level for cadmium in bird egg tissues. When these potential action levels for selenium and cadmium are normalized to wet weight concentrations, assuming a bird egg moisture content of approximately 75%, the corresponding wet weight action levels for selenium and cadmium are 3 – 3.5 mg/kg and 0.055 mg/kg, respectively. The EDLs and MDLs for selenium and cadmium in bird egg tissues are below these potential action levels.
Description of Spatial Coverage:	Available nesting locations within the Blackfoot Reservoir, the Upper Blackfoot River watershed, Alexander Reservoir, and Grays Lake Wildlife Refuge (i.e., the central district) were sampled as part of the 1999-2001 regional avian reproductive success study. However, only bird egg data collected from nest sites that are reasonably anticipated to receive exposures to trace minerals released from the P4 mines, or from nest sites that are considered to represent background conditions, as described in Table 2, Spatial Boundaries, are proposed for potential use in the RI/FS. Bird egg samples were collected from terrestrial and riparian areas, and from species representative of various food guilds and trophic levels.
Spatial Relevance:	Nesting locations and subsequent bird egg samples meeting the decision criteria presented in Table 2, Spatial Boundaries, are spatially relevant to the P4 mines and background locations.
Determine Whether Data Passes for the Next Step of the Assessment:	The data associated with samples designated as "Mine" or "Background" (as referenced above and per Step 4 of the DQOs, and as assigned in Attachment A) are spatially relevant and should be processed through Step 3 (data validation) of the Roadmap (IDEQ, 2009) since they may be used quantitatively in the RI/FS ecological risk assessment. The data associated with all other samples ("Regional") and all collocated surface water samples should not be processed through Step 3 because these data are not proposed for potential quantitative use in the RI/FS ecological risk assessment.

5.0 PATH FORWARD

If the A/T concurs with the assessments presented herein for Steps 1 and 2 (determine data needs and screen data for use), P4 will prepare data validation report templates for the VGICP and ICP methods. After the templates have been reviewed and approved, a third-party data validation firm will validate only the spatially-relevant sample data (Step 3) as described in Table 3 per the criteria documented on the templates and provide written reports and electronic flagged data for uploading to the P4 project database. P4 will then proceed with Step 4 (document data quality) of the Roadmap (IDEQ, 2009).

The following excerpts are extracted from USEPA's 1992 Guidance for Data Usability in Risk Assessment (Part A) – Final (USEPA, 1992):

- Data are almost always useable in the risk assessment process, as long as the uncertainty in the data and its impact on the risk assessment are thoroughly explained.
- The analytical data objective for baseline risk assessments is that uncertainty is known and acceptable, not that uncertainty be reduced to a particular level.
- Uncertainties in toxicological measures and exposure assessment are often assumed to be greater than uncertainties in environmental analytical data; thus, they are assumed to have a more significant effect on the uncertainty of the risk assessment.
- Sampling variability typically contributes much more to total error than analytical variability.
- Field methods can produce legally defensible data if appropriate method QC is available and if documentation is adequate.
- Qualified data can usually be used for quantitative risk assessment.
- Use data qualified as U (non-detect) or J (estimated) for risk assessment purposes.
- The primary planning objective is that uncertainty levels are acceptable, known and quantifiable, not that uncertainty is eliminated.

Further, USEPA acknowledges in its guidance that uncertainties in the analytical data are typically less than uncertainties in other portions of the risk assessment, including the exposure assessment and toxicity information (Section 2.1.4, USEPA, 1992).

6.0 REFERENCES

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ATTACHMENT A
MWH EDD – 1999-2001 Bird Egg Data

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ATTACHMENT A
MWH EDD - 1999-2001 BIRD EGG TISSUE DATA
(Page 1 of 6)

Event	UIASL Case #	UIASL Sample ID	Field Sample ID	Collection Date	Matrix	QC Type	Common Name	Spatial Relevance	CAS #	Method	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% Rec	QC Flag	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
1999 E1	EJN99-01	CHK STD 1	Check Standard	NA	Lab QC	CCV	NA	NA	7440-43-9	ICP - AES	Cadmium	-0.0157	0.02	EDL	ug/g	Wet Wt	1	1.000			ICP_06-15-99	061599HMS	6/15/1999	6/15/1999	10:35
1999 E1	EJN99-01	CHK STD 2	Check Standard	NA	Lab QC	CCV	NA	NA	7440-43-9	ICP - AES	Cadmium	1.0070	0.02	EDL	ug/g	Wet Wt	1	1.000	101		ICP_06-15-99	061599HMS	6/15/1999	6/15/1999	10:59
1999 E1	EJN99-01	CHK STD 2	Check Standard	NA	Lab QC	CCV	NA	NA	7440-43-9	ICP - AES	Cadmium	0.9726	0.02	EDL	ug/g	Wet Wt	1	1.000	97		ICP_06-15-99	061599HMS	6/15/1999	6/15/1999	11:22
1999 E1	EJN99-01	CHK STD 2	Check Standard	NA	Lab QC	CCV	NA	NA	7440-43-9	ICP - AES	Cadmium	0.9922	0.02	EDL	ug/g	Wet Wt	1	1.000	99		ICP_06-15-99	061599HMS	6/15/1999	6/15/1999	12:25
1999 E1	EJN99-01	CHK STD 2	Check Standard	NA	Lab QC	CCV	NA	NA	7440-43-9	ICP - AES	Cadmium	0.9670	0.02	EDL	ug/g	Wet Wt	1	1.000	97		ICP_06-15-99	061599HMS	6/15/1999	6/15/1999	13:02
1999 E1	EJN99-01	E9900070	CAGO DG4 5/20	05/20/99	Tissue	Triplicate	Canada Goose	Background	7440-43-9	ICP - AES	Cadmium	-0.15	0.02	EDL	ug/g	Wet Wt	1				ICP_06-15-99	061599HMS	6/15/1999	6/15/1999	11:05
1999 E1	EJN99-01	E9900070	CAGO DG4 5/20	05/20/99	Tissue	Triplicate	Canada Goose	Background	7782-49-2	ICP, Hydride	Selenium	0.23	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-18-99	0616SEMW	6/18/1999	6/18/1999	11:21
1999 E1	EJN99-01	E9900070	CAGO DG4 5/20	05/20/99	Tissue	Triplicate	Canada Goose	Background		Gravimetric	Moisture Content	72	1	NA	%	NA	1								
1999 E1	EJN99-01	E9900070-2	CAGO DG4 5/20	05/20/99	Tissue	Triplicate	Canada Goose	Background	7440-43-9	ICP - AES	Cadmium	-0.14	0.02	EDL	ug/g	Wet Wt	1				ICP_06-15-99	061599HMS	6/15/1999	6/15/1999	11:07
1999 E1	EJN99-01	E9900070-2	CAGO DG4 5/20	05/20/99	Tissue	Triplicate	Canada Goose	Background	7782-49-2	ICP, Hydride	Selenium	0.2	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-18-99	0616SEMW	6/18/1999	6/18/1999	11:24
1999 E1	EJN99-01	E9900070-2	CAGO DG4 5/20	05/20/99	Tissue	Triplicate	Canada Goose	Background		Gravimetric	Moisture Content	72	1	NA	%	NA	1								
1999 E1	EJN99-01	E9900070-3	CAGO DG4 5/20	05/20/99	Tissue	Triplicate	Canada Goose	Background	7440-43-9	ICP - AES	Cadmium	-0.14	0.02	EDL	ug/g	Wet Wt	1				ICP_06-15-99	061599HMS	6/15/1999	6/15/1999	11:09
1999 E1	EJN99-01	E9900070-3	CAGO DG4 5/20	05/20/99	Tissue	Triplicate	Canada Goose	Background	7782-49-2	ICP, Hydride	Selenium	0.22	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-18-99	0616SEMW	6/18/1999	6/18/1999	11:26
1999 E1	EJN99-01	E9900070-3	CAGO DG4 5/20	05/20/99	Tissue	Triplicate	Canada Goose	Background		Gravimetric	Moisture Content	72	1	NA	%	NA	1								
1999 E1	EJN99-01	E9900070B	Laboratory Blank	NA	Lab QC	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	-0.0140	0.02	EDL	ug/g	Wet Wt	1				ICP_06-15-99	061599HMS	6/15/1999	6/15/1999	11:01
1999 E1	EJN99-01	E9900070C1	Check Standard	NA	Lab QC	ICV	NA	NA	7440-43-9	ICP - AES	Cadmium	5.0100	0.02	EDL	ug/g	Wet Wt	1	5.000	100		ICP_06-15-99	061599HMS	6/15/1999	6/15/1999	10:39
1999 E1	EJN99-01	E9900070C2	Check Standard	NA	Lab QC	ICV	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.283	0.005	EDL	ug/g	Wet Wt	1	0.300	94		VGICP_06-18-99	0616SEMW	6/18/1999	6/18/1999	11:11
1999 E1	EJN99-01	E9900070CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7440-43-9	ICP - AES	Cadmium	0.9957	0.02	EDL	ug/g	Wet Wt	1	1.000	100		ICP_06-15-99	061599HMS	6/15/1999	6/15/1999	10:37
1999 E1	EJN99-01	E9900070MS	CAGO DG4 MS	NA	Tissue	MS	NA	Background	7440-43-9	ICP - AES	Cadmium	111	NA	NA	%				111		ICP_06-15-99	061599HMS	6/15/1999	6/15/1999	11:12
1999 E1	EJN99-01	E9900070MS	CAGO DG4 MS	NA	Tissue	MS	NA	NA	7782-49-2	ICP, Hydride	Selenium	96	NA	NA	%				96		VGICP_06-18-99	0616SEMW	6/18/1999	6/18/1999	11:29
1999 E1	EJN99-01	E9900070SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	56.110	0.02	EDL	ug/g	Wet Wt	1	54.3	103		ICP_06-15-99	061599HMS	6/15/1999	6/15/1999	11:03
1999 E1	EJN99-01	E9900070SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.445	0.01	EDL	ug/g	Wet Wt	1	0.446	100		VGICP_06-18-99	0616SEMW	6/18/1999	6/18/1999	11:19
1999 E1	EJN99-01	E9900071	CAGO NB3 5/26	05/26/99	Tissue	Primary	Canada Goose	Background	7440-43-9	ICP - AES	Cadmium	-0.13	0.02	EDL	ug/g	Wet Wt	1				ICP_06-15-99	061599HMS	6/15/1999	6/15/1999	11:14
1999 E1	EJN99-01	E9900071	CAGO NB3 5/26	05/26/99	Tissue	Primary	Canada Goose	Background	7782-49-2	ICP, Hydride	Selenium	0.19	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-18-99	0616SEMW	6/18/1999	6/18/1999	11:32
1999 E1	EJN99-01	E9900071	CAGO NB3 5/26	05/26/99	Tissue	Primary	Canada Goose	Background		Gravimetric	Moisture Content	69	1	NA	%	NA	1								
1999 E1	EJN99-01	E9900072	CAGO ML5 5/26	05/26/99	Tissue	Primary	Canada Goose	Background	7440-43-9	ICP - AES	Cadmium	-0.11	0.02	EDL	ug/g	Wet Wt	1				ICP_06-15-99	061599HMS	6/15/1999	6/15/1999	11:16
1999 E1	EJN99-01	E9900072	CAGO ML5 5/26	05/26/99	Tissue	Primary	Canada Goose	Background	7782-49-2	ICP, Hydride	Selenium	0.24	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-18-99	0616SEMW	6/18/1999	6/18/1999	11:35
1999 E1	EJN99-01	E9900072	CAGO ML5 5/26	05/26/99	Tissue	Primary	Canada Goose	Background		Gravimetric	Moisture Content	70	1	NA	%	NA	1								
1999 E1	EJN99-01	E9900072D	CAGO ML5 5/26	05/26/99	Tissue	Lab Dupl	Canada Goose	Background		Gravimetric	Moisture Content	70	1	NA	%	NA	1								
1999 E1	EJN99-01	E9900073	CAGO MW4 5/20	05/20/99	Tissue	Triplicate	Canada Goose	Background	7440-43-9	ICP - AES	Cadmium	-0.14	0.02	EDL	ug/g	Wet Wt	1				ICP_06-15-99	061599HMS	6/15/1999	6/15/1999	11:18
1999 E1	EJN99-01	E9900073	CAGO MW4 5/20	05/20/99	Tissue	Triplicate	Canada Goose	Background	7782-49-2	ICP, Hydride	Selenium	0.26	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-18-99	0616SEMW	6/18/1999	6/18/1999	11:38
1999 E1	EJN99-01	E9900073	CAGO MW4 5/20	05/20/99	Tissue	Triplicate	Canada Goose	Background		Gravimetric	Moisture Content	71	1	NA	%	NA	1								
1999 E1	EJN99-01	E9900073-2	CAGO MW4 5/20	05/20/99	Tissue	Triplicate	Canada Goose	Background	7440-43-9	ICP - AES	Cadmium	-0.14	0.02	EDL	ug/g	Wet Wt	1				ICP_06-15-99	061599HMS	6/15/1999	6/15/1999	11:20
1999 E1	EJN99-01	E9900073-2	CAGO MW4 5/20	05/20/99	Tissue	Triplicate	Canada Goose	Background	7782-49-2	ICP, Hydride	Selenium	0.22	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-18-99	0616SEMW	6/18/1999	6/18/1999	11:41
1999 E1	EJN99-01	E9900073-2	CAGO MW4 5/20	05/20/99	Tissue	Triplicate	Canada Goose	Background		Gravimetric	Moisture Content	71	1	NA	%	NA	1								
1999 E1	EJN99-01	E9900073-3	CAGO MW4 5/20	05/20/99	Tissue	Triplicate	Canada Goose	Background	7440-43-9	ICP - AES	Cadmium	-0.14	0.02	EDL	ug/g	Wet Wt	1				ICP_06-15-99	061599HMS	6/15/1999	6/15/1999	11:24
1999 E1	EJN99-01	E9900073-3	CAGO MW4 5/20	05/20/99	Tissue	Triplicate	Canada Goose	Background	7782-49-2	ICP, Hydride	Selenium	0.22	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-18-99	0616SEMW	6/18/1999	6/18/1999	11:43
1999 E1	EJN99-01	E9900073-3	CAGO MW4 5/20	05/20/99	Tissue	Triplicate	Canada Goose	Background		Gravimetric	Moisture Content	70	1	NA	%	NA	1								
1999 E1	EJN99-01	E9900073B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	-0.015	0.02	EDL	ug/g	Wet Wt	1				ICP_06-15-99	061599HMS	6/15/1999	6/15/1999	11:29
1999 E1	EJN99-01	E9900073BS	Lab Blank Spike	NA	Lab QC	LCS	NA	NA	7440-43-9	ICP - AES	Cadmium	1.070	0.02		%			1.000	107		ICP_06-15-99	061599HMS	6/15/1999	6/15/1999	11:33
1999 E1	EJN99-01	E9900073MS	CAGO MW4 MS	NA	Tissue	MS	NA	NA	7440-43-9	ICP - AES	Cadmium	112	NA	NA	%				112		ICP_06-15-99	061599HMS	6/15/1999	6/15/1999	11:27
1999 E1	EJN99-01	E9900073SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	57.900	0.02	EDL	ug/g	Wet Wt	1	54.3	107		ICP_06-15-99	061599HMS	6/15/1999	6/15/1999	11:31
1999 E1	EJN99-01	E9900074	CAGO MW8 5/23	05/23/99	Tissue	Primary	Canada Goose	Mine	7440-43-9	ICP - AES	Cadmium	-0.097	0.02	EDL	ug/g	Wet Wt	1				ICP_06-15-99	061599HMS	6/15/1999	6/15/1999	11:35
1999 E1	EJN99-01	E9900074	CAGO MW8 5/23	05/23/99	Tissue	Primary	Canada Goose	Mine	7782-49-2	ICP, Hydride	Selenium	0.45	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-18-99	0616SEMW	6/18/1999	6/18/1999	11:47
1999 E1	EJN99-01	E9900074	CAGO MW8 5/23	05/23/99	Tissue	Primary	Canada Goose	Mine		Gravimetric	Moisture Content	71	1	NA	%	NA	1								
1999 E1	EJN99-01	E9900074B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	-0.000853	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-18-99	0616SEMW	6/18/1999	6/18/1999	11:49
1999 E1	EJN99-01	E9900074BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0485	0.005	EDL	ug/g	Wet Wt	1	0.050	97		VGICP_06-18-99	0616SEMW	6/18/1999	6/18/1999	11:55
1999 E1	EJN99-01	E9900074CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0482	0.005	EDL	ug/g	Wet Wt	1	0.050	96		VGICP_06-18-99	0616SEMW	6/18/1999	6/18/1999	11:52
1999 E1	EJN99-01	E9900074SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.430	0.005	EDL	ug/g	Wet Wt	1	0.446	96		VGICP_06-18-99	0616SEMW	6/18/1999	6/18/1999	11:58
1999 E1	EJN99-01	E9900075	CAGO MW11 5/26	05/26/99	Tissue	Primary	Canada Goose	Background	7440-43-9	ICP - AES	Cadmium	-0.13	0.02	EDL	ug/g	Wet Wt	1				ICP_06-15-99	061599HMS	6/15/1999	6/15/1999	11:37
1999 E1	EJN99-01	E9900075	CAGO MW11 5/26	05/26/99	Tissue	Primary	Canada Goose	Background	7782-49-2	ICP, Hydride	Selenium	0.36	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-18-99	0616SEMW	6/18/1999	6/18/1999	12:01
1999 E1	EJN99-01	E9900075	CAGO MW11 5/26	05/26/99	Tissue	Primary	Canada Goose	Background		Gravimetric	Moisture Content	71	1	NA	%	NA	1								
1999 E1	EJN99-01	E9900076	CAGO MW13 5/26	05/26/99	Tissue	Primary	Canada Goose	Background	7440-43-9	ICP - AES	Cadmium	-0.13	0.02	EDL	ug/g	Wet Wt	1				ICP_06-15-99	061599HMS	6/15/1999	6/15/1999	11:39
1999 E1	EJN99-01	E9900076	CAGO MW13 5/26	05/26/99	Tissue	Primary	Canada Goose	Background	7782-49-2	ICP, Hydride	Selenium	0.23	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-18-99	0616SEMW	6/18/1999	6/18/1999	12:04
1999 E1	EJN99-01	E9900076	CAGO MW13 5/26	05/26/99	Tissue	Primary	Canada Goose	Background		Gravimetric	Moisture Content	62	1	NA	%	NA	1								
1999 E1	EJN99-01	E9900077	AMCO ML2 5/20	05/20/99	Tissue	Primary	American Coot	Background	7440-43-9	ICP - AES	Cadmium	-0.15	0.02	EDL	ug/g	Wet Wt	1				ICP_06-15-99	061599HMS	6/15/1999	6/15/1999	11:41
1999 E1	EJN99-01	E9900077	AMCO ML2 5/20	05/20/99	Tissue	Primary	American Coot	Background	7782-49-2	ICP, Hydride	Selenium	0.35	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-18-99	0616SEMW	6/18/1999	6/18/1999	12:07
1999 E1	EJN99-01	E9900077	AMCO ML2 5/20	05/20/99	Tissue	Primary	American Coot	Background		Gravimetric	Moisture Content	76	1	NA	%	NA	1								
1999 E1	EJN99-01	E9900078	AMCO MW1 5/20	05/20/99	Tissue	Primary	American Coot	Regional	7440-43-9	ICP - AES	Cadmium	-0.14	0.02	EDL	ug/g	Wet Wt	1				ICP_06-15-99	061599HMS	6/15/1999	6/15/1999	11:44
1999 E1	EJN99-01	E9900078	AMCO MW1 5/20	05/20/99	Tissue	Primary	American Coot	Regional	7782-49-2	ICP, Hydride	Selenium	0.31	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-18-99	0616SEMW	6/18/1999	6/18/1999	12:09
1999 E1	EJN99-01	E9900078	AMCO MW1 5/20	05/20/99	Tissue	Primary	American Coot	Regional		Gravimetric	Moisture Content	76	1	NA	%	NA	1								
1999 E1	EJN99-01	E9900078CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7440-43-9	ICP - AES	Cadmium	1.0110	0.02	EDL	ug/g	Wet Wt	1	1.000	101		ICP_06-15-99	061599HMS	6/15/1999	6/15/1999	11:46
1999 E1	EJN99-01	E9900079	AMCO MW3 5/20	05/20/99	Tissue	Primary	American Coot	Regional	7440-43-9	ICP - AES	Cadmium	-0.15	0.02	EDL	ug/g	Wet Wt	1				ICP_06-15-99	061599HMS	6/15/1999	6/15/1999	11:48
1999 E1	EJN99-01	E9900079	AMCO MW3 5/20	05/20/99	Tissue	Primary	American Coot	Regional	7782-49-2	ICP, Hydride	Selenium	0.21	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-18-99	0616SEMW	6/18/1999	6/18/1999	12:12
1999 E1	EJN99-01	E9900079	AMCO MW3 5/20	05/20/99	Tissue	Primary	American Coot	Regional		Gravimetric	Moisture Content	76	1	NA	%	NA	1								

Event	UIASL Case #	UIASL Sample ID	Field Sample ID	Collection Date	Matrix	QC Type	Common Name	Spatial Relevance	CAS #	Method	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% Rec	QC Flag	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
1999 E1	EJN99-01	E9900080	YHBL MW2 5/20	05/20/99	Tissue	Primary	ellow Headed Blackbi	Background	7440-43-9	ICP - AES	Cadmium	-0.16	0.02	EDL	ug/g	Wet Wt	1				ICP_06-15-99	061599HMS	6/15/1999	6/15/1999	11:50
1999 E1	EJN99-01	E9900080	YHBL MW2 5/20	05/20/99	Tissue	Primary	ellow Headed Blackbi	Background	7782-49-2	ICP, Hydride	Selenium	0.41	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-18-99	0616SEMW	6/18/1999	6/18/1999	12:15
1999 E1	EJN99-01	E9900080	YHBL MW2 5/20	05/20/99	Tissue	Primary	ellow Headed Blackbi	Background		Gravimetric	Moisture Content	87	1	NA	%	NA	1								
1999 E1	EJN99-01	E9900081	RWBL ED7 5/26	05/26/99	Tissue	Primary	ed-Winged Blackbir	Background	7440-43-9	ICP - AES	Cadmium	-0.26	0.02	EDL	ug/g	Wet Wt	1				ICP_06-15-99	061599HMS	6/15/1999	6/15/1999	11:52
1999 E1	EJN99-01	E9900081	RWBL ED7 5/26	05/26/99	Tissue	Primary	ed-Winged Blackbir	Background	7782-49-2	ICP, Hydride	Selenium	0.3	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-18-99	0616SEMW	6/18/1999	6/18/1999	12:18
1999 E1	EJN99-01	E9900081	RWBL ED7 5/26	05/26/99	Tissue	Primary	ed-Winged Blackbir	Background		Gravimetric	Moisture Content	85	1	NA	%	NA	1								
1999 E1	EJN99-01	E9900082	RWBL MW9 5/25	05/25/99	Tissue	Primary	ed-Winged Blackbir	Mine	7440-43-9	ICP - AES	Cadmium	-0.24	0.02	EDL	ug/g	Wet Wt	1				ICP_06-15-99	061599HMS	6/15/1999	6/15/1999	11:54
1999 E1	EJN99-01	E9900082	RWBL MW9 5/25	05/25/99	Tissue	Primary	ed-Winged Blackbir	Mine	7782-49-2	ICP, Hydride	Selenium	0.75	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-18-99	0616SEMW	6/18/1999	6/18/1999	12:21
1999 E1	EJN99-01	E9900082	RWBL MW9 5/25	05/25/99	Tissue	Primary	ed-Winged Blackbir	Mine		Gravimetric	Moisture Content	83	1	NA	%	NA	1								
1999 E1	EJN99-01	E9900083	RWBL MW10 5/26	05/26/99	Tissue	Primary	ed-Winged Blackbir	Background	7440-43-9	ICP - AES	Cadmium	-1.0	0.02	EDL	ug/g	Wet Wt	1				ICP_06-15-99	061599HMS	6/15/1999	6/15/1999	11:56
1999 E1	EJN99-01	E9900083	RWBL MW10 5/26	05/26/99	Tissue	Primary	ed-Winged Blackbir	Background	7782-49-2	ICP, Hydride	Selenium	0.3	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-18-99	0616SEMW	6/18/1999	6/18/1999	12:24
1999 E1	EJN99-01	E9900083	RWBL MW10 5/26	05/26/99	Tissue	Primary	ed-Winged Blackbir	Background		Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
1999 E1	EJN99-01	E9900083B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	-0.0169	0.02	EDL	ug/g	Wet Wt	1				ICP_06-15-99	061599HMS	6/15/1999	6/15/1999	11:58
1999 E1	EJN99-01	E9900083BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7440-43-9	ICP - AES	Cadmium	1.110	0.02		%			1.000	111		ICP_06-15-99	061599HMS	6/15/1999	6/15/1999	12:29
1999 E1	EJN99-01	E9900083CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7440-43-9	ICP - AES	Cadmium	1.0030	0.02	EDL	ug/g	Wet Wt	1	1.000	100		ICP_06-15-99	061599HMS	6/15/1999	6/15/1999	12:09
1999 E1	EJN99-01	E9900083D	RWBL MW10 5/26	05/26/99	Tissue	Lab Dupl	ed-Winged Blackbir	Background	7782-49-2	ICP, Hydride	Selenium	0.31	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-18-99	0616SEMW	6/18/1999	6/18/1999	12:27
1999 E1	EJN99-01	E9900083SR	TORT-2	NA	Tissue	SRM	NA	NA	7440-43-9	ICP - AES	Cadmium	29.410	0.02	EDL	ug/g	Wet Wt	1	26.7	110		ICP_06-15-99	061599HMS	6/15/1999	6/15/1999	12:27
1999 E1	EJN99-01	E9900084	MOBL DG7 5/25	05/25/99	Tissue	Primary	Mountain Bluebird	Regional	7440-43-9	ICP - AES	Cadmium	-0.057	0.02	EDL	ug/g	Wet Wt	1				ICP_06-15-99	061599HMS	6/15/1999	6/15/1999	12:31
1999 E1	EJN99-01	E9900084	MOBL DG7 5/25	05/25/99	Tissue	Primary	Mountain Bluebird	Regional	7782-49-2	ICP, Hydride	Selenium	0.59	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-18-99	0616SEMW	6/18/1999	6/18/1999	12:29
1999 E1	EJN99-01	E9900084	MOBL DG7 5/25	05/25/99	Tissue	Primary	Mountain Bluebird	Regional		Gravimetric	Moisture Content	81	1	NA	%	NA	1								
1999 E1	EJN99-01	E9900084B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	-0.00047	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-18-99	0616SEMW	6/18/1999	6/18/1999	12:32
1999 E1	EJN99-01	E9900084BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0496	0.005	EDL	ug/g	Wet Wt	1	0.050	99		VGICP_06-18-99	0616SEMW	6/18/1999	6/18/1999	12:38
1999 E1	EJN99-01	E9900084CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0481	0.005	EDL	ug/g	Wet Wt	1	0.050	96		VGICP_06-18-99	0616SEMW	6/18/1999	6/18/1999	12:35
1999 E1	EJN99-01	E9900084SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.393	0.005	EDL	ug/g	Wet Wt	1	0.446	88		VGICP_06-18-99	0616SEMW	6/18/1999	6/18/1999	12:41
1999 E1	EJN99-01	E9900085	SOSP ED2 5/20	05/20/99	Tissue	Primary	Song Sparrow	Background	7440-43-9	ICP - AES	Cadmium	-0.21	0.02	EDL	ug/g	Wet Wt	1				ICP_06-15-99	061599HMS	6/15/1999	6/15/1999	12:34
1999 E1	EJN99-01	E9900085	SOSP ED2 5/20	05/20/99	Tissue	Primary	Song Sparrow	Background	7782-49-2	ICP, Hydride	Selenium	0.35	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-18-99	0616SEMW	6/18/1999	6/18/1999	12:44
1999 E1	EJN99-01	E9900085	SOSP ED2 5/20	05/20/99	Tissue	Primary	Song Sparrow	Background		Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
1999 E1	EJN99-01	E9900086	EUST JR2 5/24	05/24/99	Tissue	Primary	European Starling	Regional	7440-43-9	ICP - AES	Cadmium	-0.011	0.02	EDL	ug/g	Wet Wt	1				ICP_06-15-99	061599HMS	6/15/1999	6/15/1999	12:36
1999 E1	EJN99-01	E9900086	EUST JR2 5/24	05/24/99	Tissue	Primary	European Starling	Regional	7782-49-2	ICP, Hydride	Selenium	0.74	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-18-99	0616SEMW	6/18/1999	6/18/1999	12:46
1999 E1	EJN99-01	E9900086	EUST JR2 5/24	05/24/99	Tissue	Primary	European Starling	Regional		Gravimetric	Moisture Content	84	1	NA	%	NA	1								
1999 E1	EJN99-01	E9900087	AMRO DG8 5/26	05/26/99	Tissue	Primary	American Robin	Background	7440-43-9	ICP - AES	Cadmium	-0.028	0.02	EDL	ug/g	Wet Wt	1				ICP_06-15-99	061599HMS	6/15/1999	6/15/1999	12:38
1999 E1	EJN99-01	E9900087	AMRO DG8 5/26	05/26/99	Tissue	Primary	American Robin	Background	7782-49-2	ICP, Hydride	Selenium	0.19	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-18-99	0616SEMW	6/18/1999	6/18/1999	12:49
1999 E1	EJN99-01	E9900087	AMRO DG8 5/26	05/26/99	Tissue	Primary	American Robin	Background		Gravimetric	Moisture Content	84	1	NA	%	NA	1								
1999 E1	EJN99-01	E9900088	AMRO ED3 5/23	05/23/99	Tissue	Primary	American Robin	Mine	7440-43-9	ICP - AES	Cadmium	-0.029	0.02	EDL	ug/g	Wet Wt	1				ICP_06-15-99	061599HMS	6/15/1999	6/15/1999	12:40
1999 E1	EJN99-01	E9900088	AMRO ED3 5/23	05/23/99	Tissue	Primary	American Robin	Mine	7782-49-2	ICP, Hydride	Selenium	0.91	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-18-99	0616SEMW	6/18/1999	6/18/1999	12:52
1999 E1	EJN99-01	E9900088	AMRO ED3 5/23	05/23/99	Tissue	Primary	American Robin	Mine		Gravimetric	Moisture Content	84	1	NA	%	NA	1								
1999 E1	EJN99-01	E9900089	AMRO ED6 5/26	05/26/99	Tissue	Primary	American Robin	Background	7440-43-9	ICP - AES	Cadmium	-0.024	0.02	EDL	ug/g	Wet Wt	1				ICP_06-15-99	061599HMS	6/15/1999	6/15/1999	12:42
1999 E1	EJN99-01	E9900089	AMRO ED6 5/26	05/26/99	Tissue	Primary	American Robin	Background	7782-49-2	ICP, Hydride	Selenium	0.4	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-18-99	0616SEMW	6/18/1999	6/18/1999	12:59
1999 E1	EJN99-01	E9900089	AMRO ED6 5/26	05/26/99	Tissue	Primary	American Robin	Background		Gravimetric	Moisture Content	85	1	NA	%	NA	1								
1999 E1	EJN99-01	E9900090	AMRO DG1 5/18	05/18/99	Tissue	Primary	American Robin	Background	7440-43-9	ICP - AES	Cadmium	-0.042	0.02	EDL	ug/g	Wet Wt	1				ICP_06-15-99	061599HMS	6/15/1999	6/15/1999	12:44
1999 E1	EJN99-01	E9900090	AMRO DG1 5/18	05/18/99	Tissue	Primary	American Robin	Background	7782-49-2	ICP, Hydride	Selenium	0.56	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-18-99	0616SEMW	6/18/1999	6/18/1999	13:02
1999 E1	EJN99-01	E9900090	AMRO DG1 5/18	05/18/99	Tissue	Primary	American Robin	Background		Gravimetric	Moisture Content	82	1	NA	%	NA	1								
1999 E1	EJN99-01	E9900091	AMRO ML1 5/18	05/18/99	Tissue	Primary	American Robin	Background	7440-43-9	ICP - AES	Cadmium	-0.046	0.02	EDL	ug/g	Wet Wt	1				ICP_06-15-99	061599HMS	6/15/1999	6/15/1999	12:46
1999 E1	EJN99-01	E9900091	AMRO ML1 5/18	05/18/99	Tissue	Primary	American Robin	Background	7782-49-2	ICP, Hydride	Selenium	0.67	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-18-99	0616SEMW	6/18/1999	6/18/1999	13:05
1999 E1	EJN99-01	E9900091	AMRO ML1 5/18	05/18/99	Tissue	Primary	American Robin	Background		Gravimetric	Moisture Content	83	1	NA	%	NA	1								
1999 E1	EJN99-01	E9900091CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7440-43-9	ICP - AES	Cadmium	1.000	0.02	EDL	ug/g	Wet Wt	1	1.000	100		ICP_06-15-99	061599HMS	6/15/1999	6/15/1999	12:48
1999 E1	EJN99-01	E9900092	AMRO ML4 5/21	05/21/99	Tissue	Primary	American Robin	Regional	7440-43-9	ICP - AES	Cadmium	-0.049	0.02	EDL	ug/g	Wet Wt	1				ICP_06-15-99	061599HMS	6/15/1999	6/15/1999	12:51
1999 E1	EJN99-01	E9900092	AMRO ML4 5/21	05/21/99	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.59	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-18-99	0616SEMW	6/18/1999	6/18/1999	13:08
1999 E1	EJN99-01	E9900092	AMRO ML4 5/21	05/21/99	Tissue	Primary	American Robin	Regional		Gravimetric	Moisture Content	84	1	NA	%	NA	1								
1999 E1	EJN99-01	E9900093	AMRO NB2 5/24	05/24/99	Tissue	Primary	American Robin	Regional	7440-43-9	ICP - AES	Cadmium	-0.052	0.02	EDL	ug/g	Wet Wt	1				ICP_06-15-99	061599HMS	6/15/1999	6/15/1999	12:53
1999 E1	EJN99-01	E9900093	AMRO NB2 5/24	05/24/99	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.87	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-18-99	0616SEMW	6/18/1999	6/18/1999	13:10
1999 E1	EJN99-01	E9900093	AMRO NB2 5/24	05/24/99	Tissue	Primary	American Robin	Regional		Gravimetric	Moisture Content	84	1	NA	%	NA	1								
1999 E1	EJN99-01	E9900093B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	-0.0041	0.02	EDL	ug/g	Wet Wt	1				ICP_06-15-99	061599HMS	6/15/1999	6/15/1999	12:55
1999 E1	EJN99-01	E9900093B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	-0.000509	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-18-99	0616SEMW	6/18/1999	6/18/1999	13:16
1999 E1	EJN99-01	E9900093BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7440-43-9	ICP - AES	Cadmium	1.140	0.02		%			1.000	114		ICP_06-15-99	061599HMS	6/15/1999	6/15/1999	12:57
1999 E1	EJN99-01	E9900093BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0462	0.005	EDL	ug/g	Wet Wt	1	0.050	92		VGICP_06-18-99	0616SEMW	6/18/1999	6/18/1999	13:23
1999 E1	EJN99-01	E9900093CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0462	0.005	EDL	ug/g	Wet Wt	1	0.050	92		VGICP_06-18-99	0616SEMW	6/18/1999	6/18/1999	13:19
1999 E1	EJN99-01	E9900093D	AMRO NB2 5/24	05/24/99	Tissue	Lab Dupl	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.86	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-18-99	0616SEMW	6/18/1999	6/18/1999	13:13
1999 E1	EJN99-01	E9900093SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	54.750	0.02	EDL	ug/g	Wet Wt	1	54.3	101		ICP_06-15-99	061599HMS	6/15/1999	6/15/1999	12:59
1999 E1	EJN99-01	E9900093SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.410	0.005	EDL	ug/g	Wet Wt	1	0.446	92		VGICP_06-18-99	0616SEMW	6/18/1999	6/18/1999	13:28
1999 E1	EJN99-03	E9900114	CITE DG6 5/24	05/24/99	Tissue	Primary	Cinnamon Teal	Regional	7440-43-9	ICP - AES	Cadmium	-0.10	0.02	EDL	ug/g	Wet Wt	1				ICP_06-23-99	0622VCD	6/22/1999	6/22/1999	14:20
1999 E1	EJN99-03	E9900114	CITE DG6 5/24	05/24/99	Tissue	Primary	Cinnamon Teal	Regional	7782-49-2	ICP, Hydride	Selenium	1.8	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-23-99	0623SEMW	6/23/1999	6/23/1999	10:53
1999 E1	EJN99-03	E9900114	CITE DG6 5/24	05/24/99	Tissue	Primary	Cinnamon Teal	Regional		Gravimetric	Moisture Content	71	1	NA	%	NA	1								
1999 E1	EJN99-03	E9900114B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	-0.0100	0.02	EDL	ug/g	Wet Wt	1				ICP_06-23-99	0622VCD	6/22/1999	6/22/1999	14:16
1999 E1	EJN99-03	E9900114CS	SEH2	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0486	0.005	EDL	ug/g	Wet Wt	1	0.050	97		VGICP_06-23-99	0623SEMW	6/23/1999	6/23/1999	10:47

Event	UIASL Case #	UIASL Sample ID	Field Sample ID	Collection Date	Matrix	QC Type	Common Name	Spatial Relevance	CAS #	Method	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% Rec	QC Flag	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
1999 E1	EJN99-03	E9900114SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	51.97	0.02	EDL	ug/g	Wet Wt	1	54.3	96		ICP_06-23-99	0622VCD	6/22/1999	6/22/1999	14:18
1999 E1	EJN99-03	E9900114SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.443	0.005	EDL	ug/g	Wet Wt	1	0.446	99		VGICP_06-23-99	0623SEMW	6/23/1999	6/23/1999	10:50
1999 E1	EJN99-03	E9900115	MALL ED5 5/26	05/26/99	Tissue	Triplicate	Mallard	Background	7440-43-9	ICP - AES	Cadmium	-0.075	0.02	EDL	ug/g	Wet Wt	1				ICP_06-23-99	0622VCD	6/22/1999	6/22/1999	14:22
1999 E1	EJN99-03	E9900115	MALL ED5 5/26	05/26/99	Tissue	Triplicate	Mallard	Background	7782-49-2	ICP, Hydride	Selenium	0.56	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-23-99	0623SEMW	6/23/1999	6/23/1999	10:56
1999 E1	EJN99-03	E9900115	MALL ED5 5/26	05/26/99	Tissue	Triplicate	Mallard	Background		Gravimetric	Moisture Content	69	1	NA	%	NA	1								
1999 E1	EJN99-03	E9900115-2	MALL ED5 5/26	05/26/99	Tissue	Triplicate	Mallard	Background	7440-43-9	ICP - AES	Cadmium	-0.11	0.02	EDL	ug/g	Wet Wt	1				ICP_06-23-99	0622VCD	6/22/1999	6/22/1999	14:24
1999 E1	EJN99-03	E9900115-2	MALL ED5 5/26	05/26/99	Tissue	Triplicate	Mallard	Background	7782-49-2	ICP, Hydride	Selenium	0.64	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-23-99	0623SEMW	6/23/1999	6/23/1999	10:59
1999 E1	EJN99-03	E9900115-2	MALL ED5 5/26	05/26/99	Tissue	Triplicate	Mallard	Background		Gravimetric	Moisture Content	69	1	NA	%	NA	1								
1999 E1	EJN99-03	E9900115-3	MALL ED5 5/26	05/26/99	Tissue	Triplicate	Mallard	Background	7440-43-9	ICP - AES	Cadmium	-0.10	0.02	EDL	ug/g	Wet Wt	1				ICP_06-23-99	0622VCD	6/22/1999	6/22/1999	14:26
1999 E1	EJN99-03	E9900115-3	MALL ED5 5/26	05/26/99	Tissue	Triplicate	Mallard	Background	7782-49-2	ICP, Hydride	Selenium	0.61	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-23-99	0623SEMW	6/23/1999	6/23/1999	11:02
1999 E1	EJN99-03	E9900115-3	MALL ED5 5/26	05/26/99	Tissue	Triplicate	Mallard	Background		Gravimetric	Moisture Content	70	1	NA	%	NA	1								
1999 E1	EJN99-03	E9900115MS	MALL ED5 MS	NA	Tissue	MS	NA	NA	7440-43-9	ICP - AES	Cadmium	96	NA	NA	%				96		ICP_06-23-99	0622VCD	6/22/1999	6/22/1999	14:29
1999 E1	EJN99-03	E9900115MS	MALL ED5 MS	NA	Tissue	MS	NA	NA	7782-49-2	ICP, Hydride	Selenium	111	NA	NA	%				111		VGICP_06-23-99	0623SEMW	6/23/1999	6/23/1999	11:04
1999 E1	EJN99-03	E9900116	YHBL DG5 5/20	05/20/99	Tissue	Primary	llow Headed Blackbi	Background	7440-43-9	ICP - AES	Cadmium	-0.090	0.02	EDL	ug/g	Wet Wt	1				ICP_06-23-99	0622VCD	6/22/1999	6/22/1999	14:31
1999 E1	EJN99-03	E9900116	YHBL DG5 5/20	05/20/99	Tissue	Primary	llow Headed Blackbi	Background	7782-49-2	ICP, Hydride	Selenium	0.53	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-23-99	0623SEMW	6/23/1999	6/23/1999	11:07
1999 E1	EJN99-03	E9900116	YHBL DG5 5/20	05/20/99	Tissue	Primary	llow Headed Blackbi	Background		Gravimetric	Moisture Content	83	1	NA	%	NA	1								
1999 E1	EJN99-03	E9900117	YHBL MW5 5/20	05/20/99	Tissue	Primary	llow Headed Blackbi	Background	7440-43-9	ICP - AES	Cadmium	-0.10	0.02	EDL	ug/g	Wet Wt	1				ICP_06-23-99	0622VCD	6/22/1999	6/22/1999	14:33
1999 E1	EJN99-03	E9900117	YHBL MW5 5/20	05/20/99	Tissue	Primary	llow Headed Blackbi	Background	7782-49-2	ICP, Hydride	Selenium	0.47	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-23-99	0623SEMW	6/23/1999	6/23/1999	11:10
1999 E1	EJN99-03	E9900117	YHBL MW5 5/20	05/20/99	Tissue	Primary	llow Headed Blackbi	Background		Gravimetric	Moisture Content	83	1	NA	%	NA	1								
1999 E1	EJN99-03	E9900118	YHBL MW6 5/20	05/20/99	Tissue	Primary	llow Headed Blackbi	Background	7440-43-9	ICP - AES	Cadmium	-0.11	0.02	EDL	ug/g	Wet Wt	1				ICP_06-23-99	0622VCD	6/22/1999	6/22/1999	14:35
1999 E1	EJN99-03	E9900118	YHBL MW6 5/20	05/20/99	Tissue	Primary	llow Headed Blackbi	Background	7782-49-2	ICP, Hydride	Selenium	0.37	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-23-99	0623SEMW	6/23/1999	6/23/1999	11:13
1999 E1	EJN99-03	E9900118	YHBL MW6 5/20	05/20/99	Tissue	Primary	llow Headed Blackbi	Background		Gravimetric	Moisture Content	84	1	NA	%	NA	1								
1999 E1	EJN99-03	E9900119	YHBL MW7 5/20	05/20/99	Tissue	Primary	llow Headed Blackbi	Background	7440-43-9	ICP - AES	Cadmium	-0.095	0.02	EDL	ug/g	Wet Wt	1				ICP_06-23-99	0622VCD	6/22/1999	6/22/1999	14:39
1999 E1	EJN99-03	E9900119	YHBL MW7 5/20	05/20/99	Tissue	Primary	llow Headed Blackbi	Background	7782-49-2	ICP, Hydride	Selenium	0.37	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-23-99	0623SEMW	6/23/1999	6/23/1999	11:16
1999 E1	EJN99-03	E9900119	YHBL MW7 5/20	05/20/99	Tissue	Primary	llow Headed Blackbi	Background		Gravimetric	Moisture Content	84	1	NA	%	NA	1								
1999 E1	EJN99-03	E9900120	RWBL MW12 5/26	05/26/99	Tissue	Primary	ed-Winged Blackbir	Regional	7440-43-9	ICP - AES	Cadmium	-0.11	0.02	EDL	ug/g	Wet Wt	1				ICP_06-23-99	0622VCD	6/22/1999	6/22/1999	14:41
1999 E1	EJN99-03	E9900120	RWBL MW12 5/26	05/26/99	Tissue	Primary	ed-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.25	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-23-99	0623SEMW	6/23/1999	6/23/1999	11:19
1999 E1	EJN99-03	E9900120	RWBL MW12 5/26	05/26/99	Tissue	Primary	ed-Winged Blackbir	Regional		Gravimetric	Moisture Content	84	1	NA	%	NA	1								
1999 E1	EJN99-03	E9900120B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	-0.0104	0.02	EDL	ug/g	Wet Wt	1				ICP_06-23-99	0622VCD	6/22/1999	6/22/1999	14:43
1999 E1	EJN99-03	E9900120B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	-0.0009	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-23-99	0623SEMW	6/23/1999	6/23/1999	11:22
1999 E1	EJN99-03	E9900120BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7440-43-9	ICP - AES	Cadmium	0.9667	0.02	EDL	ug/g	Wet Wt	1	1.000	97		ICP_06-23-99	0622VCD	6/22/1999	6/22/1999	14:50
1999 E1	EJN99-03	E9900120BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.047	0.005	EDL	ug/g	Wet Wt	1	0.050	94		VGICP_06-23-99	0623SEMW	6/23/1999	6/23/1999	11:27
1999 E1	EJN99-03	E9900120CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7440-43-9	ICP - AES	Cadmium	0.9575	0.02	EDL	ug/g	Wet Wt	1	1.000	96		ICP_06-23-99	0622VCD	6/22/1999	6/22/1999	14:48
1999 E1	EJN99-03	E9900120CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0476	0.005	EDL	ug/g	Wet Wt	1	0.050	95		VGICP_06-23-99	0623SEMW	6/23/1999	6/23/1999	11:24
1999 E1	EJN99-03	E9900120SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	54.92	0.02	EDL	ug/g	Wet Wt	1	54.3	101		ICP_06-23-99	0622VCD	6/22/1999	6/22/1999	14:46
1999 E1	EJN99-03	E9900120SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.367	0.005	EDL	ug/g	Wet Wt	1	0.446	82		VGICP_06-23-99	0623SEMW	6/23/1999	6/23/1999	11:30
1999 E1	EJN99-03	E9900121	SOSP JR1 5/29	05/29/99	Tissue	Primary	Song Sparrow	Regional	7440-43-9	ICP - AES	Cadmium	-0.22	0.02	EDL	ug/g	Wet Wt	1				ICP_06-23-99	0622VCD	6/22/1999	6/22/1999	14:52
1999 E1	EJN99-03	E9900121	SOSP JR1 5/29	05/29/99	Tissue	Primary	Song Sparrow	Regional	7782-49-2	ICP, Hydride	Selenium	0.55	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-23-99	0623SEMW	6/23/1999	6/23/1999	11:33
1999 E1	EJN99-03	E9900121	SOSP JR1 5/29	05/29/99	Tissue	Primary	Song Sparrow	Regional		Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
1999 E1	EJN99-03	E9900122	MAWR DG2 5/20	05/20/99	Tissue	Primary	Marsh Wren	Regional	7440-43-9	ICP - AES	Cadmium	-0.81	0.02	EDL	ug/g	Wet Wt	1				ICP_06-23-99	0622VCD	6/22/1999	6/22/1999	14:54
1999 E1	EJN99-03	E9900122	MAWR DG2 5/20	05/20/99	Tissue	Primary	Marsh Wren	Regional	7782-49-2	ICP, Hydride	Selenium	0.96	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-23-99	0623SEMW	6/23/1999	6/23/1999	11:36
1999 E1	EJN99-03	E9900122	MAWR DG2 5/20	05/20/99	Tissue	Primary	Marsh Wren	Regional		Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
1999 E1	EJN99-03	E9900122B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	-0.0101	0.02	EDL	ug/g	Wet Wt	1				ICP_06-23-99	0622VCD	6/22/1999	6/22/1999	14:56
1999 E1	EJN99-03	E9900123	BASW ED1 5/19	05/19/99	Tissue	Primary	Barn Swallow	Regional	7440-43-9	ICP - AES	Cadmium	QNS	0.02	EDL	ug/g	Wet Wt	1				ICP_06-23-99	0622VCD	6/22/1999	6/22/1999	
1999 E1	EJN99-03	E9900123	BASW ED1 5/19	05/19/99	Tissue	Primary	Barn Swallow	Regional	7782-49-2	ICP, Hydride	Selenium	3.1	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-23-99	0623SEMW	6/23/1999	6/23/1999	11:38
1999 E1	EJN99-03	E9900123	BASW ED1 5/19	05/19/99	Tissue	Primary	Barn Swallow	Regional		Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
1999 E1	EJN99-03	E9900124	AMCO DG3 5/20	05/20/99	Tissue	Triplicate	American Coot	Background	7440-43-9	ICP - AES	Cadmium	-0.098	0.02	EDL	ug/g	Wet Wt	1				ICP_06-23-99	0622VCD	6/22/1999	6/22/1999	14:58
1999 E1	EJN99-03	E9900124	AMCO DG3 5/20	05/20/99	Tissue	Triplicate	American Coot	Background	7782-49-2	ICP, Hydride	Selenium	0.28	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-23-99	0623SEMW	6/23/1999	6/23/1999	11:42
1999 E1	EJN99-03	E9900124	AMCO DG3 5/20	05/20/99	Tissue	Triplicate	American Coot	Background		Gravimetric	Moisture Content	75	1	NA	%	NA	1								
1999 E1	EJN99-03	E9900124-2	AMCO DG3 5/20	05/20/99	Tissue	Triplicate	American Coot	Background	7440-43-9	ICP - AES	Cadmium	-0.10	0.02	EDL	ug/g	Wet Wt	1				ICP_06-23-99	0622VCD	6/22/1999	6/22/1999	15:03
1999 E1	EJN99-03	E9900124-2	AMCO DG3 5/20	05/20/99	Tissue	Triplicate	American Coot	Background	7782-49-2	ICP, Hydride	Selenium	0.26	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-23-99	0623SEMW	6/23/1999	6/23/1999	11:44
1999 E1	EJN99-03	E9900124-2	AMCO DG3 5/20	05/20/99	Tissue	Triplicate	American Coot	Background		Gravimetric	Moisture Content	75	1	NA	%	NA	1								
1999 E1	EJN99-03	E9900124-3	AMCO DG3 5/20	05/20/99	Tissue	Triplicate	American Coot	Background	7440-43-9	ICP - AES	Cadmium	-0.12	0.02	EDL	ug/g	Wet Wt	1				ICP_06-23-99	0622VCD	6/22/1999	6/22/1999	15:05
1999 E1	EJN99-03	E9900124-3	AMCO DG3 5/20	05/20/99	Tissue	Triplicate	American Coot	Background	7782-49-2	ICP, Hydride	Selenium	0.26	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-23-99	0623SEMW	6/23/1999	6/23/1999	11:47
1999 E1	EJN99-03	E9900124-3	AMCO DG3 5/20	05/20/99	Tissue	Triplicate	American Coot	Background		Gravimetric	Moisture Content	75	1	NA	%	NA	1								
1999 E1	EJN99-03	E9900124MS	AMCO DG3 MS	NA	Tissue	MS	NA	NA	7440-43-9	ICP - AES	Cadmium	97	NA	NA	%				97		ICP_06-23-99	0622VCD	6/22/1999	6/22/1999	15:07
1999 E1	EJN99-03	E9900124MS	AMCO DG3 MS	NA	Tissue	MS	NA	NA	7782-49-2	ICP, Hydride	Selenium	56	NA	NA	%				56		VGICP_06-23-99	0623SEMW	6/23/1999	6/23/1999	11:50
1999 E1	EJN99-03	E9900125	AMCO ML3 5/20	05/20/99	Tissue	Primary	American Coot	Background	7440-43-9	ICP - AES	Cadmium	-0.12	0.02	EDL	ug/g	Wet Wt	1				ICP_06-23-99	0622VCD	6/22/1999	6/22/1999	15:09
1999 E1	EJN99-03	E9900125	AMCO ML3 5/20	05/20/99	Tissue	Primary	American Coot	Background	7782-49-2	ICP, Hydride	Selenium	0.28	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-23-99	0623SEMW	6/23/1999	6/23/1999	11:53
1999 E1	EJN99-03	E9900125	AMCO ML3 5/20	05/20/99	Tissue	Primary	American Coot	Background		Gravimetric	Moisture Content	78	1	NA	%	NA	1								
1999 E1	EJN99-03	E9900126	AMCO NB1 5/20	05/20/99	Tissue	Primary	American Coot	Background	7440-43-9	ICP - AES	Cadmium	-0.11	0.02	EDL	ug/g	Wet Wt	1				ICP_06-23-99	0622VCD	6/22/1999	6/22/1999	15:11
1999 E1	EJN99-03	E9900126	AMCO NB1 5/20	05/20/99	Tissue	Primary	American Coot	Background	7782-49-2	ICP, Hydride	Selenium	0.34	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-23-99	0623SEMW	6/23/1999	6/23/1999	11:56
1999 E1	EJN99-03	E9900126	AMCO NB1 5/20	05/20/99	Tissue	Primary	American Coot	Background		Gravimetric	Moisture Content	77	1	NA	%	NA	1								
1999 E1	EJN99-03	E9900126B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	-0.0140	0.02	EDL	ug/g	Wet Wt	1				ICP_06-23-99	0622VCD	6/22/1999	6/22/1999	15:13
1999 E1	EJN99-03	E9900126B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	-0.0009	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-23-99	0623SEMW	6/23/1999	6/23/1999	11:59

Event	UIASL Case #	UIASL Sample ID	Field Sample ID	Collection Date	Matrix	QC Type	Common Name	Spatial Relevance	CAS #	Method	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% Rec	QC Flag	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
1999 E1	EJN99-03	E9900126BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7440-43-9	ICP - AES	Cadmium	0.9349	0.02	EDL	ug/g	Wet Wt	1	1.000	93		ICP_06-23-99	0622VCD	6/22/1999	6/22/1999	15:20
1999 E1	EJN99-03	E9900126BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.046	0.005	EDL	ug/g	Wet Wt	1	0.050	92		VGICP_06-23-99	0623SEMW	6/23/1999	6/23/1999	12:04
1999 E1	EJN99-03	E9900126CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7440-43-9	ICP - AES	Cadmium	0.9722	0.02	EDL	ug/g	Wet Wt	1	1.000	97		ICP_06-23-99	0622VCD	6/22/1999	6/22/1999	15:18
1999 E1	EJN99-03	E9900126CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.00472	0.005	EDL	ug/g	Wet Wt	1	0.050	9		VGICP_06-23-99	0623SEMW	6/23/1999	6/23/1999	12:02
1999 E1	EJN99-03	E9900126S1	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	55.45	0.02	EDL	ug/g	Wet Wt	1	54.3	102		ICP_06-23-99	0622VCD	6/22/1999	6/22/1999	15:22
1999 E1	EJN99-03	E9900126SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.430	0.005	EDL	ug/g	Wet Wt	1	0.446	96		VGICP_06-23-99	0623SEMW	6/23/1999	6/23/1999	12:07
1999 E1	EJN99-03	E9900126SR	TORT-2	NA	Tissue	SRM	NA	NA	7440-43-9	ICP - AES	Cadmium	26.1300	0.02	EDL	ug/g	Wet Wt	1	26.7	98		ICP_06-23-99	0622VCD	6/22/1999	6/22/1999	15:15
1999 E1	EJN99-04	E9900127	NOFL GE1 5/29	05/29/99	Tissue	Primary	Northern Flicker	Regional	7440-43-9	ICP - AES	Cadmium	-0.032	0.02	EDL	ug/g	Wet Wt	1				ICP_06-24-99	0624VCD	6/24/1999	6/24/2009	15:02
1999 E1	EJN99-04	E9900127	NOFL GE1 5/29	05/29/99	Tissue	Primary	Northern Flicker	Regional	7782-49-2	ICP, Hydride	Selenium	0.4	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-25-99	0625SEMW	6/25/1999	6/25/1999	9:14
1999 E1	EJN99-04	E9900127	NOFL GE1 5/29	05/29/99	Tissue	Primary	Northern Flicker	Regional		Gravimetric	Moisture Content	86	1	NA	%	NA	1								
1999 E1	EJN99-04	E9900127B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	-0.0038	0.02	EDL	ug/g	Wet Wt	1				ICP_06-24-99	0624VCD	6/24/1999	6/24/1999	14:57
1999 E1	EJN99-04	E9900127CS	SEH2	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0497	0.005	EDL	ug/g	Wet Wt	1	0.050	99		VGICP_06-25-99	0625SEMW	6/25/1999	6/25/1999	9:00
1999 E1	EJN99-04	E9900127SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	52.43	0.02	EDL	ug/g	Wet Wt	1	54.3	97		ICP_06-24-99	0624VCD	6/24/1999	6/24/1999	15:00
1999 E1	EJN99-04	E9900127SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.469	0.005	EDL	ug/g	Wet Wt	1	0.446	105		VGICP_06-25-99	0625SEMW	6/25/1999	6/25/1999	9:11
1999 E1	EJN99-04	E9900128	BHCO MW19 5/29	05/29/99	Tissue	Primary	rown-Headed Cowbi	Regional	7440-43-9	ICP - AES	Cadmium	-0.012	0.02	EDL	ug/g	Wet Wt	1				ICP_06-24-99	0624VCD	6/24/1999	6/24/2009	15:04
1999 E1	EJN99-04	E9900128	BHCO MW19 5/29	05/29/99	Tissue	Primary	rown-Headed Cowbi	Regional	7782-49-2	ICP, Hydride	Selenium	0.91	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-25-99	0625SEMW	6/25/1999	6/25/1999	9:17
1999 E1	EJN99-04	E9900128	BHCO MW19 5/29	05/29/99	Tissue	Primary	rown-Headed Cowbi	Regional		Gravimetric	Moisture Content	82	1	NA	%	NA	1								
1999 E1	EJN99-04	E9900129	SOSP ED8 5/29	05/29/99	Tissue	Primary	Song Sparrow	Regional	7440-43-9	ICP - AES	Cadmium	-0.21	0.02	EDL	ug/g	Wet Wt	1				ICP_06-24-99	0624VCD	6/24/1999	6/24/2009	15:06
1999 E1	EJN99-04	E9900129	SOSP ED8 5/29	05/29/99	Tissue	Primary	Song Sparrow	Regional	7782-49-2	ICP, Hydride	Selenium	2.2	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-25-99	0625SEMW	6/25/1999	6/25/1999	9:20
1999 E1	EJN99-04	E9900129	SOSP ED8 5/29	05/29/99	Tissue	Primary	Song Sparrow	Regional		Gravimetric	Moisture Content	83	1	NA	%	NA	1								
1999 E1	EJN99-04	E9900130	SOSP MW21 5/29	05/29/99	Tissue	Primary	Song Sparrow	Regional	7440-43-9	ICP - AES	Cadmium	-0.080	0.02	EDL	ug/g	Wet Wt	1				ICP_06-24-99	0624VCD	6/24/1999	6/24/2009	15:08
1999 E1	EJN99-04	E9900130	SOSP MW21 5/29	05/29/99	Tissue	Primary	Song Sparrow	Regional	7782-49-2	ICP, Hydride	Selenium	0.82	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-25-99	0625SEMW	6/25/1999	6/25/1999	9:22
1999 E1	EJN99-04	E9900130	SOSP MW21 5/29	05/29/99	Tissue	Primary	Song Sparrow	Regional		Gravimetric	Moisture Content	80	1	NA	%	NA	1								
1999 E1	EJN99-04	E9900131	CLSW NB9 5/27	05/27/99	Tissue	Primary	Cliff Swallow	Regional	7440-43-9	ICP - AES	Cadmium	-0.70	0.02	EDL	ug/g	Wet Wt	1				ICP_06-24-99	0624VCD	6/24/1999	6/24/2009	15:10
1999 E1	EJN99-04	E9900131	CLSW NB9 5/27	05/27/99	Tissue	Primary	Cliff Swallow	Regional	7782-49-2	ICP, Hydride	Selenium	0.64	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-25-99	0625SEMW	6/25/1999	6/25/1999	9:25
1999 E1	EJN99-04	E9900131	CLSW NB9 5/27	05/27/99	Tissue	Primary	Cliff Swallow	Regional		Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
1999 E1	EJN99-04	E9900132	CLSW MW17 5/27	05/27/99	Tissue	Primary	Cliff Swallow	Regional	7440-43-9	ICP - AES	Cadmium	-0.11	0.02	EDL	ug/g	Wet Wt	1				ICP_06-24-99	0624VCD	6/24/1999	6/24/2009	15:12
1999 E1	EJN99-04	E9900132	CLSW MW17 5/27	05/27/99	Tissue	Primary	Cliff Swallow	Regional	7782-49-2	ICP, Hydride	Selenium	0.78	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-25-99	0625SEMW	6/25/1999	6/25/1999	9:29
1999 E1	EJN99-04	E9900132	CLSW MW17 5/27	05/27/99	Tissue	Primary	Cliff Swallow	Regional		Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
1999 E1	EJN99-04	E9900133	CLSW MW16 5/27	05/27/99	Tissue	Primary	Cliff Swallow	Regional	7440-43-9	ICP - AES	Cadmium	-0.099	0.02	EDL	ug/g	Wet Wt	1				ICP_06-24-99	0624VCD	6/24/1999	6/24/2009	15:14
1999 E1	EJN99-04	E9900133	CLSW MW16 5/27	05/27/99	Tissue	Primary	Cliff Swallow	Regional	7782-49-2	ICP, Hydride	Selenium	0.72	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-25-99	0625SEMW	6/25/1999	6/25/1999	9:31
1999 E1	EJN99-04	E9900133	CLSW MW16 5/27	05/27/99	Tissue	Primary	Cliff Swallow	Regional		Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
1999 E1	EJN99-04	E9900134	EUST NB11 5/28	05/28/99	Tissue	Primary	European Starling	Regional	7440-43-9	ICP - AES	Cadmium	-0.023	0.02	EDL	ug/g	Wet Wt	1				ICP_06-24-99	0624VCD	6/24/1999	6/24/2009	15:17
1999 E1	EJN99-04	E9900134	EUST NB11 5/28	05/28/99	Tissue	Primary	European Starling	Regional	7782-49-2	ICP, Hydride	Selenium	0.63	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-25-99	0625SEMW	6/25/1999	6/25/1999	9:34
1999 E1	EJN99-04	E9900134	EUST NB11 5/28	05/28/99	Tissue	Primary	European Starling	Regional		Gravimetric	Moisture Content	84	1	NA	%	NA	1								
1999 E1	EJN99-04	E9900134B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.002	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-25-99	0625SEMW	6/25/1999	6/25/1999	9:43
1999 E1	EJN99-04	E9900134BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0467	0.005	EDL	ug/g	Wet Wt	1	0.050	93		VGICP_06-25-99	0625SEMW	6/25/1999	6/25/1999	9:49
1999 E1	EJN99-04	E9900134CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0507	0.005	EDL	ug/g	Wet Wt	1	0.050	101		VGICP_06-25-99	0625SEMW	6/25/1999	6/25/1999	9:46
1999 E1	EJN99-04	E9900134D	EUST NB11 5/28	05/28/99	Tissue	Lab Dupl	European Starling	Regional	7782-49-2	ICP, Hydride	Selenium	0.5	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-25-99	0625SEMW	6/25/1999	6/25/1999	9:37
1999 E1	EJN99-04	E9900134MS	EUST NB11 MS	NA	Tissue	MS	NA	NA	7782-49-2	ICP, Hydride	Selenium	73	NA	NA	%				73		VGICP_06-25-99	0625SEMW	6/25/1999	6/25/1999	9:40
1999 E1	EJN99-04	E9900134SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.454	0.005	EDL	ug/g	Wet Wt	1	0.446	102		VGICP_06-25-99	0625SEMW	6/25/1999	6/25/1999	9:52
1999 E1	EJN99-04	E9900135	AMRO MW18 5/28	05/28/99	Tissue	Primary	American Robin	Regional	7440-43-9	ICP - AES	Cadmium	-0.56	0.02	EDL	ug/g	Wet Wt	1				ICP_06-24-99	0624VCD	6/24/1999	6/24/2009	15:21
1999 E1	EJN99-04	E9900135	AMRO MW18 5/28	05/28/99	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.64	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-25-99	0625SEMW	6/25/1999	6/25/1999	9:54
1999 E1	EJN99-04	E9900135	AMRO MW18 5/28	05/28/99	Tissue	Primary	American Robin	Regional		Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
1999 E1	EJN99-04	E9900136	AMRO NB6 5/27	05/27/99	Tissue	Primary	American Robin	Regional	7440-43-9	ICP - AES	Cadmium	-0.017	0.02	EDL	ug/g	Wet Wt	1				ICP_06-24-99	0624VCD	6/24/1999	6/24/2009	15:23
1999 E1	EJN99-04	E9900136	AMRO NB6 5/27	05/27/99	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	1.0	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-25-99	0625SEMW	6/25/1999	6/25/1999	9:57
1999 E1	EJN99-04	E9900136	AMRO NB6 5/27	05/27/99	Tissue	Primary	American Robin	Regional		Gravimetric	Moisture Content	84	1	NA	%	NA	1								
1999 E1	EJN99-04	E9900136B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	-0.0041	0.02	EDL	ug/g	Wet Wt	1				ICP_06-24-99	0624VCD	6/24/1999	6/24/1999	15:25
1999 E1	EJN99-04	E9900136BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7440-43-9	ICP - AES	Cadmium	1.0350	0.02	EDL	ug/g	Wet Wt	1	1.000	104		ICP_06-24-99	0624VCD	6/24/1999	6/24/1999	15:31
1999 E1	EJN99-04	E9900136CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7440-43-9	ICP - AES	Cadmium	1.028	0.02	EDL	ug/g	Wet Wt	1	1.000	103		ICP_06-24-99	0624VCD	6/24/1999	6/24/1999	15:27
1999 E1	EJN99-04	E9900136SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	54.13	0.02	EDL	ug/g	Wet Wt	1	54.3	100		ICP_06-24-99	0624VCD	6/24/1999	6/24/1999	15:29
1999 E1	EJN99-04	E9900137	AMRO NB7 5/27	05/27/99	Tissue	Primary	American Robin	Regional	7440-43-9	ICP - AES	Cadmium	-0.014	0.02	EDL	ug/g	Wet Wt	1				ICP_06-24-99	0624VCD	6/24/1999	6/24/2009	15:34
1999 E1	EJN99-04	E9900137	AMRO NB7 5/27	05/27/99	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.61	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-25-99	0625SEMW	6/25/1999	6/25/1999	10:00
1999 E1	EJN99-04	E9900137	AMRO NB7 5/27	05/27/99	Tissue	Primary	American Robin	Regional		Gravimetric	Moisture Content	83	1	NA	%	NA	1								
1999 E1	EJN99-04	E9900138	AMRO NB10 5/28	05/28/99	Tissue	Primary	American Robin	Regional	7440-43-9	ICP - AES	Cadmium	-0.044	0.02	EDL	ug/g	Wet Wt	1				ICP_06-24-99	0624VCD	6/24/1999	6/24/2009	15:36
1999 E1	EJN99-04	E9900138	AMRO NB10 5/28	05/28/99	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.57	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-25-99	0625SEMW	6/25/1999	6/25/1999	10:03
1999 E1	EJN99-04	E9900138	AMRO NB10 5/28	05/28/99	Tissue	Primary	American Robin	Regional		Gravimetric	Moisture Content	83	1	NA	%	NA	1								
1999 E1	EJN99-04	E9900139	AMRO NB12 5/29	05/29/99	Tissue	Primary	American Robin	Regional	7440-43-9	ICP - AES	Cadmium	-0.0044	0.02	EDL	ug/g	Wet Wt	1				ICP_06-24-99	0624VCD	6/24/1999	6/24/2009	15:38
1999 E1	EJN99-04	E9900139	AMRO NB12 5/29	05/29/99	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.57	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-25-99	0625SEMW	6/25/1999	6/25/1999	10:06
1999 E1	EJN99-04	E9900139	AMRO NB12 5/29	05/29/99	Tissue	Primary	American Robin	Regional		Gravimetric	Moisture Content	83	1	NA	%	NA	1								
1999 E1	EJN99-04	E9900140	YHBL NB8 5/27	05/27/99	Tissue	Primary	llow Headed Blackbi	Regional	7440-43-9	ICP - AES	Cadmium	-0.052	0.02	EDL	ug/g	Wet Wt	1				ICP_06-24-99	0624VCD	6/24/1999	6/24/2009	15:40
1999 E1	EJN99-04	E9900140	YHBL NB8 5/27	05/27/99	Tissue	Primary	llow Headed Blackbi	Regional	7782-49-2	ICP, Hydride	Selenium	0.99	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-25-99	0625SEMW	6/25/1999	6/25/1999	10:09
1999 E1	EJN99-04	E9900140	YHBL NB8 5/27	05/27/99	Tissue	Primary	llow Headed Blackbi	Regional		Gravimetric	Moisture Content	84	1	NA	%	NA	1								
1999 E1	EJN99-04	E9900141	YHBL MW15 5/27	05/27/99	Tissue	Primary	llow Headed Blackbi	Regional	7440-43-9	ICP - AES	Cadmium	-0.030	0.02	EDL	ug/g	Wet Wt	1				ICP_06-24-99	0624VCD	6/24/1999	6/24/2009	15:44
1999 E1	EJN99-04	E9900141	YHBL MW15 5/27	05/27/99	Tissue	Primary	llow Headed Blackbi	Regional	7782-49-2	ICP, Hydride	Selenium	0.69	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-25-99	0625SEMW	6/25/1999	6/25/1999	10:12

Event	UIASL Case #	UIASL Sample ID	Field Sample ID	Collection Date	Matrix	QC Type	Common Name	Spatial Relevance	CAS #	Method	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% Rec	QC Flag	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
1999 E1	EJN99-04	E9900141	YHBL MW15 5/27	05/27/99	Tissue	Primary	ellow Headed Blackbi	Regional		Gravimetric	Moisture Content	84	1	NA	%	NA	1								
1999 E1	EJN99-04	E9900142	YHBL MW14 5/27	05/27/99	Tissue	Primary	ellow Headed Blackbi	Regional	7440-43-9	ICP - AES	Cadmium	-0.026	0.02	EDL	ug/g	Wet Wt	1				ICP_06-24-99	0624VCD	6/24/1999	6/24/2009	15:46
1999 E1	EJN99-04	E9900142	YHBL MW14 5/27	05/27/99	Tissue	Primary	ellow Headed Blackbi	Regional	7782-49-2	ICP, Hydride	Selenium	0.66	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-25-99	0625SEMW	6/25/1999	6/25/1999	10:15
1999 E1	EJN99-04	E9900142	YHBL MW14 5/27	05/27/99	Tissue	Primary	ellow Headed Blackbi	Regional		Gravimetric	Moisture Content	84	1	NA	%	NA	1								
1999 E1	EJN99-04	E9900143	RWBL NB4 5/27	05/27/99	Tissue	Primary	ed-Winged Blackbir	Regional	7440-43-9	ICP - AES	Cadmium	-0.036	0.02	EDL	ug/g	Wet Wt	1				ICP_06-24-99	0624VCD	6/24/1999	6/24/2009	15:48
1999 E1	EJN99-04	E9900143	RWBL NB4 5/27	05/27/99	Tissue	Primary	ed-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.61	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-25-99	0625SEMW	6/25/1999	6/25/1999	10:17
1999 E1	EJN99-04	E9900143	RWBL NB4 5/27	05/27/99	Tissue	Primary	ed-Winged Blackbir	Regional		Gravimetric	Moisture Content	87	1	NA	%	NA	1								
1999 E1	EJN99-04	E9900144	RWBL NB5 5/27	05/27/99	Tissue	Primary	ed-Winged Blackbir	Regional	7440-43-9	ICP - AES	Cadmium	-0.023	0.02	EDL	ug/g	Wet Wt	1				ICP_06-24-99	0624VCD	6/24/1999	6/24/2009	15:51
1999 E1	EJN99-04	E9900144	RWBL NB5 5/27	05/27/99	Tissue	Primary	ed-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.82	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-25-99	0625SEMW	6/25/1999	6/25/1999	10:20
1999 E1	EJN99-04	E9900144	RWBL NB5 5/27	05/27/99	Tissue	Primary	ed-Winged Blackbir	Regional		Gravimetric	Moisture Content	82	1	NA	%	NA	1								
1999 E1	EJN99-04	E9900145	RWBL MW20 5/29	05/29/99	Tissue	Primary	ed-Winged Blackbir	Regional	7440-43-9	ICP - AES	Cadmium	-0.051	0.02	EDL	ug/g	Wet Wt	1				ICP_06-24-99	0624VCD	6/24/1999	6/24/2009	15:53
1999 E1	EJN99-04	E9900145	RWBL MW20 5/29	05/29/99	Tissue	Primary	ed-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	2.5	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-25-99	0625SEMW	6/25/1999	6/25/1999	10:23
1999 E1	EJN99-04	E9900145	RWBL MW20 5/29	05/29/99	Tissue	Primary	ed-Winged Blackbir	Regional		Gravimetric	Moisture Content	79	1	NA	%	NA	1								
1999 E1	EJN99-04	E9900145B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	-0.0028	0.02	EDL	ug/g	Wet Wt	1				ICP_06-24-99	0624VCD	6/24/1999	6/24/1999	15:55
1999 E1	EJN99-04	E9900145B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.000192	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-25-99	0625SEMW	6/25/1999	6/25/1999	10:26
1999 E1	EJN99-04	E9900145BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7440-43-9	ICP - AES	Cadmium	1.0110	0.02	EDL	ug/g	Wet Wt	1	1.000	101		ICP_06-24-99	0624VCD	6/24/1999	6/24/1999	16:02
1999 E1	EJN99-04	E9900145BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0486	0.005	EDL	ug/g	Wet Wt	1	0.050	97		VGICP_06-25-99	0625SEMW	6/25/1999	6/25/1999	10:31
1999 E1	EJN99-04	E9900145CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7440-43-9	ICP - AES	Cadmium	0.9976	0.02	EDL	ug/g	Wet Wt	1	1.000	100		ICP_06-24-99	0624VCD	6/24/1999	6/24/1999	16:00
1999 E1	EJN99-04	E9900145CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0493	0.005	EDL	ug/g	Wet Wt	1	0.050	99		VGICP_06-25-99	0625SEMW	6/25/1999	6/25/1999	10:29
1999 E1	EJN99-04	E9900145S1	TORT-2	NA	Tissue	SRM	NA	NA	7440-43-9	ICP - AES	Cadmium	29.54	0.02	EDL	ug/g	Wet Wt	1	26.7	111		ICP_06-24-99	0624VCD	6/24/1999	6/24/1999	15:57
1999 E1	EJN99-04	E9900145SR	House Ref. Liver	NA	Tissue	HRL	NA		7440-43-9	ICP - AES	Cadmium	53.24	0.02	EDL	ug/g	Wet Wt	1	54.3	98		ICP_06-24-99	0624VCD	6/24/1999	6/24/1999	16:04
1999 E1	EJN99-04	E9900145SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.456	0.005	EDL	ug/g	Wet Wt	1	0.446	102		VGICP_06-25-99	0625SEMW	6/25/1999	6/25/1999	10:34
1999 E1	EJN99-12	E9900295	MAWR ML6 6/1	06/01/99	Tissue	Primary	Marsh Wren	Regional	7440-43-9	ICP - AES	Cadmium	-0.1417	0.02	EDL	ug/g	Wet Wt	1				ICP_07-06-99	0706VCD	7/6/1999	7/6/1999	12:12
1999 E1	EJN99-12	E9900295	MAWR ML6 6/1	06/01/99	Tissue	Primary	Marsh Wren	Regional	7782-49-2	ICP, Hydride	Selenium	1.4	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-29-99	0629SEMW	6/29/1999	6/29/1999	12:46
1999 E1	EJN99-12	E9900295	MAWR ML6 6/1	06/01/99	Tissue	Primary	Marsh Wren	Regional		Gravimetric	Moisture Content	79	1	NA	%	NA	1								
1999 E1	EJN99-12	E9900295B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	-0.0047	0.02	EDL	ug/g	Wet Wt	1				ICP_07-06-99	0706VCD	7/6/1999	7/6/1999	12:08
1999 E1	EJN99-12	E9900295C1	Check Standard	NA	Lab QC	ICV	NA	NA	7440-43-9	ICP - AES	Cadmium	5.0000	0.02	EDL	ug/g	Wet Wt	1	5.000	100		ICP_07-06-99	0706VCD	7/6/1999	7/6/1999	9:36
1999 E1	EJN99-12	E9900295C2	Check Standard	NA	Lab QC	ICV	NA	NA	7440-43-9	ICP - AES	Cadmium	1.0000	0.02	EDL	ug/g	Wet Wt	1	1.000	100		ICP_07-06-99	0706VCD	7/6/1999	7/6/1999	9:36
1999 E1	EJN99-12	E9900295CS	SHE2	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0496	0.005	EDL	ug/g	Wet Wt	1	0.050	99		VGICP_06-29-99	0629SEMW	6/29/1999	6/29/1999	12:40
1999 E1	EJN99-12	E9900295SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	54.09	0.02	EDL	ug/g	Wet Wt	1	54.3	100		ICP_07-06-99	0706VCD	7/6/1999	7/6/1999	12:10
1999 E1	EJN99-12	E9900295SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.457	0.005	EDL	ug/g	Wet Wt	1	0.446	102		VGICP_06-29-99	0629SEMW	6/29/1999	6/29/1999	12:43
1999 E1	EJN99-12	E9900296	CLSW ML8 6/1	06/01/99	Tissue	Primary	Cliff Swallow	Regional	7440-43-9	ICP - AES	Cadmium	-0.0396	0.02	EDL	ug/g	Wet Wt	1				ICP_07-06-99	0706VCD	7/6/1999	7/6/1999	12:14
1999 E1	EJN99-12	E9900296	CLSW ML8 6/1	06/01/99	Tissue	Primary	Cliff Swallow	Regional	7782-49-2	ICP, Hydride	Selenium	0.85	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-29-99	0629SEMW	6/29/1999	6/29/1999	12:49
1999 E1	EJN99-12	E9900296	CLSW ML8 6/1	06/01/99	Tissue	Primary	Cliff Swallow	Regional		Gravimetric	Moisture Content	77	1	NA	%	NA	1								
1999 E1	EJN99-12	E9900297	SOSP ED11 6/1	06/01/99	Tissue	Primary	Song Sparrow	Regional	7440-43-9	ICP - AES	Cadmium	-0.965	0.02	EDL	ug/g	Wet Wt	1				ICP_07-06-99	0706VCD	7/6/1999	7/6/1999	12:17
1999 E1	EJN99-12	E9900297	SOSP ED11 6/1	06/01/99	Tissue	Primary	Song Sparrow	Regional	7782-49-2	ICP, Hydride	Selenium	1.1	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-29-99	0629SEMW	6/29/1999	6/29/1999	12:51
1999 E1	EJN99-12	E9900297	SOSP ED11 6/1	06/01/99	Tissue	Primary	Song Sparrow	Regional		Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
1999 E1	EJN99-12	E9900298	BHCO ED12 6/1	06/01/99	Tissue	Primary	rown-Headed Cowbi	Regional	7440-43-9	ICP - AES	Cadmium	-0.0591	0.02	EDL	ug/g	Wet Wt	1				ICP_07-06-99	0706VCD	7/6/1999	7/6/1999	12:19
1999 E1	EJN99-12	E9900298	BHCO ED12 6/1	06/01/99	Tissue	Primary	rown-Headed Cowbi	Regional	7782-49-2	ICP, Hydride	Selenium	0.54	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-29-99	0629SEMW	6/29/1999	6/29/1999	12:54
1999 E1	EJN99-12	E9900298	BHCO ED12 6/1	06/01/99	Tissue	Primary	rown-Headed Cowbi	Regional		Gravimetric	Moisture Content	83	1	NA	%	NA	1								
1999 E1	EJN99-12	E9900299	SOSP MW23 6/1	06/01/99	Tissue	Primary	Song Sparrow	Regional	7440-43-9	ICP - AES	Cadmium	-0.0739	0.02	EDL	ug/g	Wet Wt	1				ICP_07-06-99	0706VCD	7/6/1999	7/6/1999	12:21
1999 E1	EJN99-12	E9900299	SOSP MW23 6/1	06/01/99	Tissue	Primary	Song Sparrow	Regional	7782-49-2	ICP, Hydride	Selenium	1.3	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-29-99	0629SEMW	6/29/1999	6/29/1999	12:57
1999 E1	EJN99-12	E9900299	SOSP MW23 6/1	06/01/99	Tissue	Primary	Song Sparrow	Regional		Gravimetric	Moisture Content	78	1	NA	%	NA	1								
1999 E1	EJN99-12	E9900300	BHCO MW24 6/1	06/01/99	Tissue	Primary	rown-Headed Cowbi	Regional	7440-43-9	ICP - AES	Cadmium	-0.0646	0.02	EDL	ug/g	Wet Wt	1				ICP_07-06-99	0706VCD	7/6/1999	7/6/1999	12:23
1999 E1	EJN99-12	E9900300	BHCO MW24 6/1	06/01/99	Tissue	Primary	rown-Headed Cowbi	Regional	7782-49-2	ICP, Hydride	Selenium	0.51	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-29-99	0629SEMW	6/29/1999	6/29/1999	13:00
1999 E1	EJN99-12	E9900300	BHCO MW24 6/1	06/01/99	Tissue	Primary	rown-Headed Cowbi	Regional		Gravimetric	Moisture Content	81	1	NA	%	NA	1								
1999 E1	EJN99-12	E9900301	SOSP DG9 5/31	05/31/99	Tissue	Primary	Song Sparrow	Regional	7440-43-9	ICP - AES	Cadmium	-0.0592	0.02	EDL	ug/g	Wet Wt	1				ICP_07-06-99	0706VCD	7/6/1999	7/6/1999	12:25
1999 E1	EJN99-12	E9900301	SOSP DG9 5/31	05/31/99	Tissue	Primary	Song Sparrow	Regional	7782-49-2	ICP, Hydride	Selenium	1.2	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-29-99	0629SEMW	6/29/1999	6/29/1999	13:03
1999 E1	EJN99-12	E9900301	SOSP DG9 5/31	05/31/99	Tissue	Primary	Song Sparrow	Regional		Gravimetric	Moisture Content	82	1	NA	%	NA	1								
1999 E1	EJN99-12	E9900302	SOSP DG10 5/31	05/31/99	Tissue	Primary	Song Sparrow	Regional	7440-43-9	ICP - AES	Cadmium	-0.1378	0.02	EDL	ug/g	Wet Wt	1				ICP_07-06-99	0706VCD	7/6/1999	7/6/1999	12:27
1999 E1	EJN99-12	E9900302	SOSP DG10 5/31	05/31/99	Tissue	Primary	Song Sparrow	Regional	7782-49-2	ICP, Hydride	Selenium	0.93	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-29-99	0629SEMW	6/29/1999	6/29/1999	13:06
1999 E1	EJN99-12	E9900302	SOSP DG10 5/31	05/31/99	Tissue	Primary	Song Sparrow	Regional		Gravimetric	Moisture Content	82	1	NA	%	NA	1								
1999 E1	EJN99-12	E9900303	RWBL NB13 6/1	06/01/99	Tissue	Primary	ed-Winged Blackbir	Regional	7440-43-9	ICP - AES	Cadmium	-0.0468	0.02	EDL	ug/g	Wet Wt	1				ICP_07-06-99	0706VCD	7/6/1999	7/6/1999	12:31
1999 E1	EJN99-12	E9900303	RWBL NB13 6/1	06/01/99	Tissue	Primary	ed-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	1	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-29-99	0629SEMW	6/29/1999	6/29/1999	13:09
1999 E1	EJN99-12	E9900303	RWBL NB13 6/1	06/01/99	Tissue	Primary	ed-Winged Blackbir	Regional		Gravimetric	Moisture Content	83	1	NA	%	NA	1								
1999 E1	EJN99-12	E9900304	CLSW NB14 6/1	06/01/99	Tissue	Primary	Cliff Swallow	Regional	7440-43-9	ICP - AES	Cadmium	-0.069	0.02	EDL	ug/g	Wet Wt	1				ICP_07-06-99	0706VCD	7/6/1999	7/6/1999	12:34
1999 E1	EJN99-12	E9900304	CLSW NB14 6/1	06/01/99	Tissue	Primary	Cliff Swallow	Regional	7782-49-2	ICP, Hydride	Selenium	0.9	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-29-99	0629SEMW	6/29/1999	6/29/1999	13:11
1999 E1	EJN99-12	E9900304	CLSW NB14 6/1	06/01/99	Tissue	Primary	Cliff Swallow	Regional		Gravimetric	Moisture Content	75	1	NA	%	NA	1								
1999 E1	EJN99-12	E9900304B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	-0.0032	0.02	EDL	ug/g	Wet Wt	1				ICP_07-06-99	0706VCD	7/6/1999	7/6/1999	12:36
1999 E1	EJN99-12	E9900304BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7440-43-9	ICP - AES	Cadmium	1.075	0.02	EDL	ug/g	Wet Wt	1	1.000	108		ICP_07-06-99	0706VCD	7/6/1999	7/6/1999	12:40
1999 E1	EJN99-12	E9900304CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7440-43-9	ICP - AES	Cadmium	1.040	0.02	EDL	ug/g	Wet Wt	1	1.000	104		ICP_07-06-99	0706VCD	7/6/1999	7/6/1999	12:38
1999 E1	EJN99-12	E9900304SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	60.44	0.02	EDL	ug/g	Wet Wt	1	54.3	111		ICP_07-06-99	0706VCD	7/6/1999	7/6/1999	12:42
1999 E1	EJN99-12	E9900305	AMRO MW25 6/1	06/01/99	Tissue	Primary	American Robin	Regional	7440-43-9	ICP - AES	Cadmium	-0.0424	0.02	EDL	ug/g	Wet Wt	1				ICP_07-06-99	0706VCD	7/6/1999	7/6/1999	12:44
1999 E1	EJN99-12	E9900305	AMRO MW25 6/1	06/01/99	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.49	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-29-99	0629SEMW	6/29/1999	6/29/1999	13:14
1999 E1	EJN99-12	E9900305	AMRO MW25 6/1	06/01/99	Tissue	Primary	American Robin	Regional		Gravimetric	Moisture Content	85	1	NA	%	NA	1								

Event	UIASL Case #	UIASL Sample ID	Field Sample ID	Collection Date	Matrix	QC Type	Common Name	Spatial Relevance	CAS #	Method	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% Rec	QC Flag	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
1999 E1	EJN99-12	E9900305B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.000109	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-29-99	0629SEMW	6/29/1999	6/29/1999	13:17
1999 E1	EJN99-12	E9900305BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0476	0.005	EDL	ug/g	Wet Wt	1	0.050	95		VGICP_06-29-99	0629SEMW	6/29/1999	6/29/1999	13:23
1999 E1	EJN99-12	E9900305CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.049	0.005	EDL	ug/g	Wet Wt	1	0.050	98		VGICP_06-29-99	0629SEMW	6/29/1999	6/29/1999	13:20
1999 E1	EJN99-14	E9900305S1	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.487	0.005	EDL	ug/g	Wet Wt	1	0.446	109		VGICP_07-12-99A	0711SEMW	7/12/1999	7/12/1999	11:27
1999 E1	EJN99-12	E9900305SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.436	0.005	EDL	ug/g	Wet Wt	1	0.446	98		VGICP_06-29-99	0629SEMW	6/29/1999	6/29/1999	13:26
1999 E1	EJN99-14	E9900305SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.454	0.005	EDL	ug/g	Wet Wt	1	0.446	102		VGICP_07-12-99A	0711SEMW	7/12/1999	7/12/1999	10:42
1999 E1	EJN99-12	E9900306	AMRO MW26 6/1	06/01/99	Tissue	Primary	American Robin	Regional	7440-43-9	ICP - AES	Cadmium	-0.0451	0.02	EDL	ug/g	Wet Wt	1				ICP_07-06-99	0706VCD	7/6/1999	7/6/1999	12:46
1999 E1	EJN99-12	E9900306	AMRO MW26 6/1	06/01/99	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	1.1	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-29-99	0629SEMW	6/29/1999	6/29/1999	13:29
1999 E1	EJN99-12	E9900306	AMRO MW26 6/1	06/01/99	Tissue	Primary	American Robin	Regional		Gravimetric	Moisture Content	83	1	NA	%	NA	1								
1999 E1	EJN99-12	E9900307	AMRO MW27 6/1	06/01/99	Tissue	Primary	American Robin	Regional	7440-43-9	ICP - AES	Cadmium	-0.0372	0.02	EDL	ug/g	Wet Wt	1				ICP_07-06-99	0706VCD	7/6/1999	7/6/1999	12:49
1999 E1	EJN99-12	E9900307	AMRO MW27 6/1	06/01/99	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.61	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-29-99	0629SEMW	6/29/1999	6/29/1999	13:31
1999 E1	EJN99-12	E9900307	AMRO MW27 6/1	06/01/99	Tissue	Primary	American Robin	Regional		Gravimetric	Moisture Content	83	1	NA	%	NA	1								
1999 E1	EJN99-12	E9900308	RWBL ED9 6/1	06/01/99	Tissue	Primary	Red-Winged Blackbir	Regional	7440-43-9	ICP - AES	Cadmium	-0.056	0.02	EDL	ug/g	Wet Wt	1				ICP_07-06-99	0706VCD	7/6/1999	7/6/1999	12:51
1999 E1	EJN99-12	E9900308	RWBL ED9 6/1	06/01/99	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.71	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-29-99	0629SEMW	6/29/1999	6/29/1999	13:34
1999 E1	EJN99-12	E9900308	RWBL ED9 6/1	06/01/99	Tissue	Primary	Red-Winged Blackbir	Regional		Gravimetric	Moisture Content	85	1	NA	%	NA	1								
1999 E1	EJN99-12	E9900309	BHCO ED10 6/1	06/01/99	Tissue	Primary	Brown-Headed Cowbi	Regional	7440-43-9	ICP - AES	Cadmium	-0.0318	0.02	EDL	ug/g	Wet Wt	1				ICP_07-06-99	0706VCD	7/6/1999	7/6/1999	12:55
1999 E1	EJN99-12	E9900309	BHCO ED10 6/1	06/01/99	Tissue	Primary	Brown-Headed Cowbi	Regional	7782-49-2	ICP, Hydride	Selenium	0.74	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-29-99	0629SEMW	6/29/1999	6/29/1999	13:37
1999 E1	EJN99-12	E9900309	BHCO ED10 6/1	06/01/99	Tissue	Primary	Brown-Headed Cowbi	Regional		Gravimetric	Moisture Content	83	1	NA	%	NA	1								
1999 E1	EJN99-12	E9900310	MALL ML7 6/1	06/01/99	Tissue	Triplicate	Mallard	Regional	7440-43-9	ICP - AES	Cadmium	-0.0247	0.02	EDL	ug/g	Wet Wt	1				ICP_07-06-99	0706VCD	7/6/1999	7/6/1999	12:57
1999 E1	EJN99-12	E9900310	MALL ML7 6/1	06/01/99	Tissue	Triplicate	Mallard	Regional	7782-49-2	ICP, Hydride	Selenium	1.5	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-29-99	0629SEMW	6/29/1999	6/29/1999	13:40
1999 E1	EJN99-12	E9900310	MALL ML7 6/1	06/01/99	Tissue	Triplicate	Mallard	Regional		Gravimetric	Moisture Content	71	1	NA	%	NA	1								
1999 E1	EJN99-12	E9900310-2	MALL ML7 6/1	06/01/99	Tissue	Triplicate	Mallard	Regional	7440-43-9	ICP - AES	Cadmium	-0.0107	0.02	EDL	ug/g	Wet Wt	1				ICP_07-06-99	0706VCD	7/6/1999	7/6/1999	12:59
1999 E1	EJN99-12	E9900310-2	MALL ML7 6/1	06/01/99	Tissue	Triplicate	Mallard	Regional	7782-49-2	ICP, Hydride	Selenium	1.4	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-29-99	0629SEMW	6/29/1999	6/29/1999	13:43
1999 E1	EJN99-12	E9900310-2	MALL ML7 6/1	06/01/99	Tissue	Triplicate	Mallard	Regional		Gravimetric	Moisture Content	70	1	NA	%	NA	1								
1999 E1	EJN99-12	E9900310-3	MALL ML7 6/1	06/01/99	Tissue	Triplicate	Mallard	Regional	7440-43-9	ICP - AES	Cadmium	-0.0504	0.02	EDL	ug/g	Wet Wt	1				ICP_07-06-99	0706VCD	7/6/1999	7/6/1999	13:01
1999 E1	EJN99-12	E9900310-3	MALL ML7 6/1	06/01/99	Tissue	Triplicate	Mallard	Regional	7782-49-2	ICP, Hydride	Selenium	1.5	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-29-99	0629SEMW	6/29/1999	6/29/1999	13:46
1999 E1	EJN99-12	E9900310-3	MALL ML7 6/1	06/01/99	Tissue	Triplicate	Mallard	Regional		Gravimetric	Moisture Content	69	1	NA	%	NA	1								
1999 E1	EJN99-12	E9900310MS	MALL ML7 MS	NA	Tissue	MS	NA	NA	7440-43-9	ICP - AES	Cadmium	129	NA	NA	%				129		ICP_07-06-99	0706VCD	7/6/1999	7/6/1999	13:03
1999 E1	EJN99-12	E9900310MS	MALL ML7 MS	NA	Tissue	MS	NA	NA	7782-49-2	ICP, Hydride	Selenium	95	NA	NA	%				95		VGICP_06-29-99	0629SEMW	6/29/1999	6/29/1999	13:49
1999 E1	EJN99-12	E9900311	CLSW ML9 6/1	06/01/99	Tissue	Primary	Cliff Swallow	Regional	7440-43-9	ICP - AES	Cadmium	-0.1012	0.02	EDL	ug/g	Wet Wt	1				ICP_07-06-99	0706VCD	7/6/1999	7/6/1999	13:06
1999 E1	EJN99-12	E9900311	CLSW ML9 6/1	06/01/99	Tissue	Primary	Cliff Swallow	Regional	7782-49-2	ICP, Hydride	Selenium	0.92	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-29-99	0629SEMW	6/29/1999	6/29/1999	13:51
1999 E1	EJN99-12	E9900311	CLSW ML9 6/1	06/01/99	Tissue	Primary	Cliff Swallow	Regional		Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
1999 E1	EJN99-12	E9900311B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	-0.0063	0.02	EDL	ug/g	Wet Wt	1				ICP_07-06-99	0706VCD	7/6/1999	7/6/1999	13:08
1999 E1	EJN99-12	E9900311B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.000232	0.005	EDL	ug/g	Wet Wt	1				VGICP_06-29-99	0629SEMW	6/29/1999	6/29/1999	13:54
1999 E1	EJN99-12	E9900311BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0468	0.005	EDL	ug/g	Wet Wt	1	0.050	94		VGICP_06-29-99	0629SEMW	6/29/1999	6/29/1999	14:00
1999 E1	EJN99-12	E9900311CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7440-43-9	ICP - AES	Cadmium	1.093	0.02	EDL	ug/g	Wet Wt	1	1.000	109		ICP_07-06-99	0706VCD	7/6/1999	7/6/1999	13:10
1999 E1	EJN99-12	E9900311CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0538	0.005	EDL	ug/g	Wet Wt	1	0.050	108		VGICP_06-29-99	0629SEMW	6/29/1999	6/29/1999	13:57
1999 E1	EJN99-12	E9900311SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.389	0.005	EDL	ug/g	Wet Wt	1	0.446	87		VGICP_06-29-99	0629SEMW	6/29/1999	6/29/1999	14:03
1999 E1	EJN99-14	E9900313	CITE MW22 6/1	06/01/99	Tissue	Triplicate	Cinnamon Teal	Regional	7440-43-9	ICP - AES	Cadmium	-0.026	0.02	EDL	ug/g	Wet Wt	1				ICP_07-06-99	0706VCD	7/6/1999	7/6/1999	13:37
1999 E1	EJN99-14	E9900313	CITE MW22 6/1	06/01/99	Tissue	Triplicate	Cinnamon Teal	Regional	7782-49-2	ICP, Hydride	Selenium	1.7	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-12-99A	0711SEMW	7/12/1999	7/12/1999	9:59
1999 E1	EJN99-14	E9900313	CITE MW22 6/1	06/01/99	Tissue	Triplicate	Cinnamon Teal	Regional		Gravimetric	Moisture Content	70	1	NA	%	NA	1								
1999 E1	EJN99-14	E9900313-2	CITE MW22 6/1	06/01/99	Tissue	Triplicate	Cinnamon Teal	Regional	7440-43-9	ICP - AES	Cadmium	-0.043	0.02	EDL	ug/g	Wet Wt	1				ICP_07-06-99	0706VCD	7/6/1999	7/6/1999	13:39
1999 E1	EJN99-14	E9900313-2	CITE MW22 6/1	06/01/99	Tissue	Triplicate	Cinnamon Teal	Regional	7782-49-2	ICP, Hydride	Selenium	1.7	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-12-99A	0711SEMW	7/12/1999	7/12/1999	10:02
1999 E1	EJN99-14	E9900313-2	CITE MW22 6/1	06/01/99	Tissue	Triplicate	Cinnamon Teal	Regional		Gravimetric	Moisture Content	71	1	NA	%	NA	1								
1999 E1	EJN99-14	E9900313-3	CITE MW22 6/1	06/01/99	Tissue	Triplicate	Cinnamon Teal	Regional	7440-43-9	ICP - AES	Cadmium	-0.046	0.02	EDL	ug/g	Wet Wt	1				ICP_07-06-99	0706VCD	7/6/1999	7/6/1999	13:41
1999 E1	EJN99-14	E9900313-3	CITE MW22 6/1	06/01/99	Tissue	Triplicate	Cinnamon Teal	Regional	7782-49-2	ICP, Hydride	Selenium	1.8	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-12-99A	0711SEMW	7/12/1999	7/12/1999	10:05
1999 E1	EJN99-14	E9900313-3	CITE MW22 6/1	06/01/99	Tissue	Triplicate	Cinnamon Teal	Regional		Gravimetric	Moisture Content	71	1	NA	%	NA	1								
1999 E1	EJN99-14	E9900313B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	-0.0049	0.02	EDL	ug/g	Wet Wt	1				ICP_07-06-99	0706VCD	7/6/1999	7/6/1999	13:28
1999 E1	EJN99-14	E9900313BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7440-43-9	ICP - AES	Cadmium	1.092	0.02	EDL	ug/g	Wet Wt	1	1.000	109		ICP_07-06-99	0706VCD	7/6/1999	7/6/1999	13:32
1999 E1	EJN99-14	E9900313CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7440-43-9	ICP - AES	Cadmium	1.040	0.02	EDL	ug/g	Wet Wt	1	1.000	104		ICP_07-06-99	0706VCD	7/6/1999	7/6/1999	13:30
1999 E1	EJN99-14	E9900313CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.493	0.005	EDL	ug/g	Wet Wt	1	0.050	986		VGICP_07-12-99A	0711SEMW	7/12/1999	7/12/1999	9:53
1999 E1	EJN99-14	E9900313MS	CITE MW22 MS	NA	Tissue	MS	NA	NA	7782-49-2	ICP, Hydride	Selenium	102	NA	NA	%				102		VGICP_07-12-99A	0711SEMW	7/12/1999	7/12/1999	10:07
1999 E1	EJN99-14	E9900313S1	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.454	0.005	EDL	ug/g	Wet Wt	1	0.446	102		VGICP_07-12-99A	0711SEMW	7/12/1999	7/12/1999	9:56
1999 E1	EJN99-14	E9900313SR	TORT-2	NA	Tissue	SRM	NA	NA	7440-43-9	ICP - AES	Cadmium	29.80	0.02	EDL	ug/g	Wet Wt	1	26.7	112		ICP_07-06-99	0706VCD	7/6/1999	7/6/1999	13:35
1999 E1	EJN99-14	E9900314	AMRO NB15 6/2	06/02/99	Tissue	Primary	American Robin	Regional	7440-43-9	ICP - AES	Cadmium	-0.05	0.02	EDL	ug/g	Wet Wt	1				ICP_07-06-99	0706VCD	7/6/1999	7/6/1999	13:43
1999 E1	EJN99-14	E9900314	AMRO NB15 6/2	06/02/99	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.49	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-12-99A	0711SEMW	7/12/1999	7/12/1999	10:10
1999 E1	EJN99-14	E9900314	AMRO NB15 6/2	06/02/99	Tissue	Primary	American Robin	Regional		Gravimetric	Moisture Content	84	1	NA	%	NA	1								
1999 E1	EJN99-14	E9900315	CLSW NB16 6/2	06/02/99	Tissue	Primary	Cliff Swallow	Regional	7440-43-9	ICP - AES	Cadmium	-0.030	0.02	EDL	ug/g	Wet Wt	1				ICP_07-06-99	0706VCD	7/6/1999	7/6/1999	13:45
1999 E1	EJN99-14	E9900315	CLSW NB16 6/2	06/02/99	Tissue	Primary	Cliff Swallow	Regional	7782-49-2	ICP, Hydride	Selenium	0.37	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-12-99A	0711SEMW	7/12/1999	7/12/1999	10:13
1999 E1	EJN99-14	E9900315	CLSW NB16 6/2	06/02/99	Tissue	Primary	Cliff Swallow	Regional		Gravimetric	Moisture Content	76	1	NA	%	NA	1								
1999 E1	EJN99-14	E9900316	RWBL ML10 6/2	06/02/99	Tissue	Primary	Red-Winged Blackbir	Regional	7440-43-9	ICP - AES	Cadmium	-0.037	0.02	EDL	ug/g	Wet Wt	1				ICP_07-06-99	0706VCD	7/6/1999	7/6/1999	13:47
1999 E1	EJN99-14	E9900316	RWBL ML10 6/2	06/02/99	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.39	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-12-99A	0711SEMW	7/12/1999	7/12/1999	10:16
1999 E1	EJN99-14	E9900316	RWBL ML10 6/2	06/02/99	Tissue	Primary	Red-Winged Blackbir	Regional		Gravimetric	Moisture Content	83	1	NA	%	NA	1								
1999 E1	EJN99-14	E9900317	CLSW ML11 6/2	06/02/99	Tissue	Primary	Cliff Swallow	Regional	7440-43-9	ICP - AES	Cadmium	-0.042	0.02	EDL	ug/g	Wet Wt	1				ICP_07-06-99	0706VCD	7/6/1999	7/6/1999	13:52
1999 E1	EJN99-14	E9900317	CLSW ML11 6/2	06/02/99	Tissue	Primary	Cliff Swallow	Regional	7782-49-2	ICP, Hydride	Selenium	0.55	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-12-99A	0711SEMW	7/12/1999	7/12/1999	10:19

Event	UIASL Case #	UIASL Sample ID	Field Sample ID	Collection Date	Matrix	QC Type	Common Name	Spatial Relevance	CAS #	Method	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% Rec	QC Flag	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
1999 E1	EJN99-14	E9900317	CLSW ML11 6/2	06/02/99	Tissue	Primary	Cliff Swallow	Regional		Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
1999 E1	EJN99-14	E9900318	RWBL MW29 6/2	06/02/99	Tissue	Primary	ted-Winged Blackbir	Regional	7440-43-9	ICP - AES	Cadmium	-0.056	0.02	EDL	ug/g	Wet Wt	1				ICP_07-06-99	0706VCD	7/6/1999	7/6/1999	13:54
1999 E1	EJN99-14	E9900318	RWBL MW29 6/2	06/02/99	Tissue	Primary	ted-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.42	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-12-99A	0711SEMW	7/12/1999	7/12/1999	10:22
1999 E1	EJN99-14	E9900318	RWBL MW29 6/2	06/02/99	Tissue	Primary	ted-Winged Blackbir	Regional		Gravimetric	Moisture Content	82	1	NA	%	NA	1								
1999 E1	EJN99-14	E9900319	YHBL MW30 6/2	06/02/99	Tissue	Primary	ellow Headed Blackbi	Regional	7440-43-9	ICP - AES	Cadmium	-0.043	0.02	EDL	ug/g	Wet Wt	1				ICP_07-06-99	0706VCD	7/6/1999	7/6/1999	13:56
1999 E1	EJN99-14	E9900319	YHBL MW30 6/2	06/02/99	Tissue	Primary	ellow Headed Blackbi	Regional	7782-49-2	ICP, Hydride	Selenium	0.42	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-12-99A	0711SEMW	7/12/1999	7/12/1999	10:25
1999 E1	EJN99-14	E9900319	YHBL MW30 6/2	06/02/99	Tissue	Primary	ellow Headed Blackbi	Regional		Gravimetric	Moisture Content	85	1	NA	%	NA	1								
1999 E1	EJN99-14	E9900320	RWBL MW31 6/2	06/02/99	Tissue	Primary	ted-Winged Blackbir	Regional	7440-43-9	ICP - AES	Cadmium	-0.055	0.02	EDL	ug/g	Wet Wt	1				ICP_07-06-99	0706VCD	7/6/1999	7/6/1999	13:58
1999 E1	EJN99-14	E9900320	RWBL MW31 6/2	06/02/99	Tissue	Primary	ted-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.48	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-12-99A	0711SEMW	7/12/1999	7/12/1999	10:27
1999 E1	EJN99-14	E9900320	RWBL MW31 6/2	06/02/99	Tissue	Primary	ted-Winged Blackbir	Regional		Gravimetric	Moisture Content	83	1	NA	%	NA	1								
1999 E1	EJN99-14	E9900320B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	-0.0073	0.02	EDL	ug/g	Wet Wt	1				ICP_07-06-99	0706VCD	7/6/1999	7/6/1999	14:00
1999 E1	EJN99-14	E9900320BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7440-43-9	ICP - AES	Cadmium	1.102	0.02	EDL	ug/g	Wet Wt	1	1.000	110		ICP_07-06-99	0706VCD	7/6/1999	7/6/1999	14:05
1999 E1	EJN99-14	E9900320CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7440-43-9	ICP - AES	Cadmium	1.069	0.02	EDL	ug/g	Wet Wt	1	1.000	107		ICP_07-06-99	0706VCD	7/6/1999	7/6/1999	14:03
1999 E1	EJN99-14	E9900320SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	59.59	0.02	EDL	ug/g	Wet Wt	1	54.3	110		ICP_07-06-99	0706VCD	7/6/1999	7/6/1999	14:07
1999 E1	EJN99-14	E9900321	BHCO DG11 6/2	06/02/99	Tissue	Primary	rown-Headed Cowbi	Regional	7440-43-9	ICP - AES	Cadmium	-0.040	0.02	EDL	ug/g	Wet Wt	1				ICP_07-06-99	0706VCD	7/6/1999	7/6/1999	14:10
1999 E1	EJN99-14	E9900321	BHCO DG11 6/2	06/02/99	Tissue	Primary	rown-Headed Cowbi	Regional	7782-49-2	ICP, Hydride	Selenium	0.36	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-12-99A	0711SEMW	7/12/1999	7/12/1999	10:30
1999 E1	EJN99-14	E9900321	BHCO DG11 6/2	06/02/99	Tissue	Primary	rown-Headed Cowbi	Regional		Gravimetric	Moisture Content	80	1	NA	%	NA	1								
1999 E1	EJN99-14	E9900321B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0000509	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-12-99A	0711SEMW	7/12/1999	7/12/1999	10:33
1999 E1	EJN99-14	E9900321BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0479	0.005	EDL	ug/g	Wet Wt	1	0.050	96		VGICP_07-12-99A	0711SEMW	7/12/1999	7/12/1999	10:39
1999 E1	EJN99-14	E9900321CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0492	0.005	EDL	ug/g	Wet Wt	1	0.050	98		VGICP_07-12-99A	0711SEMW	7/12/1999	7/12/1999	10:36
1999 E1	EJN99-14	E9900322	RWBL NB17 6/3	06/03/99	Tissue	Primary	ted-Winged Blackbir	Regional	7440-43-9	ICP - AES	Cadmium	-0.046	0.02	EDL	ug/g	Wet Wt	1				ICP_07-06-99	0706VCD	7/6/1999	7/6/1999	14:12
1999 E1	EJN99-14	E9900322	RWBL NB17 6/3	06/03/99	Tissue	Primary	ted-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.9	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-12-99A	0711SEMW	7/12/1999	7/12/1999	10:45
1999 E1	EJN99-14	E9900322	RWBL NB17 6/3	06/03/99	Tissue	Primary	ted-Winged Blackbir	Regional		Gravimetric	Moisture Content	79	1	NA	%	NA	1								
1999 E1	EJN99-14	E9900323	RWBL NB18 6/3	06/03/99	Tissue	Primary	ted-Winged Blackbir	Regional	7440-43-9	ICP - AES	Cadmium	-0.054	0.02	EDL	ug/g	Wet Wt	1				ICP_07-06-99	0706VCD	7/6/1999	7/6/1999	14:16
1999 E1	EJN99-14	E9900323	RWBL NB18 6/3	06/03/99	Tissue	Primary	ted-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	1.7	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-12-99A	0711SEMW	7/12/1999	7/12/1999	10:47
1999 E1	EJN99-14	E9900323	RWBL NB18 6/3	06/03/99	Tissue	Primary	ted-Winged Blackbir	Regional		Gravimetric	Moisture Content	79	1	NA	%	NA	1								
1999 E1	EJY99-01	E9900323SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.391	0.005	EDL	ug/g	Wet Wt	1	0.446	88		VGICP_08-18-99	0812SEMW	8/18/2009	8/12/2009	14:02
1999 E1	EJN99-14	E9900324	MALL NB19 6/3	06/03/99	Tissue	Triplicate	Mallard	Regional	7440-43-9	ICP - AES	Cadmium	-0.042	0.02	EDL	ug/g	Wet Wt	1				ICP_07-06-99	0706VCD	7/6/1999	7/6/1999	14:18
1999 E1	EJN99-14	E9900324	MALL NB19 6/3	06/03/99	Tissue	Triplicate	Mallard	Regional	7782-49-2	ICP, Hydride	Selenium	2.2	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-12-99A	0711SEMW	7/12/1999	7/12/1999	10:50
1999 E1	EJN99-14	E9900324	MALL NB19 6/3	06/03/99	Tissue	Triplicate	Mallard	Regional		Gravimetric	Moisture Content	69	1	NA	%	NA	1								
1999 E1	EJN99-14	E9900324-2	MALL NB19 6/3	06/03/99	Tissue	Triplicate	Mallard	Regional	7440-43-9	ICP - AES	Cadmium	-0.056	0.02	EDL	ug/g	Wet Wt	1				ICP_07-06-99	0706VCD	7/6/1999	7/6/1999	14:20
1999 E1	EJN99-14	E9900324-2	MALL NB19 6/3	06/03/99	Tissue	Triplicate	Mallard	Regional	7782-49-2	ICP, Hydride	Selenium	2.4	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-12-99A	0711SEMW	7/12/1999	7/12/1999	10:53
1999 E1	EJN99-14	E9900324-2	MALL NB19 6/3	06/03/99	Tissue	Triplicate	Mallard	Regional		Gravimetric	Moisture Content	69	1	NA	%	NA	1								
1999 E1	EJN99-14	E9900324-3	MALL NB19 6/3	06/03/99	Tissue	Triplicate	Mallard	Regional	7440-43-9	ICP - AES	Cadmium	-0.054	0.02	EDL	ug/g	Wet Wt	1				ICP_07-06-99	0706VCD	7/6/1999	7/6/1999	14:22
1999 E1	EJN99-14	E9900324-3	MALL NB19 6/3	06/03/99	Tissue	Triplicate	Mallard	Regional	7782-49-2	ICP, Hydride	Selenium	2.3	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-12-99A	0711SEMW	7/12/1999	7/12/1999	10:56
1999 E1	EJN99-14	E9900324-3	MALL NB19 6/3	06/03/99	Tissue	Triplicate	Mallard	Regional		Gravimetric	Moisture Content	69	1	NA	%	NA	1								
1999 E1	EJN99-14	E9900324MS	MALL NB19 MS	NA	Tissue	MS	NA	NA	7440-43-9	ICP - AES	Cadmium	118	NA	NA	%				118		ICP_07-06-99	0706VCD	7/6/1999	7/6/1999	13:03
1999 E1	EJN99-14	E9900324MS	MALL NB19 MS	NA	Tissue	MS	NA	NA	7782-49-2	ICP, Hydride	Selenium	116	NA	NA	%				116		VGICP_07-12-99A	0711SEMW	7/12/1999	7/12/1999	10:59
1999 E1	EJN99-14	E9900325	AMRO ED13 6/3	06/03/99	Tissue	Primary	American Robin	Regional	7440-43-9	ICP - AES	Cadmium	-0.043	0.02	EDL	ug/g	Wet Wt	1				ICP_07-06-99	0706VCD	7/6/1999	7/6/1999	14:27
1999 E1	EJN99-14	E9900325	AMRO ED13 6/3	06/03/99	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	1.2	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-12-99A	0711SEMW	7/12/1999	7/12/1999	11:02
1999 E1	EJN99-14	E9900325	AMRO ED13 6/3	06/03/99	Tissue	Primary	American Robin	Regional		Gravimetric	Moisture Content	83	1	NA	%	NA	1								
1999 E1	EJN99-14	E9900326	RWBL ED14 6/4	06/04/99	Tissue	Primary	ted-Winged Blackbir	Regional	7440-43-9	ICP - AES	Cadmium	-0.041	0.02	EDL	ug/g	Wet Wt	1				ICP_07-06-99	0706VCD	7/6/1999	7/6/1999	14:29
1999 E1	EJN99-14	E9900326	RWBL ED14 6/4	06/04/99	Tissue	Primary	ted-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	1	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-12-99A	0711SEMW	7/12/1999	7/12/1999	11:05
1999 E1	EJN99-14	E9900326	RWBL ED14 6/4	06/04/99	Tissue	Primary	ted-Winged Blackbir	Regional		Gravimetric	Moisture Content	83	1	NA	%	NA	1								
1999 E1	EJN99-14	E9900327	KILL MW32 6/3	06/03/99	Tissue	Primary	Killdeer	Regional	7440-43-9	ICP - AES	Cadmium	-0.030	0.02	EDL	ug/g	Wet Wt	1				ICP_07-06-99	0706VCD	7/6/1999	7/6/1999	14:31
1999 E1	EJN99-14	E9900327	KILL MW32 6/3	06/03/99	Tissue	Primary	Killdeer	Regional	7782-49-2	ICP, Hydride	Selenium	1.4	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-12-99A	0711SEMW	7/12/1999	7/12/1999	11:07
1999 E1	EJN99-14	E9900327	KILL MW32 6/3	06/03/99	Tissue	Primary	Killdeer	Regional		Gravimetric	Moisture Content	71	1	NA	%	NA	1								
1999 E1	EJN99-14	E9900327B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	-0.0050	0.02	EDL	ug/g	Wet Wt	1				ICP_07-06-99	0706VCD	7/6/1999	7/6/1999	14:35
1999 E1	EJN99-14	E9900327BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7440-43-9	ICP - AES	Cadmium	1.086	0.02	EDL	ug/g	Wet Wt	1	1.000	109		ICP_07-06-99	0706VCD	7/6/1999	7/6/1999	14:42
1999 E1	EJN99-14	E9900327CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7440-43-9	ICP - AES	Cadmium	1.081	0.02	EDL	ug/g	Wet Wt	1	1.000	108		ICP_07-06-99	0706VCD	7/6/1999	7/6/1999	14:39
1999 E1	EJN99-14	E9900327MS	KILL MW32 MS	NA	Tissue	MS	NA	NA	7440-43-9	ICP - AES	Cadmium	125	NA	NA	%				125		ICP_07-06-99	0706VCD	7/6/1999	7/6/1999	14:33
1999 E1	EJN99-14	E9900327SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	51.17	0.02	EDL	ug/g	Wet Wt	1	54.3	94		ICP_07-06-99	0706VCD	7/6/1999	7/6/1999	14:44
1999 E1	EJN99-14	E9900328	AMRO MW33 6/3	06/03/99	Tissue	Primary	American Robin	Regional	7440-43-9	ICP - AES	Cadmium	-0.030	0.02	EDL	ug/g	Wet Wt	1				ICP_07-06-99	0706VCD	7/6/1999	7/6/1999	14:46
1999 E1	EJN99-14	E9900328	AMRO MW33 6/3	06/03/99	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.97	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-12-99A	0711SEMW	7/12/1999	7/12/1999	11:10
1999 E1	EJN99-14	E9900328	AMRO MW33 6/3	06/03/99	Tissue	Primary	American Robin	Regional		Gravimetric	Moisture Content	84	1	NA	%	NA	1								
1999 E1	EJN99-14	E9900329	MAWR MW34 6/3	06/03/99	Tissue	Primary	Marsh Wren	Regional	7440-43-9	ICP - AES	Cadmium	-0.35	0.02	EDL	ug/g	Wet Wt	1				ICP_07-06-99	0706VCD	7/6/1999	7/6/1999	14:48
1999 E1	EJN99-14	E9900329	MAWR MW34 6/3	06/03/99	Tissue	Primary	Marsh Wren	Regional	7782-49-2	ICP, Hydride	Selenium	1.7	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-12-99A	0711SEMW	7/12/1999	7/12/1999	11:13
1999 E1	EJN99-14	E9900329	MAWR MW34 6/3	06/03/99	Tissue	Primary	Marsh Wren	Regional		Gravimetric	Moisture Content	73	1	NA	%	NA	1								
1999 E1	EJN99-14	E9900330	BHCO MW35 6/3	06/03/99	Tissue	Primary	rown-Headed Cowbi	Regional	7440-43-9	ICP - AES	Cadmium	-0.037	0.02	EDL	ug/g	Wet Wt	1				ICP_07-06-99	0706VCD	7/6/1999	7/6/1999	14:50
1999 E1	EJN99-14	E9900330	BHCO MW35 6/3	06/03/99	Tissue	Primary	rown-Headed Cowbi	Regional	7782-49-2	ICP, Hydride	Selenium	0.61	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-12-99A	0711SEMW	7/12/1999	7/12/1999	11:16
1999 E1	EJN99-14	E9900330	BHCO MW35 6/3	06/03/99	Tissue	Primary	rown-Headed Cowbi	Regional		Gravimetric	Moisture Content	84	1	NA	%	NA	1								
1999 E1	EJN99-14	E9900330B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.000708	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-12-99A	0711SEMW	7/12/1999	7/12/1999	11:19
1999 E1	EJN99-14	E9900330BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0480	0.005	EDL	ug/g	Wet Wt	1	0.050	96		VGICP_07-12-99A	0711SEMW	7/12/1999	7/12/1999	11:24
1999 E1	EJN99-14	E9900330CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0486	0.005	EDL	ug/g	Wet Wt	1	0.050	97		VGICP_07-12-99A	0711SEMW	7/12/1999	7/12/1999	11:22
1999 E1	EJN99-14	E9900330SR	TORT-2	NA	Tissue	SRM	NA	NA	7440-43-9	ICP - AES	Cadmium	30.73	0.02	EDL	ug/g	Wet Wt	1	26.7	115		ICP_07-06-99	0706VCD	7/6/1999	7/6/1999	14:52

Event	UIASL Case #	UIASL Sample ID	Field Sample ID	Collection Date	Matrix	QC Type	Common Name	Spatial Relevance	CAS #	Method	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% Rec	QC Flag	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
1999 E1	EJN99-15	E9900331	WILL ED15 6/4	06/04/99	Tissue	Primary	Willet	Regional	7440-43-9	ICP - AES	Cadmium	-0.022	0.02	EDL	ug/g	Wet Wt	1				ICP_07-13-99	0713VCD	7/13/1999	7/13/1999	9:41
1999 E1	EJN99-15	E9900331	WILL ED15 6/4	06/04/99	Tissue	Primary	Willet	Regional	7782-49-2	ICP, Hydride	Selenium	1.1	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-12-99B	0712SEMW	7/12/1999	7/12/1999	12:14
1999 E1	EJN99-15	E9900331	WILL ED15 6/4	06/04/99	Tissue	Primary	Willet	Regional		Gravimetric	Moisture Content	74	1	NA	%	NA	1								
1999 E1	EJN99-15	E9900331B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	-0.0059	0.02	EDL	ug/g	Wet Wt	1				ICP_07-13-99	0713VCD	7/13/1999	7/13/1999	9:34
1999 E1	EJN99-15	E9900331C1	Check Standard	NA	Lab QC	ICV	NA	NA	7440-43-9	ICP - AES	Cadmium	1.0000	0.02	EDL	ug/g	Wet Wt	1	1.000	100		ICP_07-13-99	0713VCD	7/13/1999	7/13/1999	9:17
1999 E1	EJN99-15	E9900331C2	Check Standard	NA	Lab QC	ICV	NA	NA	7440-43-9	ICP - AES	Cadmium	5.0000	0.02	EDL	ug/g	Wet Wt	1	5.000	100		ICP_07-13-99	0713VCD	7/13/1999	7/13/1999	9:20
1999 E1	EJN99-15	E9900331CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.493	0.005	EDL	ug/g	Wet Wt	1	0.050	986		VGICP_07-12-99B	0712SEMW	7/12/1999	7/12/1999	12:00
1999 E1	EJN99-15	E9900331MS	WILL ED15 MS	NA	Tissue	MS	NA	NA	7440-43-9	ICP - AES	Cadmium	116	NA	NA	%				116		ICP_07-13-99	0713VCD	7/13/1999	7/13/1999	9:43
1999 E1	EJN99-15	E9900331MS	WILL ED15 MS	NA	Tissue	MS	NA	NA	7782-49-2	ICP, Hydride	Selenium	97	NA	NA	%				97		VGICP_07-12-99B	0712SEMW	7/12/1999	7/12/1999	12:17
1999 E1	EJN99-15	E9900331S1	TORT-2	NA	Tissue	SRM	NA	NA	7440-43-9	ICP - AES	Cadmium	30.83	0.02	EDL	ug/g	Wet Wt	1	26.7	115		ICP_07-13-99	0713VCD	7/13/1999	7/13/1999	9:38
1999 E1	EJN99-15	E9900331SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	56.93	0.02	EDL	ug/g	Wet Wt	1	54.3	105		ICP_07-13-99	0713VCD	7/13/1999	7/13/1999	9:36
1999 E1	EJN99-15	E9900331SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.473	0.005	EDL	ug/g	Wet Wt	1	0.446	106		VGICP_07-12-99B	0712SEMW	7/12/1999	7/12/1999	12:11
1999 E1	EJN99-15	E9900332	YHBL NB20 6/4	06/04/99	Tissue	Primary	llow Headed Blackbi	Regional	7440-43-9	ICP - AES	Cadmium	-0.173	0.02	EDL	ug/g	Wet Wt	1				ICP_07-13-99	0713VCD	7/13/1999	7/13/1999	9:45
1999 E1	EJN99-15	E9900332	YHBL NB20 6/4	06/04/99	Tissue	Primary	llow Headed Blackbi	Regional	7782-49-2	ICP, Hydride	Selenium	3.1	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-12-99B	0712SEMW	7/12/1999	7/12/1999	12:20
1999 E1	EJN99-15	E9900332	YHBL NB20 6/4	06/04/99	Tissue	Primary	llow Headed Blackbi	Regional		Gravimetric	Moisture Content	82	1	NA	%	NA	1								
1999 E1	EJN99-15	E9900333	YHBL NB21 6/4	06/04/99	Tissue	Primary	llow Headed Blackbi	Regional	7440-43-9	ICP - AES	Cadmium	-0.078	0.02	EDL	ug/g	Wet Wt	1				ICP_07-13-99	0713VCD	7/13/1999	7/13/1999	9:47
1999 E1	EJN99-15	E9900333	YHBL NB21 6/4	06/04/99	Tissue	Primary	llow Headed Blackbi	Regional	7782-49-2	ICP, Hydride	Selenium	2.7	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-12-99B	0712SEMW	7/12/1999	7/12/1999	12:23
1999 E1	EJN99-15	E9900333	YHBL NB21 6/4	06/04/99	Tissue	Primary	llow Headed Blackbi	Regional		Gravimetric	Moisture Content	87	1	NA	%	NA	1								
1999 E1	EJN99-15	E9900334	AMCO NB22 6/4	06/04/99	Tissue	Primary	American Coot	Regional	7440-43-9	ICP - AES	Cadmium	-0.099	0.02	EDL	ug/g	Wet Wt	1				ICP_07-13-99	0713VCD	7/13/1999	7/13/1999	9:49
1999 E1	EJN99-15	E9900334	AMCO NB22 6/4	06/04/99	Tissue	Primary	American Coot	Regional	7782-49-2	ICP, Hydride	Selenium	2.1	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-12-99B	0712SEMW	7/12/1999	7/12/1999	12:26
1999 E1	EJN99-15	E9900334	AMCO NB22 6/4	06/04/99	Tissue	Primary	American Coot	Regional		Gravimetric	Moisture Content	75	1	NA	%	NA	1								
1999 E1	EJN99-15	E9900335	RWBL NB23 6/4	06/04/99	Tissue	Primary	ed-Winged Blackbir	Regional	7440-43-9	ICP - AES	Cadmium	-0.11	0.02	EDL	ug/g	Wet Wt	1				ICP_07-13-99	0713VCD	7/13/1999	7/13/1999	9:51
1999 E1	EJN99-15	E9900335	RWBL NB23 6/4	06/04/99	Tissue	Primary	ed-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	1	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-12-99B	0712SEMW	7/12/1999	7/12/1999	12:29
1999 E1	EJN99-15	E9900335	RWBL NB23 6/4	06/04/99	Tissue	Primary	ed-Winged Blackbir	Regional		Gravimetric	Moisture Content	85	1	NA	%	NA	1								
1999 E1	EJN99-15	E9900336	CAGO NB24 6/4	06/04/99	Tissue	Triplicate	Canada Goose	Regional	7440-43-9	ICP - AES	Cadmium	-0.099	0.02	EDL	ug/g	Wet Wt	1				ICP_07-13-99	0713VCD	7/13/1999	7/13/1999	9:53
1999 E1	EJN99-15	E9900336	CAGO NB24 6/4	06/04/99	Tissue	Triplicate	Canada Goose	Regional	7782-49-2	ICP, Hydride	Selenium	1	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-12-99B	0712SEMW	7/12/1999	7/12/1999	12:31
1999 E1	EJN99-15	E9900336	CAGO NB24 6/4	06/04/99	Tissue	Triplicate	Canada Goose	Regional		Gravimetric	Moisture Content	70	1	NA	%	NA	1								
1999 E1	EJN99-15	E9900336-2	CAGO NB24 6/4	06/04/99	Tissue	Triplicate	Canada Goose	Regional	7440-43-9	ICP - AES	Cadmium	-0.11	0.02	EDL	ug/g	Wet Wt	1				ICP_07-13-99	0713VCD	7/13/1999	7/13/1999	9:55
1999 E1	EJN99-15	E9900336-2	CAGO NB24 6/4	06/04/99	Tissue	Triplicate	Canada Goose	Regional	7782-49-2	ICP, Hydride	Selenium	0.55	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-12-99B	0712SEMW	7/12/1999	7/12/1999	12:34
1999 E1	EJN99-15	E9900336-2	CAGO NB24 6/4	06/04/99	Tissue	Triplicate	Canada Goose	Regional		Gravimetric	Moisture Content	71	1	NA	%	NA	1								
1999 E1	EJN99-15	E9900336-3	CAGO NB24 6/4	06/04/99	Tissue	Triplicate	Canada Goose	Regional	7440-43-9	ICP - AES	Cadmium	-0.078	0.02	EDL	ug/g	Wet Wt	1				ICP_07-13-99	0713VCD	7/13/1999	7/13/1999	9:58
1999 E1	EJN99-15	E9900336-3	CAGO NB24 6/4	06/04/99	Tissue	Triplicate	Canada Goose	Regional	7782-49-2	ICP, Hydride	Selenium	0.56	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-12-99B	0712SEMW	7/12/1999	7/12/1999	12:37
1999 E1	EJN99-15	E9900336-3	CAGO NB24 6/4	06/04/99	Tissue	Triplicate	Canada Goose	Regional		Gravimetric	Moisture Content	70	1	NA	%	NA	1								
1999 E1	EJN99-15	E9900336B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	-0.0132	0.02	EDL	ug/g	Wet Wt	1				ICP_07-13-99	0713VCD	7/13/1999	7/13/1999	10:00
1999 E1	EJN99-15	E9900336BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7440-43-9	ICP - AES	Cadmium	1.168	0.02	EDL	ug/g	Wet Wt	1	1.000	117		ICP_07-13-99	0713VCD	7/13/1999	7/13/1999	10:04
1999 E1	EJN99-15	E9900336CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7440-43-9	ICP - AES	Cadmium	1.138	0.02	EDL	ug/g	Wet Wt	1	1.000	114		ICP_07-13-99	0713VCD	7/13/1999	7/13/1999	10:02
1999 E1	EJN99-15	E9900336SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	60.77	0.02	EDL	ug/g	Wet Wt	1	54.3	112		ICP_07-13-99	0713VCD	7/13/1999	7/13/1999	10:08
1999 E1	EJN99-15	E9900337	SOSP NB25 6/4	06/04/99	Tissue	Primary	Song Sparrow	Regional	7440-43-9	ICP - AES	Cadmium	0.028	0.02	EDL	ug/g	Wet Wt	1				ICP_07-13-99	0713VCD	7/13/1999	7/13/1999	10:10
1999 E1	EJN99-15	E9900337	SOSP NB25 6/4	06/04/99	Tissue	Primary	Song Sparrow	Regional	7782-49-2	ICP, Hydride	Selenium	0.6	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-12-99B	0712SEMW	7/12/1999	7/12/1999	12:40
1999 E1	EJN99-15	E9900337	SOSP NB25 6/4	06/04/99	Tissue	Primary	Song Sparrow	Regional		Gravimetric	Moisture Content	81	1	NA	%	NA	1								
1999 E1	EJN99-15	E9900337B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.000467	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-12-99B	0712SEMW	7/12/1999	7/12/1999	12:43
1999 E1	EJN99-15	E9900337BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0481	0.005	EDL	ug/g	Wet Wt	1	0.050	96		VGICP_07-12-99B	0712SEMW	7/12/1999	7/12/1999	12:48
1999 E1	EJN99-15	E9900337CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0491	0.005	EDL	ug/g	Wet Wt	1	0.050	98		VGICP_07-12-99B	0712SEMW	7/12/1999	7/12/1999	12:46
1999 E1	EJN99-15	E9900337SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.431	0.005	EDL	ug/g	Wet Wt	1	0.446	97		VGICP_07-12-99B	0712SEMW	7/12/1999	7/12/1999	12:51
1999 E1	EJN99-15	E9900338	BASW MW36 6/4	06/04/99	Tissue	Primary	Barn Swallow	Regional	7440-43-9	ICP - AES	Cadmium	-0.56	0.02	EDL	ug/g	Wet Wt	1				ICP_07-13-99	0713VCD	7/13/1999	7/13/1999	10:12
1999 E1	EJN99-15	E9900338	BASW MW36 6/4	06/04/99	Tissue	Primary	Barn Swallow	Regional	7782-49-2	ICP, Hydride	Selenium	0.49	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-12-99B	0712SEMW	7/12/1999	7/12/1999	12:54
1999 E1	EJN99-15	E9900338	BASW MW36 6/4	06/04/99	Tissue	Primary	Barn Swallow	Regional		Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
1999 E1	EJN99-15	E9900339	BASW MW37 6/4	06/04/99	Tissue	Primary	Barn Swallow	Regional	7440-43-9	ICP - AES	Cadmium	-0.24	0.02	EDL	ug/g	Wet Wt	1				ICP_07-13-99	0713VCD	7/13/1999	7/13/1999	10:15
1999 E1	EJN99-15	E9900339	BASW MW37 6/4	06/04/99	Tissue	Primary	Barn Swallow	Regional	7782-49-2	ICP, Hydride	Selenium	0.79	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-12-99B	0712SEMW	7/12/1999	7/12/1999	12:57
1999 E1	EJN99-15	E9900339	BASW MW37 6/4	06/04/99	Tissue	Primary	Barn Swallow	Regional		Gravimetric	Moisture Content	78	1	NA	%	NA	1								
1999 E1	EJN99-15	E9900340	MALL MW38 6/4	06/04/99	Tissue	Triplicate	Mallard	Regional	7440-43-9	ICP - AES	Cadmium	-0.070	0.02	EDL	ug/g	Wet Wt	1				ICP_07-13-99	0713VCD	7/13/1999	7/13/1999	10:17
1999 E1	EJN99-15	E9900340	MALL MW38 6/4	06/04/99	Tissue	Triplicate	Mallard	Regional	7782-49-2	ICP, Hydride	Selenium	1.2	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-12-99B	0712SEMW	7/12/1999	7/12/1999	13:00
1999 E1	EJN99-15	E9900340	MALL MW38 6/4	06/04/99	Tissue	Triplicate	Mallard	Regional		Gravimetric	Moisture Content	70	1	NA	%	NA	1								
1999 E1	EJN99-15	E9900340-2	MALL MW38 6/4	06/04/99	Tissue	Triplicate	Mallard	Regional	7440-43-9	ICP - AES	Cadmium	-0.12	0.02	EDL	ug/g	Wet Wt	1				ICP_07-13-99	0713VCD	7/13/1999	7/13/1999	10:19
1999 E1	EJN99-15	E9900340-2	MALL MW38 6/4	06/04/99	Tissue	Triplicate	Mallard	Regional	7782-49-2	ICP, Hydride	Selenium	1.3	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-12-99B	0712SEMW	7/12/1999	7/12/1999	13:03
1999 E1	EJN99-15	E9900340-2	MALL MW38 6/4	06/04/99	Tissue	Triplicate	Mallard	Regional		Gravimetric	Moisture Content	71	1	NA	%	NA	1								
1999 E1	EJN99-15	E9900340-3	MALL MW38 6/4	06/04/99	Tissue	Triplicate	Mallard	Regional	7440-43-9	ICP - AES	Cadmium	-0.12	0.02	EDL	ug/g	Wet Wt	1				ICP_07-13-99	0713VCD	7/13/1999	7/13/1999	10:21
1999 E1	EJN99-15	E9900340-3	MALL MW38 6/4	06/04/99	Tissue	Triplicate	Mallard	Regional	7782-49-2	ICP, Hydride	Selenium	1.2	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-12-99B	0712SEMW	7/12/1999	7/12/1999	13:06
1999 E1	EJN99-15	E9900340-3	MALL MW38 6/4	06/04/99	Tissue	Triplicate	Mallard	Regional		Gravimetric	Moisture Content	70	1	NA	%	NA	1								
1999 E1	EJN99-15	E9900341	AMCO ML14 6/4	06/04/99	Tissue	Primary	American Coot	Regional	7440-43-9	ICP - AES	Cadmium	-0.12	0.02	EDL	ug/g	Wet Wt	1				ICP_07-13-99	0713VCD	7/13/1999	7/13/1999	10:23
1999 E1	EJN99-15	E9900341	AMCO ML14 6/4	06/04/99	Tissue	Primary	American Coot	Regional	7782-49-2	ICP, Hydride	Selenium	1.4	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-12-99B	0712SEMW	7/12/1999	7/12/1999	13:08
1999 E1	EJN99-15	E9900341	AMCO ML14 6/4	06/04/99	Tissue	Primary	American Coot	Regional		Gravimetric	Moisture Content	75	1	NA	%	NA	1								
1999 E1	EJN99-15	E9900341MS	AMCO ML14 MS	NA	Tissue	MS	NA	NA	7440-43-9	ICP - AES	Cadmium	117	NA	NA	%				117		ICP_07-13-99	0713VCD	7/13/1999	7/13/1999	10:25
1999 E1	EJN99-15	E9900341MS	AMCO ML14 MS	NA	Tissue	MS	NA	NA	7782-49-2	ICP, Hydride	Selenium	95	NA	NA	%				95		VGICP_07-12-99B	0712SEMW	7/12/1999	7/12/1999	13:11
1999 E1	EJN99-15	E9900342	BHCO ML15 6/4	06/04/99	Tissue	Primary	rown-Headed Cowbi	Regional	7440-43-9	ICP - AES	Cadmium	-0.32	0.02	EDL	ug/g	Wet Wt	1				ICP_07-13-99	0713VCD	7/13/1999	7/13/1999	10:27

Event	UIASL Case #	UIASL Sample ID	Field Sample ID	Collection Date	Matrix	QC Type	Common Name	Spatial Relevance	CAS #	Method	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% Rec	QC Flag	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
1999 E1	EJN99-15	E9900342	BHCO ML15 6/4	06/04/99	Tissue	Primary	rown-Headed Cowbi	Regional	7782-49-2	ICP, Hydride	Selenium	0.75	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-12-99B	0712SEMW	7/12/1999	7/12/1999	13:14
1999 E1	EJN99-15	E9900342	BHCO ML15 6/4	06/04/99	Tissue	Primary	rown-Headed Cowbi	Regional		Gravimetric	Moisture Content	84	1	NA	%	NA	1								
1999 E1	EJN99-15	E9900343	AMCO ML16 6/4	06/04/99	Tissue	Primary	American Coot	Regional	7440-43-9	ICP - AES	Cadmium	-0.010	0.02	EDL	ug/g	Wet Wt	1				ICP_07-13-99	0713VCD	7/13/1999	7/13/1999	10:29
1999 E1	EJN99-15	E9900343	AMCO ML16 6/4	06/04/99	Tissue	Primary	American Coot	Regional	7782-49-2	ICP, Hydride	Selenium	1.6	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-12-99B	0712SEMW	7/12/1999	7/12/1999	13:17
1999 E1	EJN99-15	E9900343	AMCO ML16 6/4	06/04/99	Tissue	Primary	American Coot	Regional		Gravimetric	Moisture Content	75	1	NA	%	NA	1								
1999 E1	EJN99-15	E9900343B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	-0.0129	0.02	EDL	ug/g	Wet Wt	1				ICP_07-13-99	0713VCD	7/13/1999	7/13/1999	10:32
1999 E1	EJN99-15	E9900343B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	-0.000161	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-12-99B	0712SEMW	7/12/1999	7/12/1999	13:20
1999 E1	EJN99-15	E9900343BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7440-43-9	ICP - AES	Cadmium	1.271	0.02	EDL	ug/g	Wet Wt	1	1.000	127		ICP_07-13-99	0713VCD	7/13/1999	7/13/1999	10:36
1999 E1	EJN99-15	E9900343BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0483	0.005	EDL	ug/g	Wet Wt	1	0.050	97		VGICP_07-12-99B	0712SEMW	7/12/1999	7/12/1999	13:25
1999 E1	EJN99-15	E9900343CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7440-43-9	ICP - AES	Cadmium	1.282	0.02	EDL	ug/g	Wet Wt	1	1.000	128		ICP_07-13-99	0713VCD	7/13/1999	7/13/1999	10:34
1999 E1	EJN99-15	E9900343CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0491	0.005	EDL	ug/g	Wet Wt	1	0.050	98		VGICP_07-12-99B	0712SEMW	7/12/1999	7/12/1999	13:23
1999 E1	EJN99-15	E9900343SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	64.77	0.02	EDL	ug/g	Wet Wt	1	54.3	119		ICP_07-13-99	0713VCD	7/13/1999	7/13/1999	10:38
1999 E1	EJN99-15	E9900343SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.430	0.005	EDL	ug/g	Wet Wt	1	0.446	96		VGICP_07-12-99B	0712SEMW	7/12/1999	7/12/1999	13:28
1999 E1	EJN99-16	E9900344	CAGO ED31 6/10	06/10/99	Tissue	Triplicate	Canada Goose	Regional	7440-43-9	ICP - AES	Cadmium	-0.19	0.02	EDL	ug/g	Wet Wt	1				ICP_07-16-99	0716HMS	7/16/2009	7/16/1999	14:01
1999 E1	EJN99-16	E9900344	CAGO ED31 6/10	06/10/99	Tissue	Triplicate	Canada Goose	Regional	7782-49-2	ICP, Hydride	Selenium	0.55	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-20-99A	0720SEMW	7/20/2009	7/20/1999	9:03
1999 E1	EJN99-16	E9900344	CAGO ED31 6/10	06/10/99	Tissue	Triplicate	Canada Goose	Regional		Gravimetric	Moisture Content	71	1	NA	%	NA	1								
1999 E1	EJN99-16	E9900344-2	CAGO ED31 6/10	06/10/99	Tissue	Triplicate	Canada Goose	Regional	7440-43-9	ICP - AES	Cadmium	-0.19	0.02	EDL	ug/g	Wet Wt	1				ICP_07-16-99	0716HMS	7/16/2009	7/16/1999	14:03
1999 E1	EJN99-16	E9900344-2	CAGO ED31 6/10	06/10/99	Tissue	Triplicate	Canada Goose	Regional	7782-49-2	ICP, Hydride	Selenium	0.58	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-20-99A	0720SEMW	7/20/2009	7/20/1999	9:06
1999 E1	EJN99-16	E9900344-2	CAGO ED31 6/10	06/10/99	Tissue	Triplicate	Canada Goose	Regional		Gravimetric	Moisture Content	69	1	NA	%	NA	1								
1999 E1	EJN99-16	E9900344-3	CAGO ED31 6/10	06/10/99	Tissue	Triplicate	Canada Goose	Regional	7440-43-9	ICP - AES	Cadmium	-0.19	0.02	EDL	ug/g	Wet Wt	1				ICP_07-16-99	0716HMS	7/16/2009	7/16/1999	14:05
1999 E1	EJN99-16	E9900344-3	CAGO ED31 6/10	06/10/99	Tissue	Triplicate	Canada Goose	Regional	7782-49-2	ICP, Hydride	Selenium	0.52	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-20-99A	0720SEMW	7/20/2009	7/20/1999	9:09
1999 E1	EJN99-16	E9900344-3	CAGO ED31 6/10	06/10/99	Tissue	Triplicate	Canada Goose	Regional		Gravimetric	Moisture Content	69	1	NA	%	NA	1								
1999 E1	EJN99-16	E9900344B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	-0.0191	0.02	EDL	ug/g	Wet Wt	1				ICP_07-16-99	0716HMS	7/16/2009	7/16/1999	13:57
1999 E1	EJN99-16	E9900344C1	Check Standard	NA	Lab QC	ICV	NA	NA	7440-43-9	ICP - AES	Cadmium	1.000	0.02	EDL	ug/g	Wet Wt	1	1.000	100		ICP_07-16-99	0716HMS	7/16/2009	7/16/1999	13:48
1999 E1	EJN99-16	E9900344C2	Check Standard	NA	Lab QC	ICV	NA	NA	7440-43-9	ICP - AES	Cadmium	5.000	0.02	EDL	ug/g	Wet Wt	1	5.000	100		ICP_07-16-99	0716HMS	7/16/2009	7/16/1999	13:51
1999 E1	EJN99-16	E9900344CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.509	0.005	EDL	ug/g	Wet Wt	1	0.050	1018		VGICP_07-20-99A	0720SEMW	7/20/2009	7/20/1999	8:57
1999 E1	EJN99-16	E9900344SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	58.40	0.02	EDL	ug/g	Wet Wt	1	54.3	108		ICP_07-16-99	0716HMS	7/16/2009	7/16/1999	13:59
1999 E1	EJN99-16	E9900344SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.438	0.005	EDL	ug/g	Wet Wt	1	0.446	98		VGICP_07-20-99A	0720SEMW	7/20/2009	7/20/1999	9:00
1999 E1	EJN99-16	E9900345	CAGO ED33 6/10	06/10/99	Tissue	Primary	Canada Goose	Regional	7440-43-9	ICP - AES	Cadmium	-0.21	0.02	EDL	ug/g	Wet Wt	1				ICP_07-16-99	0716HMS	7/16/2009	7/16/1999	14:07
1999 E1	EJN99-16	E9900345	CAGO ED33 6/10	06/10/99	Tissue	Primary	Canada Goose	Regional	7782-49-2	ICP, Hydride	Selenium	0.25	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-20-99A	0720SEMW	7/20/2009	7/20/1999	9:12
1999 E1	EJN99-16	E9900345	CAGO ED33 6/10	06/10/99	Tissue	Primary	Canada Goose	Regional		Gravimetric	Moisture Content	71	1	NA	%	NA	1								
1999 E1	EJN99-16	E9900346	CAGO MW28 6/10	06/10/99	Tissue	Primary	Canada Goose	Regional	7440-43-9	ICP - AES	Cadmium	-0.2	0.02	EDL	ug/g	Wet Wt	1				ICP_07-16-99	0716HMS	7/16/2009	7/16/1999	14:09
1999 E1	EJN99-16	E9900346	CAGO MW28 6/10	06/10/99	Tissue	Primary	Canada Goose	Regional	7782-49-2	ICP, Hydride	Selenium	0.27	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-20-99A	0720SEMW	7/20/2009	7/20/1999	9:15
1999 E1	EJN99-16	E9900346	CAGO MW28 6/10	06/10/99	Tissue	Primary	Canada Goose	Regional		Gravimetric	Moisture Content	71	1	NA	%	NA	1								
1999 E1	EJN99-16	E9900347	CAGO MW54 6/10	06/10/99	Tissue	Primary	Canada Goose	Regional	7440-43-9	ICP - AES	Cadmium	-0.19	0.02	EDL	ug/g	Wet Wt	1				ICP_07-16-99	0716HMS	7/16/2009	7/16/1999	14:12
1999 E1	EJN99-16	E9900347	CAGO MW54 6/10	06/10/99	Tissue	Primary	Canada Goose	Regional	7782-49-2	ICP, Hydride	Selenium	0.28	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-20-99A	0720SEMW	7/20/2009	7/20/1999	9:17
1999 E1	EJN99-16	E9900347	CAGO MW54 6/10	06/10/99	Tissue	Primary	Canada Goose	Regional		Gravimetric	Moisture Content	68	1	NA	%	NA	1								
1999 E1	EJN99-16	E9900347MS	CAGO MW54 MS	NA	Tissue	MS	NA	NA	7440-43-9	ICP - AES	Cadmium	115	NA	NA	%				115		ICP_07-16-99	0716HMS	7/16/2009	7/16/1999	14:14
1999 E1	EJN99-16	E9900347MS	CAGO MW54 MS	NA	Tissue	MS	NA	NA	7782-49-2	ICP, Hydride	Selenium	115	NA	NA	%				115		VGICP_07-20-99A	0720SEMW	7/20/2009	7/20/1999	9:20
1999 E1	EJN99-16	E9900348	WFIB MW39 6/5	06/05/99	Tissue	Triplicate	White Faced Ibis	Background	7440-43-9	ICP - AES	Cadmium	-0.17	0.02	EDL	ug/g	Wet Wt	1				ICP_07-16-99	0716HMS	7/16/2009	7/16/1999	14:16
1999 E1	EJN99-16	E9900348	WFIB MW39 6/5	06/05/99	Tissue	Triplicate	White Faced Ibis	Background	7782-49-2	ICP, Hydride	Selenium	0.72	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-20-99A	0720SEMW	7/20/2009	7/20/1999	9:23
1999 E1	EJN99-16	E9900348	WFIB MW39 6/5	06/05/99	Tissue	Triplicate	White Faced Ibis	Background		Gravimetric	Moisture Content	83	1	NA	%	NA	1								
1999 E1	EJN99-16	E9900348-2	WFIB MW39 6/5	06/05/99	Tissue	Triplicate	White Faced Ibis	Background	7440-43-9	ICP - AES	Cadmium	-0.21	0.02	EDL	ug/g	Wet Wt	1				ICP_07-16-99	0716HMS	7/16/2009	7/16/1999	14:18
1999 E1	EJN99-16	E9900348-2	WFIB MW39 6/5	06/05/99	Tissue	Triplicate	White Faced Ibis	Background	7782-49-2	ICP, Hydride	Selenium	0.69	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-20-99A	0720SEMW	7/20/2009	7/20/1999	9:26
1999 E1	EJN99-16	E9900348-2	WFIB MW39 6/5	06/05/99	Tissue	Triplicate	White Faced Ibis	Background		Gravimetric	Moisture Content	82	1	NA	%	NA	1								
1999 E1	EJN99-16	E9900348-3	WFIB MW39 6/5	06/05/99	Tissue	Triplicate	White Faced Ibis	Background	7440-43-9	ICP - AES	Cadmium	-0.21	0.02	EDL	ug/g	Wet Wt	1				ICP_07-16-99	0716HMS	7/16/2009	7/16/1999	14:20
1999 E1	EJN99-16	E9900348-3	WFIB MW39 6/5	06/05/99	Tissue	Triplicate	White Faced Ibis	Background	7782-49-2	ICP, Hydride	Selenium	0.75	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-20-99A	0720SEMW	7/20/2009	7/20/1999	9:29
1999 E1	EJN99-16	E9900348-3	WFIB MW39 6/5	06/05/99	Tissue	Triplicate	White Faced Ibis	Background		Gravimetric	Moisture Content	82	1	NA	%	NA	1								
1999 E1	EJN99-16	E9900348B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	-0.0206	0.02	EDL	ug/g	Wet Wt	1				ICP_07-16-99	0716HMS	7/16/2009	7/16/1999	14:22
1999 E1	EJN99-16	E9900348B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	-0.00125	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-20-99A	0720SEMW	7/20/2009	7/20/1999	9:32
1999 E1	EJN99-16	E9900348BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7440-43-9	ICP - AES	Cadmium	1.003	0.02	EDL	ug/g	Wet Wt	1	1.000	100		ICP_07-16-99	0716HMS	7/16/2009	7/16/1999	14:27
1999 E1	EJN99-16	E9900348BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0514	0.005	EDL	ug/g	Wet Wt	1	0.050	103		VGICP_07-20-99A	0720SEMW	7/20/2009	7/20/1999	9:37
1999 E1	EJN99-16	E9900348CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7440-43-9	ICP - AES	Cadmium	1.112	0.02	EDL	ug/g	Wet Wt	1	1.000	111		ICP_07-16-99	0716HMS	7/16/2009	7/16/1999	14:24
1999 E1	EJN99-16	E9900348CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0513	0.005	EDL	ug/g	Wet Wt	1	0.050	103		VGICP_07-20-99A	0720SEMW	7/20/2009	7/20/1999	9:35
1999 E1	EJN99-16	E9900348S1	TORT-2	NA	Tissue	SRM	NA	NA	7440-43-9	ICP - AES	Cadmium	29.76	0.02	EDL	ug/g	Wet Wt	1	26.7	111		ICP_07-16-99	0716HMS	7/16/2009	7/16/1999	14:33
1999 E1	EJN99-16	E9900348SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	58.40	0.02	EDL	ug/g	Wet Wt	1	54.3	108		ICP_07-16-99	0716HMS	7/16/2009	7/16/1999	14:31
1999 E1	EJN99-16	E9900348SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.441	0.005	EDL	ug/g	Wet Wt	1	0.446	99		VGICP_07-20-99A	0720SEMW	7/20/2009	7/20/1999	9:40
1999 E1	EJN99-16	E9900349	WFIB MW40 6/5	06/05/99	Tissue	Primary	White Faced Ibis	Background	7440-43-9	ICP - AES	Cadmium	-0.21	0.02	EDL	ug/g	Wet Wt	1				ICP_07-16-99	0716HMS	7/16/2009	7/16/1999	14:35
1999 E1	EJN99-16	E9900349	WFIB MW40 6/5	06/05/99	Tissue	Primary	White Faced Ibis	Background	7782-49-2	ICP, Hydride	Selenium	0.89	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-20-99A	0720SEMW	7/20/2009	7/20/1999	9:43
1999 E1	EJN99-16	E9900349	WFIB MW40 6/5	06/05/99	Tissue	Primary	White Faced Ibis	Background		Gravimetric	Moisture Content	82	1	NA	%	NA	1								
1999 E1	EJN99-16	E9900350	WFIB MW41 6/5	06/05/99	Tissue	Primary	White Faced Ibis	Background	7440-43-9	ICP - AES	Cadmium	-0.21	0.02	EDL	ug/g	Wet Wt	1				ICP_07-16-99	0716HMS	7/16/2009	7/16/1999	14:37
1999 E1	EJN99-16	E9900350	WFIB MW41 6/5	06/05/99	Tissue	Primary	White Faced Ibis	Background	7782-49-2	ICP, Hydride	Selenium	0.85	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-20-99A	0720SEMW	7/20/2009	7/20/1999	9:46
1999 E1	EJN99-16	E9900350	WFIB MW41 6/5	06/05/99	Tissue	Primary	White Faced Ibis	Background		Gravimetric	Moisture Content	82	1	NA	%	NA	1								
1999 E1	EJN99-16	E9900351	FRGU MW42 6/5	06/05/99	Tissue	Primary	Franklins Gull	Background	7440-43-9	ICP - AES	Cadmium	-0.21	0.02	EDL	ug/g	Wet Wt	1				ICP_07-16-99	0716HMS	7/16/2009	7/16/1999	14:39
1999 E1	EJN99-16	E9900351	FRGU MW42 6/5	06/05/99	Tissue	Primary	Franklins Gull	Background	7782-49-2	ICP, Hydride	Selenium	0.97	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-20-99A	0720SEMW	7/20/2009	7/20/1999	9:49

Event	UIASL Case #	UIASL Sample ID	Field Sample ID	Collection Date	Matrix	QC Type	Common Name	Spatial Relevance	CAS #	Method	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% Rec	QC Flag	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
1999 E1	EJN99-16	E9900351	FRGU MW42 6/5	06/05/99	Tissue	Primary	Franklins Gull	Background		Gravimetric	Moisture Content	74	1	NA	%	NA	1								
1999 E1	EJN99-16	E9900351MS	FRGU MW42 MS	NA	Tissue	MS	NA	NA	7440-43-9	ICP - AES	Cadmium	117	NA	NA	%				117		ICP_07-16-99	0716HMS	7/16/2009	7/16/1999	14:41
1999 E1	EJN99-16	E9900351MS	FRGU MW42 MS	NA	Tissue	MS	NA	NA	7782-49-2	ICP, Hydride	Selenium	104	NA	NA	%				104		VGICP_07-20-99A	0720SEMW	7/20/2009	7/20/1999	9:52
1999 E1	EJN99-16	E9900352	FRGU MW43 6/5	06/05/99	Tissue	Primary	Franklins Gull	Background	7440-43-9	ICP - AES	Cadmium	-0.18	0.02	EDL	ug/g	Wet Wt	1				ICP_07-16-99	0716HMS	7/16/2009	7/16/1999	14:44
1999 E1	EJN99-16	E9900352	FRGU MW43 6/5	06/05/99	Tissue	Primary	Franklins Gull	Background	7782-49-2	ICP, Hydride	Selenium	0.77	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-20-99A	0720SEMW	7/20/2009	7/20/1999	9:55
1999 E1	EJN99-16	E9900352	FRGU MW43 6/5	06/05/99	Tissue	Primary	Franklins Gull	Background		Gravimetric	Moisture Content	77	1	NA	%	NA	1								
1999 E1	EJN99-16	E9900353	CITE NB26 6/5	06/05/99	Tissue	Primary	Cinnamon Teal	Regional	7440-43-9	ICP - AES	Cadmium	-0.2	0.02	EDL	ug/g	Wet Wt	1				ICP_07-16-99	0716HMS	7/16/2009	7/16/1999	14:46
1999 E1	EJN99-16	E9900353	CITE NB26 6/5	06/05/99	Tissue	Primary	Cinnamon Teal	Regional	7782-49-2	ICP, Hydride	Selenium	0.39	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-20-99A	0720SEMW	7/20/2009	7/20/1999	9:57
1999 E1	EJN99-16	E9900353	CITE NB26 6/5	06/05/99	Tissue	Primary	Cinnamon Teal	Regional		Gravimetric	Moisture Content	71	1	NA	%	NA	1								
1999 E1	EJN99-16	E9900354	FRGU ED17 6/5	06/05/99	Tissue	Primary	Franklins Gull	Background	7440-43-9	ICP - AES	Cadmium	-0.18	0.02	EDL	ug/g	Wet Wt	1				ICP_07-16-99	0716HMS	7/16/2009	7/16/1999	14:48
1999 E1	EJN99-16	E9900354	FRGU ED17 6/5	06/05/99	Tissue	Primary	Franklins Gull	Background	7782-49-2	ICP, Hydride	Selenium	1.1	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-20-99A	0720SEMW	7/20/2009	7/20/1999	10:00
1999 E1	EJN99-16	E9900354	FRGU ED17 6/5	06/05/99	Tissue	Primary	Franklins Gull	Background		Gravimetric	Moisture Content	74	1	NA	%	NA	1								
1999 E1	EJN99-16	E9900355	FRGU ED18 6/5	06/05/99	Tissue	Triplicate	Franklins Gull	Background	7440-43-9	ICP - AES	Cadmium	-0.15	0.02	EDL	ug/g	Wet Wt	1				ICP_07-16-99	0716HMS	7/16/2009	7/16/1999	14:50
1999 E1	EJN99-16	E9900355	FRGU ED18 6/5	06/05/99	Tissue	Triplicate	Franklins Gull	Background	7782-49-2	ICP, Hydride	Selenium	0.89	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-20-99A	0720SEMW	7/20/2009	7/20/1999	10:03
1999 E1	EJN99-16	E9900355	FRGU ED18 6/5	06/05/99	Tissue	Triplicate	Franklins Gull	Background		Gravimetric	Moisture Content	77	1	NA	%	NA	1								
1999 E1	EJN99-16	E9900355-2	FRGU ED18 6/5	06/05/99	Tissue	Triplicate	Franklins Gull	Background	7440-43-9	ICP - AES	Cadmium	-0.22	0.02	EDL	ug/g	Wet Wt	1				ICP_07-16-99	0716HMS	7/16/2009	7/16/1999	14:52
1999 E1	EJN99-16	E9900355-2	FRGU ED18 6/5	06/05/99	Tissue	Triplicate	Franklins Gull	Background	7782-49-2	ICP, Hydride	Selenium	0.9	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-20-99A	0720SEMW	7/20/2009	7/20/1999	10:06
1999 E1	EJN99-16	E9900355-2	FRGU ED18 6/5	06/05/99	Tissue	Triplicate	Franklins Gull	Background		Gravimetric	Moisture Content	77	1	NA	%	NA	1								
1999 E1	EJN99-16	E9900355-3	FRGU ED18 6/5	06/05/99	Tissue	Primary	Franklins Gull	Background	7440-43-9	ICP - AES	Cadmium	-0.19	0.02	EDL	ug/g	Wet Wt	1				ICP_07-16-99	0716HMS	7/16/2009	7/16/1999	14:54
1999 E1	EJN99-16	E9900355-3	FRGU ED18 6/5	06/05/99	Tissue	Triplicate	Franklins Gull	Background	7782-49-2	ICP, Hydride	Selenium	0.9	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-20-99A	0720SEMW	7/20/2009	7/20/1999	10:09
1999 E1	EJN99-16	E9900355-3	FRGU ED18 6/5	06/05/99	Tissue	Triplicate	Franklins Gull	Background		Gravimetric	Moisture Content	77	1	NA	%	NA	1								
1999 E1	EJN99-16	E9900355B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	-0.0207	0.02	EDL	ug/g	Wet Wt	1				ICP_07-16-99	0716HMS	7/16/2009	7/16/1999	14:56
1999 E1	EJN99-16	E9900355BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7440-43-9	ICP - AES	Cadmium	1.026	0.02	EDL	ug/g	Wet Wt	1	1.000	103		ICP_07-16-99	0716HMS	7/16/2009	7/16/1999	15:01
1999 E1	EJN99-16	E9900355CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7440-43-9	ICP - AES	Cadmium	1.088	0.02	EDL	ug/g	Wet Wt	1	1.000	109		ICP_07-16-99	0716HMS	7/16/2009	7/16/1999	14:59
1999 E1	EJN99-16	E9900355SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	57.73	0.02	EDL	ug/g	Wet Wt	1	54.3	106		ICP_07-16-99	0716HMS	7/16/2009	7/16/1999	15:03
1999 E1	EJN99-16	E9900356	FRGU ED19 6/5	06/05/99	Tissue	Primary	Franklins Gull	Background	7440-43-9	ICP - AES	Cadmium	-0.2	0.02	EDL	ug/g	Wet Wt	1				ICP_07-16-99	0716HMS	7/16/2009	7/16/1999	15:07
1999 E1	EJN99-16	E9900356	FRGU ED19 6/5	06/05/99	Tissue	Primary	Franklins Gull	Background	7782-49-2	ICP, Hydride	Selenium	1.1	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-20-99A	0720SEMW	7/20/2009	7/20/1999	10:12
1999 E1	EJN99-16	E9900356	FRGU ED19 6/5	06/05/99	Tissue	Primary	Franklins Gull	Background		Gravimetric	Moisture Content	77	1	NA	%	NA	1								
1999 E1	EJN99-16	E9900357	WFIB ED20 6/5	06/05/99	Tissue	Primary	White Faced Ibis	Background	7440-43-9	ICP - AES	Cadmium	-0.18	0.02	EDL	ug/g	Wet Wt	1				ICP_07-16-99	0716HMS	7/16/2009	7/16/1999	15:09
1999 E1	EJN99-16	E9900357	WFIB ED20 6/5	06/05/99	Tissue	Primary	White Faced Ibis	Background	7782-49-2	ICP, Hydride	Selenium	0.6	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-20-99A	0720SEMW	7/20/2009	7/20/1999	10:14
1999 E1	EJN99-16	E9900357	WFIB ED20 6/5	06/05/99	Tissue	Primary	White Faced Ibis	Background		Gravimetric	Moisture Content	84	1	NA	%	NA	1								
1999 E1	EJN99-16	E9900358	WFIB ED21 6/5	06/05/99	Tissue	Primary	White Faced Ibis	Background	7440-43-9	ICP - AES	Cadmium	-0.17	0.02	EDL	ug/g	Wet Wt	1				ICP_07-16-99	0716HMS	7/16/2009	7/16/1999	15:11
1999 E1	EJN99-16	E9900358	WFIB ED21 6/5	06/05/99	Tissue	Primary	White Faced Ibis	Background	7782-49-2	ICP, Hydride	Selenium	0.77	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-20-99A	0720SEMW	7/20/2009	7/20/1999	10:17
1999 E1	EJN99-16	E9900358	WFIB ED21 6/5	06/05/99	Tissue	Primary	White Faced Ibis	Background		Gravimetric	Moisture Content	83	1	NA	%	NA	1								
1999 E1	EJN99-16	E9900359	AMCO ED22 6/5	06/05/99	Tissue	Primary	American Coot	Background	7440-43-9	ICP - AES	Cadmium	-0.19	0.02	EDL	ug/g	Wet Wt	1				ICP_07-16-99	0716HMS	7/16/2009	7/16/1999	15:13
1999 E1	EJN99-16	E9900359	AMCO ED22 6/5	06/05/99	Tissue	Primary	American Coot	Background	7782-49-2	ICP, Hydride	Selenium	0.33	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-20-99A	0720SEMW	7/20/2009	7/20/1999	10:20
1999 E1	EJN99-16	E9900359	AMCO ED22 6/5	06/05/99	Tissue	Primary	American Coot	Background		Gravimetric	Moisture Content	76	1	NA	%	NA	1								
1999 E1	EJN99-16	E9900360	MAWR ED23 6/5	06/05/99	Tissue	Primary	Marsh Wren	Background	7440-43-9	ICP - AES	Cadmium	-0.49	0.02	EDL	ug/g	Wet Wt	1				ICP_07-16-99	0716HMS	7/16/2009	7/16/1999	15:16
1999 E1	EJN99-16	E9900360	MAWR ED23 6/5	06/05/99	Tissue	Primary	Marsh Wren	Background	7782-49-2	ICP, Hydride	Selenium	0.91	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-20-99A	0720SEMW	7/20/2009	7/20/1999	10:23
1999 E1	EJN99-16	E9900360	MAWR ED23 6/5	06/05/99	Tissue	Primary	Marsh Wren	Background		Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
1999 E1	EJN99-16	E9900361	RWBL ML12 6/4	06/04/99	Tissue	Primary	Red-Winged Blackbird	Regional	7440-43-9	ICP - AES	Cadmium	-0.21	0.02	EDL	ug/g	Wet Wt	1				ICP_07-16-99	0716HMS	7/16/2009	7/16/1999	15:18
1999 E1	EJN99-16	E9900361	RWBL ML12 6/4	06/04/99	Tissue	Primary	Red-Winged Blackbird	Regional	7782-49-2	ICP, Hydride	Selenium	0.78	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-20-99A	0720SEMW	7/20/2009	7/20/1999	10:26
1999 E1	EJN99-16	E9900361	RWBL ML12 6/4	06/04/99	Tissue	Primary	Red-Winged Blackbird	Regional		Gravimetric	Moisture Content	85	1	NA	%	NA	1								
1999 E1	EJN99-16	E9900361B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	-0.00105	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-20-99A	0720SEMW	7/20/2009	7/20/1999	10:29
1999 E1	EJN99-16	E9900361BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0512	0.005	EDL	ug/g	Wet Wt	1	0.050	102		VGICP_07-20-99A	0720SEMW	7/20/2009	7/20/1999	10:34
1999 E1	EJN99-16	E9900361CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0512	0.005	EDL	ug/g	Wet Wt	1	0.050	102		VGICP_07-20-99A	0720SEMW	7/20/2009	7/20/1999	10:32
1999 E1	EJN99-16	E9900361SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.457	0.005	EDL	ug/g	Wet Wt	1	0.446	102		VGICP_07-20-99A	0720SEMW	7/20/2009	7/20/1999	10:37
1999 E1	EJN99-16	E9900362	CITE DG12 6/5	06/05/99	Tissue	Primary	Cinnamon Teal	Regional	7440-43-9	ICP - AES	Cadmium	-0.22	0.02	EDL	ug/g	Wet Wt	1				ICP_07-16-99	0716HMS	7/16/2009	7/16/1999	15:20
1999 E1	EJN99-16	E9900362	CITE DG12 6/5	06/05/99	Tissue	Primary	Cinnamon Teal	Regional	7782-49-2	ICP, Hydride	Selenium	0.37	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-20-99B	0721SEMW	7/20/2009	7/20/1999	11:44
1999 E1	EJN99-16	E9900362	CITE DG12 6/5	06/05/99	Tissue	Primary	Cinnamon Teal	Regional		Gravimetric	Moisture Content	72	1	NA	%	NA	1								
1999 E1	EJN99-16	E9900362B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	-0.0200	0.02	EDL	ug/g	Wet Wt	1				ICP_07-16-99	0716HMS	7/16/2009	7/16/1999	15:22
1999 E1	EJN99-16	E9900362BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7440-43-9	ICP - AES	Cadmium	1.044	0.02	EDL	ug/g	Wet Wt	1	1.000	104		ICP_07-16-99	0716HMS	7/16/2009	7/16/1999	15:26
1999 E1	EJN99-16	E9900362CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7440-43-9	ICP - AES	Cadmium	1.134	0.02	EDL	ug/g	Wet Wt	1	1.000	113		ICP_07-16-99	0716HMS	7/16/2009	7/16/1999	15:24
1999 E1	EJN99-16	E9900362SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	63.61	0.02	EDL	ug/g	Wet Wt	1	54.3	117		ICP_07-16-99	0716HMS	7/16/2009	7/16/1999	15:28
1999 E1	EJN99-16	E9900362SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.437	0.005	EDL	ug/g	Wet Wt	1	0.446	98		VGICP_07-20-99B	0721SEMW	7/20/2009	7/20/1999	11:42
1999 E1	EJN99-16	E9900363	SOSP DG13 6/9	06/09/99	Tissue	Primary	Song Sparrow	Regional	7440-43-9	ICP - AES	Cadmium	-0.038	0.02	EDL	ug/g	Wet Wt	1				ICP_07-19-99	0719HMS	7/16/1999	7/19/1999	10:29
1999 E1	EJN99-16	E9900363	SOSP DG13 6/9	06/09/99	Tissue	Primary	Song Sparrow	Regional	7782-49-2	ICP, Hydride	Selenium	0.64	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-20-99B	0721SEMW	7/20/2009	7/20/1999	11:47
1999 E1	EJN99-16	E9900363	SOSP DG13 6/9	06/09/99	Tissue	Primary	Song Sparrow	Regional		Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
1999 E1	EJN99-16	E9900363B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	-0.0033	0.02	EDL	ug/g	Wet Wt	1				ICP_07-19-99	0719HMS	7/16/1999	7/19/1999	10:23
1999 E1	EJN99-16	E9900363C1	Check Standard	NA	Lab QC	ICV	NA	NA	7440-43-9	ICP - AES	Cadmium	1.000	0.02	EDL	ug/g	Wet Wt	1	1.000	100		ICP_07-19-99	0719HMS	7/16/1999	7/19/1999	9:44
1999 E1	EJN99-16	E9900363C2	Check Standard	NA	Lab QC	ICV	NA	NA	7440-43-9	ICP - AES	Cadmium	5.000	0.02	EDL	ug/g	Wet Wt	1	5.000	100		ICP_07-19-99	0719HMS	7/16/1999	7/19/1999	9:47
1999 E1	EJN99-15	E9900363S1	TORT-2	NA	Tissue	SRM	NA	NA	7440-43-9	ICP - AES	Cadmium	29.66	0.02	EDL	ug/g	Wet Wt	1	26.7	111		ICP_07-19-99	0719HMS	7/16/1999	7/19/1999	10:27
1999 E1	EJN99-16	E9900363SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	58.14	0.02	EDL	ug/g	Wet Wt	1	54.3	107		ICP_07-19-99	0719HMS	7/16/1999	7/19/1999	10:25
1999 E1	EJN99-16	E9900364	MOBL ML17 6/6	06/06/99	Tissue	Primary	Mountain Bluebird	Mine	7440-43-9	ICP - AES	Cadmium	-0.011	0.02	EDL	ug/g	Wet Wt	1				ICP_07-19-99	0719HMS	7/16/1999	7/19/1999	10:31
1999 E1	EJN99-16	E9900364	MOBL ML17 6/6	06/06/99	Tissue	Primary	Mountain Bluebird	Mine	7782-49-2	ICP, Hydride	Selenium	0.83	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-20-99B	0721SEMW	7/20/2009	7/20/1999	11:50

Event	UIASL Case #	UIASL Sample ID	Field Sample ID	Collection Date	Matrix	QC Type	Common Name	Spatial Relevance	CAS #	Method	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% Rec	QC Flag	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
1999 E1	EJN99-16	E9900364	MOBL ML17 6/6	06/06/99	Tissue	Primary	Mountain Bluebird	Mine		Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
1999 E1	EJN99-16	E9900365	AMRO ML19 6/6	06/06/99	Tissue	Primary	American Robin	Mine	7440-43-9	ICP - AES	Cadmium	-0.02	0.02	EDL	ug/g	Wet Wt	1				ICP_07-19-99	0719HMS	7/16/1999	7/19/1999	10:33
1999 E1	EJN99-16	E9900365	AMRO ML19 6/6	06/06/99	Tissue	Primary	American Robin	Mine	7782-49-2	ICP, Hydride	Selenium	0.86	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-20-99B	0721SEMW	7/20/2009	7/20/1999	11:53
1999 E1	EJN99-16	E9900365	AMRO ML19 6/6	06/06/99	Tissue	Primary	American Robin	Mine		Gravimetric	Moisture Content	84	1	NA	%	NA	1								
1999 E1	EJN99-16	E9900366	AMCO ED16 6/5	06/05/99	Tissue	Primary	American Coot	Background	7440-43-9	ICP - AES	Cadmium	-0.017	0.02	EDL	ug/g	Wet Wt	1				ICP_07-19-99	0719HMS	7/16/1999	7/19/1999	10:35
1999 E1	EJN99-16	E9900366	AMCO ED16 6/5	06/05/99	Tissue	Primary	American Coot	Background	7782-49-2	ICP, Hydride	Selenium	0.32	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-20-99B	0721SEMW	7/20/2009	7/20/1999	11:56
1999 E1	EJN99-16	E9900366	AMCO ED16 6/5	06/05/99	Tissue	Primary	American Coot	Background		Gravimetric	Moisture Content	77	1	NA	%	NA	1								
1999 E1	EJN99-16	E9900366MS	AMCO ED16 MS	NA	Tissue	MS	NA	NA	7440-43-9	ICP - AES	Cadmium	110	NA	NA	%				110		ICP_07-19-99	0719HMS	7/16/1999	7/19/1999	10:38
1999 E1	EJN99-16	E9900366MS	AMCO ED16 MS	NA	Tissue	MS	NA	NA	7782-49-2	ICP, Hydride	Selenium	103	NA	NA	%				103		VGICP_07-20-99B	0721SEMW	7/20/2009	7/20/1999	11:58
1999 E1	EJN99-16	E9900367	CLSW ED27 6/6	06/06/99	Tissue	Primary	Cliff Swallow	Regional	7440-43-9	ICP - AES	Cadmium	-0.078	0.02	EDL	ug/g	Wet Wt	1				ICP_07-19-99	0719HMS	7/16/1999	7/19/1999	10:40
1999 E1	EJN99-16	E9900367	CLSW ED27 6/6	06/06/99	Tissue	Primary	Cliff Swallow	Regional	7782-49-2	ICP, Hydride	Selenium	0.56	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-20-99B	0721SEMW	7/20/2009	7/20/1999	12:01
1999 E1	EJN99-16	E9900367	CLSW ED27 6/6	06/06/99	Tissue	Primary	Cliff Swallow	Regional		Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
1999 E1	EJY99-03	E9900367S3	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.410	0.005	EDL	ug/g	Wet Wt	1	0.446	92		VGICP_07-23-99	0723SEMW	7/23/1999	7/23/1999	12:43
1999 E1	EJN99-16	E9900368	CLSW ED28 6/6	06/06/99	Tissue	Primary	Cliff Swallow	Regional	7440-43-9	ICP - AES	Cadmium	-0.042	0.02	EDL	ug/g	Wet Wt	1				ICP_07-19-99	0719HMS	7/16/1999	7/19/1999	10:42
1999 E1	EJN99-16	E9900368	CLSW ED28 6/6	06/06/99	Tissue	Primary	Cliff Swallow	Regional	7782-49-2	ICP, Hydride	Selenium	0.39	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-20-99B	0721SEMW	7/20/2009	7/20/1999	12:04
1999 E1	EJN99-16	E9900368	CLSW ED28 6/6	06/06/99	Tissue	Primary	Cliff Swallow	Regional		Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
1999 E1	EJN99-16	E9900369	AMRO ED29 6/9	06/09/99	Tissue	Primary	American Robin	Regional	7440-43-9	ICP - AES	Cadmium	-0.014	0.02	EDL	ug/g	Wet Wt	1				ICP_07-19-99	0719HMS	7/16/1999	7/19/1999	10:44
1999 E1	EJN99-16	E9900369	AMRO ED29 6/9	06/09/99	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.47	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-20-99B	0721SEMW	7/20/2009	7/20/1999	12:07
1999 E1	EJN99-16	E9900369	AMRO ED29 6/9	06/09/99	Tissue	Primary	American Robin	Regional		Gravimetric	Moisture Content	83	1	NA	%	NA	1								
1999 E1	EJN99-16	E9900370	MOBL MW50 6/6	06/06/99	Tissue	Primary	Mountain Bluebird	Mine	7440-43-9	ICP - AES	Cadmium	-0.018	0.02	EDL	ug/g	Wet Wt	1				ICP_07-19-99	0719HMS	7/16/1999	7/19/1999	10:46
1999 E1	EJN99-16	E9900370	MOBL MW50 6/6	06/06/99	Tissue	Primary	Mountain Bluebird	Mine	7782-49-2	ICP, Hydride	Selenium	2.7	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-20-99B	0721SEMW	7/20/2009	7/20/1999	12:10
1999 E1	EJN99-16	E9900370	MOBL MW50 6/6	06/06/99	Tissue	Primary	Mountain Bluebird	Mine		Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
1999 E1	EJN99-16	E9900370B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.000320	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-20-99B	0721SEMW	7/20/2009	7/20/1999	12:13
1999 E1	EJN99-16	E9900370BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0496	0.005	EDL	ug/g	Wet Wt	1	0.050	99		VGICP_07-20-99B	0721SEMW	7/20/2009	7/20/1999	12:18
1999 E1	EJN99-16	E9900370CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0504	0.005	EDL	ug/g	Wet Wt	1	0.050	101		VGICP_07-20-99B	0721SEMW	7/20/2009	7/20/1999	12:15
1999 E1	EJN99-16	E9900370SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.425	0.005	EDL	ug/g	Wet Wt	1	0.446	95		VGICP_07-20-99B	0721SEMW	7/20/2009	7/20/1999	12:21
1999 E1	EJN99-16	E9900371	CLSW MW51 6/6	06/06/99	Tissue	Primary	Cliff Swallow	Regional	7440-43-9	ICP - AES	Cadmium	-0.0033	0.02	EDL	ug/g	Wet Wt	1				ICP_07-19-99	0719HMS	7/16/1999	7/19/1999	10:50
1999 E1	EJN99-16	E9900371	CLSW MW51 6/6	06/06/99	Tissue	Primary	Cliff Swallow	Regional	7782-49-2	ICP, Hydride	Selenium	0.63	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-20-99B	0721SEMW	7/20/2009	7/20/1999	12:24
1999 E1	EJN99-16	E9900371	CLSW MW51 6/6	06/06/99	Tissue	Primary	Cliff Swallow	Regional		Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
1999 E1	EJN99-16	E9900372	RWBL MW52 6/6	06/06/99	Tissue	Primary	Red-Winged Blackbir	Regional	7440-43-9	ICP - AES	Cadmium	-0.0079	0.02	EDL	ug/g	Wet Wt	1				ICP_07-19-99	0719HMS	7/16/1999	7/19/1999	10:52
1999 E1	EJN99-16	E9900372	RWBL MW52 6/6	06/06/99	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.38	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-20-99B	0721SEMW	7/20/2009	7/20/1999	12:27
1999 E1	EJN99-16	E9900372	RWBL MW52 6/6	06/06/99	Tissue	Primary	Red-Winged Blackbir	Regional		Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
1999 E1	EJN99-16	E9900373	RWBL NB27 6/6	06/06/99	Tissue	Primary	Red-Winged Blackbir	Mine	7440-43-9	ICP - AES	Cadmium	-0.026	0.02	EDL	ug/g	Wet Wt	1				ICP_07-19-99	0719HMS	7/16/1999	7/19/1999	10:55
1999 E1	EJN99-16	E9900373	RWBL NB27 6/6	06/06/99	Tissue	Primary	Red-Winged Blackbir	Mine	7782-49-2	ICP, Hydride	Selenium	1	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-20-99B	0721SEMW	7/20/2009	7/20/1999	12:30
1999 E1	EJN99-16	E9900373	RWBL NB27 6/6	06/06/99	Tissue	Primary	Red-Winged Blackbir	Mine		Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
1999 E1	EJN99-16	E9900373B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	-0.0026	0.02	EDL	ug/g	Wet Wt	1				ICP_07-19-99	0719HMS	7/16/1999	7/19/1999	10:57
1999 E1	EJN99-16	E9900373BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7440-43-9	ICP - AES	Cadmium	1.000	0.02	EDL	ug/g	Wet Wt	1	1.000	100		ICP_07-19-99	0719HMS	7/16/1999	7/19/1999	11:01
1999 E1	EJN99-16	E9900373CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7440-43-9	ICP - AES	Cadmium	1.099	0.02	EDL	ug/g	Wet Wt	1	1.000	110		ICP_07-19-99	0719HMS	7/16/1999	7/19/1999	10:59
1999 E1	EJN99-16	E9900373SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	58.94	0.02	EDL	ug/g	Wet Wt	1	54.3	109		ICP_07-19-99	0719HMS	7/16/1999	7/19/1999	11:03
1999 E1	EJN99-16	E9900374	TRES NB28 6/6	06/06/99	Tissue	Primary	Tree Swallow	Mine	7440-43-9	ICP - AES	Cadmium	-0.05	0.02	EDL	ug/g	Wet Wt	1				ICP_07-19-99	0719HMS	7/16/1999	7/19/1999	11:05
1999 E1	EJN99-16	E9900374	TRES NB28 6/6	06/06/99	Tissue	Primary	Tree Swallow	Mine	7782-49-2	ICP, Hydride	Selenium	0.67	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-20-99B	0721SEMW	7/20/2009	7/20/1999	12:33
1999 E1	EJN99-16	E9900374	TRES NB28 6/6	06/06/99	Tissue	Primary	Tree Swallow	Mine		Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
1999 E1	EJN99-16	E9900375	BHCO NB29 6/9	06/09/99	Tissue	Primary	Brown-Headed Cowbi	Regional	7440-43-9	ICP - AES	Cadmium	-0.067	0.02	EDL	ug/g	Wet Wt	1				ICP_07-19-99	0719HMS	7/16/1999	7/19/1999	11:07
1999 E1	EJN99-16	E9900375	BHCO NB29 6/9	06/09/99	Tissue	Primary	Brown-Headed Cowbi	Regional	7782-49-2	ICP, Hydride	Selenium	0.59	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-20-99B	0721SEMW	7/20/2009	7/20/1999	12:36
1999 E1	EJN99-16	E9900375	BHCO NB29 6/9	06/09/99	Tissue	Primary	Brown-Headed Cowbi	Regional		Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
1999 E1	EJN99-16	E9900376	AMCO MW45 6/5	06/05/99	Tissue	Triplicate	American Coot	Background	7440-43-9	ICP - AES	Cadmium	-0.017	0.02	EDL	ug/g	Wet Wt	1				ICP_07-19-99	0719HMS	7/16/1999	7/19/1999	11:10
1999 E1	EJN99-16	E9900376	AMCO MW45 6/5	06/05/99	Tissue	Triplicate	American Coot	Background	7782-49-2	ICP, Hydride	Selenium	0.34	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-20-99B	0721SEMW	7/20/2009	7/20/1999	12:38
1999 E1	EJN99-16	E9900376	AMCO MW45 6/5	06/05/99	Tissue	Triplicate	American Coot	Background		Gravimetric	Moisture Content	75	1	NA	%	NA	1								
1999 E1	EJN99-16	E9900376-2	AMCO MW45 6/5	06/05/99	Tissue	Triplicate	American Coot	Background	7440-43-9	ICP - AES	Cadmium	-0.037	0.02	EDL	ug/g	Wet Wt	1				ICP_07-19-99	0719HMS	7/16/1999	7/19/1999	11:12
1999 E1	EJN99-16	E9900376-2	AMCO MW45 6/5	06/05/99	Tissue	Triplicate	American Coot	Background	7782-49-2	ICP, Hydride	Selenium	0.31	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-20-99B	0721SEMW	7/20/2009	7/20/1999	12:41
1999 E1	EJN99-16	E9900376-2	AMCO MW45 6/5	06/05/99	Tissue	Triplicate	American Coot	Background		Gravimetric	Moisture Content	74	1	NA	%	NA	1								
1999 E1	EJN99-16	E9900376-3	AMCO MW45 6/5	06/05/99	Tissue	Triplicate	American Coot	Background	7440-43-9	ICP - AES	Cadmium	-0.22	0.02	EDL	ug/g	Wet Wt	1				ICP_07-19-99	0719HMS	7/16/1999	7/19/1999	11:14
1999 E1	EJN99-16	E9900376-3	AMCO MW45 6/5	06/05/99	Tissue	Triplicate	American Coot	Background	7782-49-2	ICP, Hydride	Selenium	0.32	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-20-99B	0721SEMW	7/20/2009	7/20/1999	12:44
1999 E1	EJN99-16	E9900376-3	AMCO MW45 6/5	06/05/99	Tissue	Triplicate	American Coot	Background		Gravimetric	Moisture Content	75	1	NA	%	NA	1								
1999 E1	EJN99-16	E9900377	AMCO MW47 6/6	06/06/99	Tissue	Primary	American Coot	Regional	7440-43-9	ICP - AES	Cadmium	-0.016	0.02	EDL	ug/g	Wet Wt	1				ICP_07-19-99	0719HMS	7/16/1999	7/19/1999	11:18
1999 E1	EJN99-16	E9900377	AMCO MW47 6/6	06/06/99	Tissue	Primary	American Coot	Regional	7782-49-2	ICP, Hydride	Selenium	0.35	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-20-99B	0721SEMW	7/20/2009	7/20/1999	12:47
1999 E1	EJN99-16	E9900377	AMCO MW47 6/6	06/06/99	Tissue	Primary	American Coot	Regional		Gravimetric	Moisture Content	75	1	NA	%	NA	1								
1999 E1	EJN99-16	E9900378	YHBL MW44 6/5	06/05/99	Tissue	Primary	Yellow Headed Blackbi	Background	7440-43-9	ICP - AES	Cadmium	-0.015	0.02	EDL	ug/g	Wet Wt	1				ICP_07-19-99	0719HMS	7/16/1999	7/19/1999	11:20
1999 E1	EJN99-16	E9900378	YHBL MW44 6/5	06/05/99	Tissue	Primary	Yellow Headed Blackbi	Background	7782-49-2	ICP, Hydride	Selenium	0.52	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-20-99B	0721SEMW	7/20/2009	7/20/1999	12:50
1999 E1	EJN99-16	E9900378	YHBL MW44 6/5	06/05/99	Tissue	Primary	Yellow Headed Blackbi	Background		Gravimetric	Moisture Content	83	1	NA	%	NA	1								
1999 E1	EJN99-16	E9900379	AMKE ED26 6/6	06/06/99	Tissue	Primary	American Kestrel	Regional	7440-43-9	ICP - AES	Cadmium	-0.019	0.02	EDL	ug/g	Wet Wt	1				ICP_07-19-99	0719HMS	7/16/1999	7/19/1999	11:22
1999 E1	EJN99-16	E9900379	AMKE ED26 6/6	06/06/99	Tissue	Primary	American Kestrel	Regional	7782-49-2	ICP, Hydride	Selenium	2	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-20-99B	0721SEMW	7/20/2009	7/20/1999	12:53
1999 E1	EJN99-16	E9900379	AMKE ED26 6/6	06/06/99	Tissue	Primary	American Kestrel	Regional		Gravimetric	Moisture Content	80	1	NA	%	NA	1								
1999 E1	EJN99-16	E9900379MS	AMKE ED26 MS	NA	Tissue	MS	NA	NA	7440-43-9	ICP - AES	Cadmium	123	NA	NA	%				123		ICP_07-19-99	0719HMS	7/16/1999	7/19/1999	11:25
1999 E1	EJN99-16	E9900379MS	AMKE ED26 MS	NA	Tissue	MS	NA	NA	7782-49-2	ICP, Hydride	Selenium	95	NA	NA	%				95		VGICP_07-20-99B	0721SEMW	7/20/2009	7/20/1999	12:56

Event	UIASL Case #	UIASL Sample ID	Field Sample ID	Collection Date	Matrix	QC Type	Common Name	Spatial Relevance	CAS #	Method	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% Rec	QC Flag	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
1999 E1	EJN99-16	E9900380	AMRO MW49 6/6	06/06/99	Tissue	Primary	American Robin	Mine	7440-43-9	ICP - AES	Cadmium	-0.02	0.02	EDL	ug/g	Wet Wt	1				ICP_07-19-99	0719HMS	7/16/1999	7/19/1999	11:27
1999 E1	EJN99-16	E9900380	AMRO MW49 6/6	06/06/99	Tissue	Primary	American Robin	Mine	7782-49-2	ICP, Hydride	Selenium	1.3	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-20-99B	0721SEMW	7/20/2009	7/20/1999	12:58
1999 E1	EJN99-16	E9900380	AMRO MW49 6/6	06/06/99	Tissue	Primary	American Robin	Mine		Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
1999 E1	EJN99-16	E9900381	MAWR MW46 6/5	06/05/99	Tissue	Primary	Marsh Wren	Background	7440-43-9	ICP - AES	Cadmium	-0.066	0.02	EDL	ug/g	Wet Wt	1				ICP_07-19-99	0719HMS	7/16/1999	7/19/1999	11:29
1999 E1	EJN99-16	E9900381	MAWR MW46 6/5	06/05/99	Tissue	Primary	Marsh Wren	Background	7782-49-2	ICP, Hydride	Selenium	0.82	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-20-99B	0721SEMW	7/20/2009	7/20/1999	13:01
1999 E1	EJN99-16	E9900381	MAWR MW46 6/5	06/05/99	Tissue	Primary	Marsh Wren	Background		Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
1999 E1	EJN99-16	E9900382	MOBL ED25 6/6	06/06/99	Tissue	Primary	Mountain Bluebird	Regional	7440-43-9	ICP - AES	Cadmium	-0.018	0.02	EDL	ug/g	Wet Wt	1				ICP_07-19-99	0719HMS	7/16/1999	7/19/1999	11:31
1999 E1	EJN99-16	E9900382	MOBL ED25 6/6	06/06/99	Tissue	Primary	Mountain Bluebird	Regional	7782-49-2	ICP, Hydride	Selenium	1.9	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-20-99B	0721SEMW	7/20/2009	7/20/1999	13:04
1999 E1	EJN99-16	E9900382	MOBL ED25 6/6	06/06/99	Tissue	Primary	Mountain Bluebird	Regional		Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
1999 E1	EJN99-16	E9900383	MOBL MW48 6/6	06/06/99	Tissue	Primary	Mountain Bluebird	Mine	7440-43-9	ICP - AES	Cadmium	-0.053	0.02	EDL	ug/g	Wet Wt	1				ICP_07-19-99	0719HMS	7/16/1999	7/19/1999	11:33
1999 E1	EJN99-16	E9900383	MOBL MW48 6/6	06/06/99	Tissue	Primary	Mountain Bluebird	Mine	7782-49-2	ICP, Hydride	Selenium	3.1	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-20-99B	0721SEMW	7/20/2009	7/20/1999	13:07
1999 E1	EJN99-16	E9900383	MOBL MW48 6/6	06/06/99	Tissue	Primary	Mountain Bluebird	Mine		Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
1999 E1	EJN99-16	E9900383B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	-0.0025	0.02	EDL	ug/g	Wet Wt	1				ICP_07-19-99	0719HMS	7/16/1999	7/19/1999	11:35
1999 E1	EJN99-16	E9900383B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.000715	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-20-99B	0721SEMW	7/20/2009	7/20/1999	13:10
1999 E1	EJN99-16	E9900383BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7440-43-9	ICP - AES	Cadmium	1.057	0.02	EDL	ug/g	Wet Wt	1	1.000	106		ICP_07-19-99	0719HMS	7/16/1999	7/19/1999	11:40
1999 E1	EJN99-16	E9900383BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0486	0.005	EDL	ug/g	Wet Wt	1	0.050	97		VGICP_07-20-99B	0721SEMW	7/20/2009	7/20/1999	13:15
1999 E1	EJN99-16	E9900383CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7440-43-9	ICP - AES	Cadmium	1.078	0.02	EDL	ug/g	Wet Wt	1	1.000	108		ICP_07-19-99	0719HMS	7/16/1999	7/19/1999	11:35
1999 E1	EJN99-16	E9900383CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0495	0.005	EDL	ug/g	Wet Wt	1	0.050	99		VGICP_07-20-99B	0721SEMW	7/20/2009	7/20/1999	13:13
1999 E1	EJN99-16	E9900383SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	60.84	0.02	EDL	ug/g	Wet Wt	1	54.3	112		ICP_07-19-99	0719HMS	7/16/1999	7/19/1999	11:43
1999 E1	EJN99-16	E9900383SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.434	0.005	EDL	ug/g	Wet Wt	1	0.446	97		VGICP_07-20-99B	0721SEMW	7/20/2009	7/20/1999	13:18
1999 E1	EJN99-19	E9900399	RWBL ML18 6/6	06/06/99	Tissue	Primary	Red-Winged Blackbir	Mine	7440-43-9	ICP - AES	Cadmium	0.0093	0.02	EDL	ug/g	Wet Wt	1				ICP_07-29-99	0729HMS	7/29/1999	7/29/1999	14:49
1999 E1	EJN99-19	E9900399	RWBL ML18 6/6	06/06/99	Tissue	Primary	Red-Winged Blackbir	Mine	7782-49-2	ICP, Hydride	Selenium	0.9	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-22-99	0722SEMW	7/23/1999	7/23/1999	10:16
1999 E1	EJN99-19	E9900399	RWBL ML18 6/6	06/06/99	Tissue	Primary	Red-Winged Blackbir	Mine		Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
1999 E1	EJN99-19	E9900399B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	0.0006	0.02	EDL	ug/g	Wet Wt	1				ICP_07-29-99	0729HMS	7/29/1999	7/29/1999	14:44
1999 E1	EJN99-19	E9900399CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.505	0.005	EDL	ug/g	Wet Wt	1	0.050	1010		VGICP_07-22-99	0722SEMW	7/23/1999	7/23/1999	10:09
1999 E1	EJN99-19	E9900399SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	56.83	0.02	EDL	ug/g	Wet Wt	1	54.3	105		ICP_07-29-99	0729HMS	7/29/1999	7/29/1999	14:47
1999 E1	EJN99-19	E9900399SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.444	0.005	EDL	ug/g	Wet Wt	1	0.446	100		VGICP_07-22-99	0722SEMW	7/23/1999	7/23/1999	10:11
1999 E1	EJN99-19	E9900400	SOSP ML20 6/9	06/09/99	Tissue	Primary	Song Sparrow	Regional	7440-43-9	ICP - AES	Cadmium	-0.0008	0.02	EDL	ug/g	Wet Wt	1				ICP_07-29-99	0729HMS	7/29/1999	7/29/1999	14:51
1999 E1	EJN99-19	E9900400	SOSP ML20 6/9	06/09/99	Tissue	Primary	Song Sparrow	Regional	7782-49-2	ICP, Hydride	Selenium	0.64	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-22-99	0722SEMW	7/23/1999	7/23/1999	10:18
1999 E1	EJN99-19	E9900400	SOSP ML20 6/9	06/09/99	Tissue	Primary	Song Sparrow	Regional		Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
1999 E1	EJN99-19	E9900401	RWBL ML22 6/11	06/11/99	Tissue	Primary	Red-Winged Blackbir	Background	7440-43-9	ICP - AES	Cadmium	0.014	0.02	EDL	ug/g	Wet Wt	1				ICP_07-29-99	0729HMS	7/29/1999	7/29/1999	14:53
1999 E1	EJN99-19	E9900401	RWBL ML22 6/11	06/11/99	Tissue	Primary	Red-Winged Blackbir	Background	7782-49-2	ICP, Hydride	Selenium	0.5	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-22-99	0722SEMW	7/23/1999	7/23/1999	10:21
1999 E1	EJN99-19	E9900401	RWBL ML22 6/11	06/11/99	Tissue	Primary	Red-Winged Blackbir	Background		Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
1999 E1	EJN99-19	E9900402	MAWR ML23 6/11	06/11/99	Tissue	Primary	Marsh Wren	Regional	7440-43-9	ICP - AES	Cadmium	-0.042	0.02	EDL	ug/g	Wet Wt	1				ICP_07-29-99	0729HMS	7/29/1999	7/29/1999	14:55
1999 E1	EJN99-19	E9900402	MAWR ML23 6/11	06/11/99	Tissue	Primary	Marsh Wren	Regional	7782-49-2	ICP, Hydride	Selenium	1.1	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-22-99	0722SEMW	7/23/1999	7/23/1999	10:24
1999 E1	EJN99-19	E9900402	MAWR ML23 6/11	06/11/99	Tissue	Primary	Marsh Wren	Regional		Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
1999 E1	EJN99-19	E9900403	BHCO DG14 6/9	06/09/99	Tissue	Primary	Brown-Headed Cowbi	Regional	7440-43-9	ICP - AES	Cadmium	-0.016	0.02	EDL	ug/g	Wet Wt	1				ICP_07-29-99	0729HMS	7/29/1999	7/29/1999	14:58
1999 E1	EJN99-19	E9900403	BHCO DG14 6/9	06/09/99	Tissue	Primary	Brown-Headed Cowbi	Regional	7782-49-2	ICP, Hydride	Selenium	0.5	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-22-99	0722SEMW	7/23/1999	7/23/1999	10:27
1999 E1	EJN99-19	E9900403	BHCO DG14 6/9	06/09/99	Tissue	Primary	Brown-Headed Cowbi	Regional		Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
1999 E1	EJN99-19	E9900404	BHCO MW53 6/9	06/09/99	Tissue	Primary	Brown-Headed Cowbi	Regional	7440-43-9	ICP - AES	Cadmium	-0.0057	0.02	EDL	ug/g	Wet Wt	1				ICP_07-29-99	0729HMS	7/29/1999	7/29/1999	15:00
1999 E1	EJN99-19	E9900404	BHCO MW53 6/9	06/09/99	Tissue	Primary	Brown-Headed Cowbi	Regional	7782-49-2	ICP, Hydride	Selenium	0.88	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-22-99	0722SEMW	7/23/1999	7/23/1999	10:30
1999 E1	EJN99-19	E9900404	BHCO MW53 6/9	06/09/99	Tissue	Primary	Brown-Headed Cowbi	Regional		Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
1999 E1	EJN99-19	E9900405	CLSW MW55 6/10	06/10/99	Tissue	Primary	Cliff Swallow	Regional	7440-43-9	ICP - AES	Cadmium	-0.0022	0.02	EDL	ug/g	Wet Wt	1				ICP_07-29-99	0729HMS	7/29/1999	7/29/1999	15:02
1999 E1	EJN99-19	E9900405	CLSW MW55 6/10	06/10/99	Tissue	Primary	Cliff Swallow	Regional	7782-49-2	ICP, Hydride	Selenium	0.71	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-22-99	0722SEMW	7/23/1999	7/23/1999	10:33
1999 E1	EJN99-19	E9900405	CLSW MW55 6/10	06/10/99	Tissue	Primary	Cliff Swallow	Regional		Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
1999 E1	EJN99-19	E9900406	SOSP NB30 6/6	06/06/99	Tissue	Primary	Song Sparrow	Regional	7440-43-9	ICP - AES	Cadmium	0.0039	0.02	EDL	ug/g	Wet Wt	1				ICP_07-29-99	0729HMS	7/29/1999	7/29/1999	15:04
1999 E1	EJN99-19	E9900406	SOSP NB30 6/6	06/06/99	Tissue	Primary	Song Sparrow	Regional	7782-49-2	ICP, Hydride	Selenium	0.43	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-22-99	0722SEMW	7/23/1999	7/23/1999	10:36
1999 E1	EJN99-19	E9900406	SOSP NB30 6/6	06/06/99	Tissue	Primary	Song Sparrow	Regional		Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
1999 E1	EJN99-19	E9900407	CITE NB31 6/11	06/11/99	Tissue	Primary	Cinnamon Teal	Background	7440-43-9	ICP - AES	Cadmium	0.0021	0.02	EDL	ug/g	Wet Wt	1				ICP_07-29-99	0729HMS	7/29/1999	7/29/1999	15:07
1999 E1	EJN99-19	E9900407	CITE NB31 6/11	06/11/99	Tissue	Primary	Cinnamon Teal	Background	7782-49-2	ICP, Hydride	Selenium	0.52	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-22-99	0722SEMW	7/23/1999	7/23/1999	10:39
1999 E1	EJN99-19	E9900407	CITE NB31 6/11	06/11/99	Tissue	Primary	Cinnamon Teal	Background		Gravimetric	Moisture Content	70	1	NA	%	NA	1								
1999 E1	EJN99-19	E9900407B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	-0.0009	0.02	EDL	ug/g	Wet Wt	1				ICP_07-29-99	0729HMS	7/29/1999	7/29/1999	15:11
1999 E1	EJN99-19	E9900407B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	-0.000614	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-22-99	0722SEMW	7/23/1999	7/23/1999	10:44
1999 E1	EJN99-19	E9900407BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7440-43-9	ICP - AES	Cadmium	1.064	0.02	EDL	ug/g	Wet Wt	1	1.000	106		ICP_07-29-99	0729HMS	7/29/1999	7/29/1999	15:15
1999 E1	EJN99-19	E9900407BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0496	0.005	EDL	ug/g	Wet Wt	1	0.050	99		VGICP_07-22-99	0722SEMW	7/23/1999	7/23/1999	10:50
1999 E1	EJN99-19	E9900407CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7440-43-9	ICP - AES	Cadmium	10.48	0.02	EDL	ug/g	Wet Wt	1	1.000	1048		ICP_07-29-99	0729HMS	7/29/1999	7/29/1999	15:13
1999 E1	EJN99-19	E9900407CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0496	0.005	EDL	ug/g	Wet Wt	1	0.050	99		VGICP_07-22-99	0722SEMW	7/23/1999	7/23/1999	10:47
1999 E1	EJN99-19	E9900407MS	CITE NB31 MS	NA	Tissue	MS	NA	NA	7440-43-9	ICP - AES	Cadmium	106	NA	NA	%				106		ICP_07-29-99	0729HMS	7/29/1999	7/29/1999	15:09
1999 E1	EJN99-19	E9900407MS	CITE NB31 MS	NA	Tissue	MS	NA	NA	7782-49-2	ICP, Hydride	Selenium	100	NA	NA	%				100		VGICP_07-22-99	0722SEMW	7/23/1999	7/23/1999	10:41
1999 E1	EJN99-19	E9900407SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	58.22	0.02	EDL	ug/g	Wet Wt	1	54.3	107		ICP_07-29-99	0729HMS	7/29/1999	7/29/1999	15:22
1999 E1	EJN99-19	E9900407SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.416	0.005	EDL	ug/g	Wet Wt	1	0.446	93		VGICP_07-22-99	0722SEMW	7/23/1999	7/23/1999	10:53
1999 E1	EJN99-19	E9900408	RWBL NB33 6/11	06/11/99	Tissue	Primary	Red-Winged Blackbir	Background	7440-43-9	ICP - AES	Cadmium	0.0086	0.02	EDL	ug/g	Wet Wt	1				ICP_07-29-99	0729HMS	7/29/1999	7/29/1999	15:24
1999 E1	EJN99-19	E9900408	RWBL NB33 6/11	06/11/99	Tissue	Primary	Red-Winged Blackbir	Background	7782-49-2	ICP, Hydride	Selenium	0.29	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-22-99	0722SEMW	7/23/1999	7/23/1999	10:56
1999 E1	EJN99-19	E9900408	RWBL NB33 6/11	06/11/99	Tissue	Primary	Red-Winged Blackbir	Background		Gravimetric	Moisture Content	83	1	NA	%	NA	1								
1999 E1	EJN99-19	E9900409	CLSW ED34 6/10	06/10/99	Tissue	Primary	Cliff Swallow	Regional	7440-43-9	ICP - AES	Cadmium	0.017	0.02	EDL	ug/g	Wet Wt	1				ICP_07-29-99	0729HMS	7/29/1999	7/29/1999	15:26

Event	UIASL Case #	UIASL Sample ID	Field Sample ID	Collection Date	Matrix	QC Type	Common Name	Spatial Relevance	CAS #	Method	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% Rec	QC Flag	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
1999 E1	EJN99-19	E9900409	CLSW ED34 6/10	06/10/99	Tissue	Primary	Cliff Swallow	Regional	7782-49-2	ICP, Hydride	Selenium	0.56	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-22-99	0722SEMW	7/23/1999	7/23/1999	10:58
1999 E1	EJN99-19	E9900409	CLSW ED34 6/10	06/10/99	Tissue	Primary	Cliff Swallow	Regional		Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
1999 E1	EJN99-19	E9900410	MALL ED4 6/10	06/10/99	Tissue	Primary	Mallard	Regional	7440-43-9	ICP - AES	Cadmium	0.0046	0.02	EDL	ug/g	Wet Wt	1				ICP_07-29-99	0729HMS	7/29/1999	7/29/1999	15:29
1999 E1	EJN99-19	E9900410	MALL ED4 6/10	06/10/99	Tissue	Primary	Mallard	Regional	7782-49-2	ICP, Hydride	Selenium	0.72	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-22-99	0722SEMW	7/23/1999	7/23/1999	11:01
1999 E1	EJN99-19	E9900410	MALL ED4 6/10	06/10/99	Tissue	Primary	Mallard	Regional		Gravimetric	Moisture Content	74	1	NA	%	NA	1								
1999 E1	EJN99-19	E9900411	MALL ED24 6/10	06/10/99	Tissue	Primary	Mallard	Regional	7440-43-9	ICP - AES	Cadmium	0.0016	0.02	EDL	ug/g	Wet Wt	1				ICP_07-29-99	0729HMS	7/29/1999	7/29/1999	15:31
1999 E1	EJN99-19	E9900411	MALL ED24 6/10	06/10/99	Tissue	Primary	Mallard	Regional	7782-49-2	ICP, Hydride	Selenium	0.89	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-22-99	0722SEMW	7/23/1999	7/23/1999	11:04
1999 E1	EJN99-19	E9900411	MALL ED24 6/10	06/10/99	Tissue	Primary	Mallard	Regional		Gravimetric	Moisture Content	69	1	NA	%	NA	1								
1999 E1	EJN99-19	E9900412	MALL ED30 6/10	06/10/99	Tissue	Triplicate	Mallard	Regional	7440-43-9	ICP - AES	Cadmium	-0.0037	0.02	EDL	ug/g	Wet Wt	1				ICP_07-29-99	0729HMS	7/29/1999	7/29/1999	15:33
1999 E1	EJN99-19	E9900412	MALL ED30 6/10	06/10/99	Tissue	Triplicate	Mallard	Regional	7782-49-2	ICP, Hydride	Selenium	0.48	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-22-99	0722SEMW	7/23/1999	7/23/1999	11:07
1999 E1	EJN99-19	E9900412	MALL ED30 6/10	06/10/99	Tissue	Triplicate	Mallard	Regional		Gravimetric	Moisture Content	71	1	NA	%	NA	1								
1999 E1	EJN99-19	E9900412-2	MALL ED30 6/10	06/10/99	Tissue	Triplicate	Mallard	Regional	7440-43-9	ICP - AES	Cadmium	-0.0081	0.02	EDL	ug/g	Wet Wt	1				ICP_07-29-99	0729HMS	7/29/1999	7/29/1999	15:35
1999 E1	EJN99-19	E9900412-2	MALL ED30 6/10	06/10/99	Tissue	Triplicate	Mallard	Regional	7782-49-2	ICP, Hydride	Selenium	0.5	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-22-99	0722SEMW	7/23/1999	7/23/1999	11:10
1999 E1	EJN99-19	E9900412-2	MALL ED30 6/10	06/10/99	Tissue	Triplicate	Mallard	Regional		Gravimetric	Moisture Content	70	1	NA	%	NA	1								
1999 E1	EJN99-19	E9900412-3	MALL ED30 6/10	06/10/99	Tissue	Triplicate	Mallard	Regional	7440-43-9	ICP - AES	Cadmium	-0.0029	0.02	EDL	ug/g	Wet Wt	1				ICP_07-29-99	0729HMS	7/29/1999	7/29/1999	15:38
1999 E1	EJN99-19	E9900412-3	MALL ED30 6/10	06/10/99	Tissue	Triplicate	Mallard	Regional	7782-49-2	ICP, Hydride	Selenium	0.52	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-22-99	0722SEMW	7/23/1999	7/23/1999	11:13
1999 E1	EJN99-19	E9900412-3	MALL ED30 6/10	06/10/99	Tissue	Triplicate	Mallard	Regional		Gravimetric	Moisture Content	69	1	NA	%	NA	1								
1999 E1	EJN99-19	E9900413	AMCO ED32 6/10	06/10/99	Tissue	Primary	American Coot	Regional	7440-43-9	ICP - AES	Cadmium	0.0053	0.02	EDL	ug/g	Wet Wt	1				ICP_07-29-99	0729HMS	7/29/1999	7/29/1999	15:40
1999 E1	EJN99-19	E9900413	AMCO ED32 6/10	06/10/99	Tissue	Primary	American Coot	Regional	7782-49-2	ICP, Hydride	Selenium	0.59	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-22-99	0722SEMW	7/23/1999	7/23/1999	11:16
1999 E1	EJN99-19	E9900413	AMCO ED32 6/10	06/10/99	Tissue	Primary	American Coot	Regional		Gravimetric	Moisture Content	77	1	NA	%	NA	1								
1999 E1	EJN99-19	E9900414	AMCO NB32 6/11	06/11/99	Tissue	Primary	American Coot	Background	7440-43-9	ICP - AES	Cadmium	-0.018	0.02	EDL	ug/g	Wet Wt	1				ICP_07-29-99	0729HMS	7/29/1999	7/29/1999	15:42
1999 E1	EJN99-19	E9900414	AMCO NB32 6/11	06/11/99	Tissue	Primary	American Coot	Background	7782-49-2	ICP, Hydride	Selenium	0.29	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-22-99	0722SEMW	7/23/1999	7/23/1999	11:19
1999 E1	EJN99-19	E9900414	AMCO NB32 6/11	06/11/99	Tissue	Primary	American Coot	Background		Gravimetric	Moisture Content	75	1	NA	%	NA	1								
1999 E1	EJN99-19	E9900414B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	0.0092	0.02	EDL	ug/g	Wet Wt	1				ICP_07-29-99	0729HMS	7/29/1999	7/29/1999	15:46
1999 E1	EJN99-19	E9900414BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7440-43-9	ICP - AES	Cadmium	1.106	0.02	EDL	ug/g	Wet Wt	1	1.000	111		ICP_07-29-99	0729HMS	7/29/1999	7/29/1999	15:51
1999 E1	EJN99-19	E9900414CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7440-43-9	ICP - AES	Cadmium	10.92	0.02	EDL	ug/g	Wet Wt	1	1.000	1092		ICP_07-29-99	0729HMS	7/29/1999	7/29/1999	15:49
1999 E1	EJN99-19	E9900414MS	AMCO NB32 MS	NA	Tissue	MS	NA	NA	7782-49-2	ICP, Hydride	Selenium	81	NA	NA	%				81		VGICP_07-22-99	0722SEMW	7/23/1999	7/23/1999	11:21
1999 E1	EJN99-19	E9900414MS	CITE NB31 MS	NA	Tissue	MS	NA	NA	7440-43-9	ICP - AES	Cadmium	111	NA	NA	%				111		ICP_07-29-99	0729HMS	7/29/1999	7/29/1999	15:44
1999 E1	EJN99-19	E9900414SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	65.30	0.02	EDL	ug/g	Wet Wt	1	54.3	120		ICP_07-29-99	0729HMS	7/29/1999	7/29/1999	15:53
1999 E1	EJN99-19	E9900415	MALL MW56 6/10	06/10/99	Tissue	Primary	Mallard	Regional	7440-43-9	ICP - AES	Cadmium	0.01	0.02	EDL	ug/g	Wet Wt	1				ICP_07-29-99	0729HMS	7/29/1999	7/29/1999	16:00
1999 E1	EJN99-19	E9900415	MALL MW56 6/10	06/10/99	Tissue	Primary	Mallard	Regional	7782-49-2	ICP, Hydride	Selenium	0.67	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-22-99	0722SEMW	7/23/1999	7/23/1999	11:24
1999 E1	EJN99-19	E9900415	MALL MW56 6/10	06/10/99	Tissue	Primary	Mallard	Regional		Gravimetric	Moisture Content	72	1	NA	%	NA	1								
1999 E1	EJN99-19	E9900416	MALL MW57 6/10	06/10/99	Tissue	Primary	Mallard	Regional	7440-43-9	ICP - AES	Cadmium	-0.0023	0.02	EDL	ug/g	Wet Wt	1				ICP_07-29-99	0729HMS	7/29/1999	7/29/1999	16:02
1999 E1	EJN99-19	E9900416	MALL MW57 6/10	06/10/99	Tissue	Primary	Mallard	Regional	7782-49-2	ICP, Hydride	Selenium	0.64	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-22-99	0722SEMW	7/23/1999	7/23/1999	11:27
1999 E1	EJN99-19	E9900416	MALL MW57 6/10	06/10/99	Tissue	Primary	Mallard	Regional		Gravimetric	Moisture Content	70	1	NA	%	NA	1								
1999 E1	EJN99-19	E9900416B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	-0.000539	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-22-99	0722SEMW	7/23/1999	7/23/1999	11:30
1999 E1	EJN99-19	E9900416BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0467	0.005	EDL	ug/g	Wet Wt	1	0.050	93		VGICP_07-22-99	0722SEMW	7/23/1999	7/23/1999	11:36
1999 E1	EJN99-19	E9900416CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0469	0.005	EDL	ug/g	Wet Wt	1	0.050	94		VGICP_07-22-99	0722SEMW	7/23/1999	7/23/1999	11:33
1999 E1	EJN99-19	E9900416SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.424	0.005	EDL	ug/g	Wet Wt	1	0.446	95		VGICP_07-22-99	0722SEMW	7/23/1999	7/23/1999	11:38
1999 E1	EJN99-19	E9900417	TRES MW58 6/14	06/14/99	Tissue	Primary	Tree Swallow	Regional	7440-43-9	ICP - AES	Cadmium	-0.024	0.02	EDL	ug/g	Wet Wt	1				ICP_07-29-99	0729HMS	7/29/1999	7/29/1999	16:04
1999 E1	EJN99-19	E9900417	TRES MW58 6/14	06/14/99	Tissue	Primary	Tree Swallow	Regional	7782-49-2	ICP, Hydride	Selenium	0.32	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-22-99	0722SEMW	7/23/1999	7/23/1999	11:41
1999 E1	EJN99-19	E9900417	TRES MW58 6/14	06/14/99	Tissue	Primary	Tree Swallow	Regional		Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
1999 E1	EJN99-19	E9900418	MALL ML21 6/11	06/11/99	Tissue	Triplicate	Mallard	Background	7440-43-9	ICP - AES	Cadmium	-0.005	0.02	EDL	ug/g	Wet Wt	1				ICP_07-29-99	0729HMS	7/29/1999	7/29/1999	16:06
1999 E1	EJN99-19	E9900418	MALL ML21 6/11	06/11/99	Tissue	Triplicate	Mallard	Background	7782-49-2	ICP, Hydride	Selenium	0.42	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-22-99	0722SEMW	7/23/1999	7/23/1999	11:44
1999 E1	EJN99-19	E9900418	MALL ML21 6/11	06/11/99	Tissue	Triplicate	Mallard	Background		Gravimetric	Moisture Content	73	1	NA	%	NA	1								
1999 E1	EJN99-19	E9900418-2	MALL ML21 6/11	06/11/99	Tissue	Triplicate	Mallard	Background	7440-43-9	ICP - AES	Cadmium	0.0042	0.02	EDL	ug/g	Wet Wt	1				ICP_07-29-99	0729HMS	7/29/1999	7/29/1999	16:09
1999 E1	EJN99-19	E9900418-2	MALL ML21 6/11	06/11/99	Tissue	Triplicate	Mallard	Background	7782-49-2	ICP, Hydride	Selenium	0.42	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-22-99	0722SEMW	7/23/1999	7/23/1999	11:47
1999 E1	EJN99-19	E9900418-2	MALL ML21 6/11	06/11/99	Tissue	Triplicate	Mallard	Background		Gravimetric	Moisture Content	72	1	NA	%	NA	1								
1999 E1	EJN99-19	E9900418-3	MALL ML21 6/11	06/11/99	Tissue	Triplicate	Mallard	Background	7440-43-9	ICP - AES	Cadmium	0.013	0.02	EDL	ug/g	Wet Wt	1				ICP_07-29-99	0729HMS	7/29/1999	7/29/1999	16:11
1999 E1	EJN99-19	E9900418-3	MALL ML21 6/11	06/11/99	Tissue	Triplicate	Mallard	Background	7782-49-2	ICP, Hydride	Selenium	0.44	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-22-99	0722SEMW	7/23/1999	7/23/1999	11:50
1999 E1	EJN99-19	E9900418-3	MALL ML21 6/11	06/11/99	Tissue	Triplicate	Mallard	Background		Gravimetric	Moisture Content	71	1	NA	%	NA	1								
1999 E1	EJN99-19	E9900419	NOFL DG15 6/11	06/11/99	Tissue	Primary	Northern Flicker	Mine	7440-43-9	ICP - AES	Cadmium	0.0059	0.02	EDL	ug/g	Wet Wt	1				ICP_07-29-99	0729HMS	7/29/1999	7/29/1999	16:13
1999 E1	EJN99-19	E9900419	NOFL DG15 6/11	06/11/99	Tissue	Primary	Northern Flicker	Mine	7782-49-2	ICP, Hydride	Selenium	0.34	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-22-99	0722SEMW	7/23/1999	7/23/1999	11:53
1999 E1	EJN99-19	E9900419	NOFL DG15 6/11	06/11/99	Tissue	Primary	Northern Flicker	Mine		Gravimetric	Moisture Content	87	1	NA	%	NA	1								
1999 E1	EJN99-19	E9900420	EUST DG16 6/11	06/11/99	Tissue	Primary	European Starling	Mine	7440-43-9	ICP - AES	Cadmium	0.0015	0.02	EDL	ug/g	Wet Wt	1				ICP_07-29-99	0729HMS	7/29/1999	7/29/1999	15:15
1999 E1	EJN99-19	E9900420	EUST DG16 6/11	06/11/99	Tissue	Primary	European Starling	Mine	7782-49-2	ICP, Hydride	Selenium	0.72	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-22-99	0722SEMW	7/23/1999	7/23/1999	11:56
1999 E1	EJN99-19	E9900420	EUST DG16 6/11	06/11/99	Tissue	Primary	European Starling	Mine		Gravimetric	Moisture Content	82	1	NA	%	NA	1								
1999 E1	EJN99-19	E9900421	TRES DG17 6/11	06/11/99	Tissue	Primary	Tree Swallow	Regional	7440-43-9	ICP - AES	Cadmium	0.021	0.02	EDL	ug/g	Wet Wt	1				ICP_07-29-99	0729HMS	7/29/1999	7/29/1999	16:18
1999 E1	EJN99-19	E9900421	TRES DG17 6/11	06/11/99	Tissue	Primary	Tree Swallow	Regional	7782-49-2	ICP, Hydride	Selenium	0.88	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-22-99	0722SEMW	7/23/1999	7/23/1999	11:59
1999 E1	EJN99-19	E9900421	TRES DG17 6/11	06/11/99	Tissue	Primary	Tree Swallow	Regional		Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
1999 E1	EJN99-19	E9900422	MOBL DG18 6/11	06/11/99	Tissue	Primary	Mountain Bluebird	Regional	7440-43-9	ICP - AES	Cadmium	0.0032	0.02	EDL	ug/g	Wet Wt	1				ICP_07-29-99	0729HMS	7/29/1999	7/29/1999	16:20
1999 E1	EJN99-19	E9900422	MOBL DG18 6/11	06/11/99	Tissue	Primary	Mountain Bluebird	Regional	7782-49-2	ICP, Hydride	Selenium	0.73	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-22-99	0722SEMW	7/23/1999	7/23/1999	12:01
1999 E1	EJN99-19	E9900422	MOBL DG18 6/11	06/11/99	Tissue	Primary	Mountain Bluebird	Regional		Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
1999 E1	EJN99-19	E9900422B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	-0.0078	0.02	EDL	ug/g	Wet Wt	1				ICP_07-29-99	0729HMS	7/29/1999	7/29/1999	16:22
1999 E1	EJN99-19	E9900422B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	-0.000424	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-22-99	0722SEMW	7/23/1999	7/23/1999	12:04

Event	UIASL Case #	UIASL Sample ID	Field Sample ID	Collection Date	Matrix	QC Type	Common Name	Spatial Relevance	CAS #	Method	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% Rec	QC Flag	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
1999 E1	EJN99-19	E9900422BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7440-43-9	ICP - AES	Cadmium	1.082	0.02	EDL	ug/g	Wet Wt	1	1.000	108		ICP_07-29-99	0729HMS	7/29/1999	7/29/1999	16:26
1999 E1	EJN99-19	E9900422CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7440-43-9	ICP - AES	Cadmium	10.96	0.02	EDL	ug/g	Wet Wt	1	1.000	1096		ICP_07-29-99	0729HMS	7/29/1999	7/29/1999	16:24
1999 E1	EJN99-19	E9900422CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0443	0.005	EDL	ug/g	Wet Wt	1	0.050	89		VGICP_07-22-99	0722SEMW	7/23/1999	7/23/1999	12:07
1999 E1	EJN99-19	E9900422S1	TORT-2	NA	Tissue	SRM	NA	NA	7440-43-9	ICP - AES	Cadmium	31.75	0.02	EDL	ug/g	Wet Wt	1	26.7	119		ICP_07-29-99	0729HMS	7/29/1999	7/29/1999	16:31
1999 E1	EJN99-19	E9900422SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	60.65	0.02	EDL	ug/g	Wet Wt	1	54.3	112		ICP_07-29-99	0729HMS	7/29/1999	7/29/1999	16:29
1999 E1	EJN99-19	E9900422SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.426	0.005	EDL	ug/g	Wet Wt	1	0.446	96		VGICP_07-22-99	0722SEMW	7/23/1999	7/23/1999	12:10
1999 E1	EJY99-01	E9900423	TRES ML24 6/14	06/14/99	Tissue	Primary	Tree Swallow	Regional	7440-43-9	ICP - AES	Cadmium	-0.16	0.02	EDL	ug/g	Wet Wt	1				ICP_08-04-99	0730BHMS	7/30/1999	8/4/1999	17:25
1999 E1	EJY99-01	E9900423	TRES ML24 6/14	06/14/99	Tissue	Primary	Tree Swallow	Regional	7782-49-2	ICP, Hydride	Selenium	0.49	0.005	EDL	ug/g	Wet Wt	1				VGICP_08-18-99	0812SEMW	8/18/2009	8/12/2009	14:05
1999 E1	EJY99-01	E9900423	TRES ML24 6/14	06/14/99	Tissue	Primary	Tree Swallow	Regional		Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
1999 E1	EJY99-01	E9900423CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.495	0.005	EDL	ug/g	Wet Wt	1	0.050	990		VGICP_08-18-99	0812SEMW	8/18/2009	8/12/2009	13:59
1999 E1	EJY99-01	E9900424	LBCU ML25 6/14	06/14/99	Tissue	Triplicate	Long Billed Curlew	Regional	7440-43-9	ICP - AES	Cadmium	-0.0067	0.02	EDL	ug/g	Wet Wt	1				ICP_08-04-99	0730HMS	7/30/1999	8/4/1999	12:21
1999 E1	EJY99-01	E9900424	LBCU ML25 6/14	06/14/99	Tissue	Triplicate	Long Billed Curlew	Regional	7782-49-2	ICP, Hydride	Selenium	0.26	0.005	EDL	ug/g	Wet Wt	1				VGICP_08-18-99	0812SEMW	8/18/2009	8/12/2009	14:08
1999 E1	EJY99-01	E9900424	LBCU ML25 6/14	06/14/99	Tissue	Triplicate	Long Billed Curlew	Regional		Gravimetric	Moisture Content	77	1	NA	%	NA	1								
1999 E1	EJY99-01	E9900424-2	LBCU ML25 6/14	06/14/99	Tissue	Triplicate	Long Billed Curlew	Regional	7440-43-9	ICP - AES	Cadmium	-0.0028	0.02	EDL	ug/g	Wet Wt	1				ICP_08-04-99	0730HMS	7/30/1999	8/4/1999	12:23
1999 E1	EJY99-01	E9900424-2	LBCU ML25 6/14	06/14/99	Tissue	Triplicate	Long Billed Curlew	Regional	7782-49-2	ICP, Hydride	Selenium	0.27	0.005	EDL	ug/g	Wet Wt	1				VGICP_08-18-99	0812SEMW	8/18/2009	8/12/2009	14:11
1999 E1	EJY99-01	E9900424-2	LBCU ML25 6/14	06/14/99	Tissue	Triplicate	Long Billed Curlew	Regional		Gravimetric	Moisture Content	77	1	NA	%	NA	1								
1999 E1	EJY99-01	E9900424-3	LBCU ML25 6/14	06/14/99	Tissue	Triplicate	Long Billed Curlew	Regional	7440-43-9	ICP - AES	Cadmium	-0.0086	0.02	EDL	ug/g	Wet Wt	1				ICP_08-04-99	0730HMS	7/30/1999	8/4/1999	12:25
1999 E1	EJY99-01	E9900424-3	LBCU ML25 6/14	06/14/99	Tissue	Triplicate	Long Billed Curlew	Regional	7782-49-2	ICP, Hydride	Selenium	0.26	0.005	EDL	ug/g	Wet Wt	1				VGICP_08-18-99	0812SEMW	8/18/2009	8/12/2009	14:13
1999 E1	EJY99-01	E9900424-3	LBCU ML25 6/14	06/14/99	Tissue	Triplicate	Long Billed Curlew	Regional		Gravimetric	Moisture Content	75	1	NA	%	NA	1								
1999 E1	EJY99-01	E9900424B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	0.0080	0.02	EDL	ug/g	Wet Wt	1				ICP_08-04-99	0730HMS	7/30/1999	8/4/1999	12:15
1999 E1	EJY99-01	E9900424C1	Check Standard	NA	Lab QC	ICV	NA	NA	7440-43-9	ICP - AES	Cadmium	1.000	0.02	EDL	ug/g	Wet Wt	1	1.000	100		ICP_08-04-99	0730HMS	7/30/1999	8/4/1999	12:06
1999 E1	EJY99-01	E9900424C2	Check Standard	NA	Lab QC	ICV	NA	NA	7440-43-9	ICP - AES	Cadmium	5.000	0.02	EDL	ug/g	Wet Wt	1	5.000	100		ICP_08-04-99	0730HMS	7/30/1999	8/4/1999	12:09
1999 E1	EJY99-01	E9900424SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	57.35	0.02	EDL	ug/g	Wet Wt	1	54.3	106		ICP_08-04-99	0730HMS	7/30/1999	8/4/1999	12:17
1999 E1	EJY99-01	E9900425	CLSW ML26 6/15	06/15/99	Tissue	Primary	Cliff Swallow	Regional	7440-43-9	ICP - AES	Cadmium	-0.18	0.02	EDL	ug/g	Wet Wt	1				ICP_08-04-99	0730HMS	7/30/1999	8/4/1999	12:27
1999 E1	EJY99-01	E9900425	CLSW ML26 6/15	06/15/99	Tissue	Primary	Cliff Swallow	Regional	7782-49-2	ICP, Hydride	Selenium	0.83	0.005	EDL	ug/g	Wet Wt	1				VGICP_08-18-99	0812SEMW	8/18/2009	8/12/2009	14:16
1999 E1	EJY99-01	E9900425	CLSW ML26 6/15	06/15/99	Tissue	Primary	Cliff Swallow	Regional		Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
1999 E1	EJY99-01	E9900426	SOSP ML27 6/16	06/16/99	Tissue	Primary	Song Sparrow	Regional	7440-43-9	ICP - AES	Cadmium	-0.17	0.02	EDL	ug/g	Wet Wt	1				ICP_08-04-99	0730HMS	7/30/1999	8/4/1999	12:29
1999 E1	EJY99-01	E9900426	SOSP ML27 6/16	06/16/99	Tissue	Primary	Song Sparrow	Regional	7782-49-2	ICP, Hydride	Selenium	1	0.005	EDL	ug/g	Wet Wt	1				VGICP_08-18-99	0812SEMW	8/18/2009	8/12/2009	14:19
1999 E1	EJY99-01	E9900426	SOSP ML27 6/16	06/16/99	Tissue	Primary	Song Sparrow	Regional		Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
1999 E1	EJY99-01	E9900427	AMRO ML13 6/18	06/18/99	Tissue	Primary	American Robin	Regional	7440-43-9	ICP - AES	Cadmium	-0.055	0.02	EDL	ug/g	Wet Wt	1				ICP_08-04-99	0730HMS	7/30/1999	8/4/1999	12:32
1999 E1	EJY99-01	E9900427	AMRO ML13 6/18	06/18/99	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.36	0.005	EDL	ug/g	Wet Wt	1				VGICP_08-18-99	0812SEMW	8/18/2009	8/12/2009	14:22
1999 E1	EJY99-01	E9900427	AMRO ML13 6/18	06/18/99	Tissue	Primary	American Robin	Regional		Gravimetric	Moisture Content	83	1	NA	%	NA	1								
1999 E1	EJY99-01	E9900428	MOBL NB34 6/14	06/14/99	Tissue	Primary	Mountain Bluebird	Regional	7440-43-9	ICP - AES	Cadmium	-0.17	0.02	EDL	ug/g	Wet Wt	1				ICP_08-04-99	0730HMS	7/30/1999	8/4/1999	12:34
1999 E1	EJY99-01	E9900428	MOBL NB34 6/14	06/14/99	Tissue	Primary	Mountain Bluebird	Regional	7782-49-2	ICP, Hydride	Selenium	0.44	0.005	EDL	ug/g	Wet Wt	1				VGICP_08-18-99	0812SEMW	8/18/2009	8/12/2009	14:25
1999 E1	EJY99-01	E9900428	MOBL NB34 6/14	06/14/99	Tissue	Primary	Mountain Bluebird	Regional		Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
1999 E1	EJY99-01	E9900429	RWBL NB35 6/15	06/15/99	Tissue	Primary	Red-Winged Blackbir	Regional	7440-43-9	ICP - AES	Cadmium	-0.081	0.02	EDL	ug/g	Wet Wt	1				ICP_08-04-99	0730HMS	7/30/1999	8/4/1999	12:36
1999 E1	EJY99-01	E9900429	RWBL NB35 6/15	06/15/99	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	2.9	0.005	EDL	ug/g	Wet Wt	1				VGICP_08-18-99	0812SEMW	8/18/2009	8/12/2009	14:28
1999 E1	EJY99-01	E9900429	RWBL NB35 6/15	06/15/99	Tissue	Primary	Red-Winged Blackbir	Regional		Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
1999 E1	EJY99-01	E9900430	RWBL NB36 6/15	06/15/99	Tissue	Primary	Red-Winged Blackbir	Regional	7440-43-9	ICP - AES	Cadmium	-0.06	0.02	EDL	ug/g	Wet Wt	1				ICP_08-04-99	0730HMS	7/30/1999	8/4/1999	12:38
1999 E1	EJY99-01	E9900430	RWBL NB36 6/15	06/15/99	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	3.2	0.005	EDL	ug/g	Wet Wt	1				VGICP_08-18-99	0812SEMW	8/18/2009	8/12/2009	14:31
1999 E1	EJY99-01	E9900430	RWBL NB36 6/15	06/15/99	Tissue	Primary	Red-Winged Blackbir	Regional		Gravimetric	Moisture Content	85	1	NA	%	NA	1								
1999 E1	EJY99-01	E9900430B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	-0.000467	0.005	EDL	ug/g	Wet Wt	1				VGICP_08-18-99	0812SEMW	8/18/2009	8/12/2009	14:33
1999 E1	EJY99-01	E9900430BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0495	0.005	EDL	ug/g	Wet Wt	1	0.050	99		VGICP_08-18-99	0812SEMW	8/18/2009	8/12/2009	14:39
1999 E1	EJY99-01	E9900430CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0501	0.005	EDL	ug/g	Wet Wt	1	0.050	100		VGICP_08-18-99	0812SEMW	8/18/2009	8/12/2009	14:36
1999 E1	EJY99-01	E9900430SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.370	0.005	EDL	ug/g	Wet Wt	1	0.446	83		VGICP_08-18-99	0812SEMW	8/18/2009	8/12/2009	14:42
1999 E1	EJY99-01	E9900431	SOSP NB37 6/16	06/16/99	Tissue	Primary	Song Sparrow	Regional	7440-43-9	ICP - AES	Cadmium	-0.15	0.02	EDL	ug/g	Wet Wt	1				ICP_08-04-99	0730HMS	7/30/1999	8/4/1999	12:40
1999 E1	EJY99-01	E9900431	SOSP NB37 6/16	06/16/99	Tissue	Primary	Song Sparrow	Regional	7782-49-2	ICP, Hydride	Selenium	1	0.005	EDL	ug/g	Wet Wt	1				VGICP_08-18-99	0812SEMW	8/18/2009	8/12/2009	14:45
1999 E1	EJY99-01	E9900431	SOSP NB37 6/16	06/16/99	Tissue	Primary	Song Sparrow	Regional		Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
1999 E1	EJY99-01	E9900432	SOSP NB38 6/18	06/18/99	Tissue	Primary	Song Sparrow	Regional	7440-43-9	ICP - AES	Cadmium	-0.14	0.02	EDL	ug/g	Wet Wt	1				ICP_08-04-99	0730HMS	7/30/1999	8/4/1999	12:43
1999 E1	EJY99-01	E9900432	SOSP NB38 6/18	06/18/99	Tissue	Primary	Song Sparrow	Regional	7782-49-2	ICP, Hydride	Selenium	0.57	0.005	EDL	ug/g	Wet Wt	1				VGICP_08-18-99	0812SEMW	8/18/2009	8/12/2009	14:48
1999 E1	EJY99-01	E9900432	SOSP NB38 6/18	06/18/99	Tissue	Primary	Song Sparrow	Regional		Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
1999 E1	EJY99-01	E9900433	BHCO NB40 6/25	06/25/99	Tissue	Primary	Brown-Headed Cowbi	Regional	7440-43-9	ICP - AES	Cadmium	-0.042	0.02	EDL	ug/g	Wet Wt	1				ICP_08-04-99	0730HMS	7/30/1999	8/4/1999	12:45
1999 E1	EJY99-01	E9900433	BHCO NB40 6/25	06/25/99	Tissue	Primary	Brown-Headed Cowbi	Regional	7782-49-2	ICP, Hydride	Selenium	0.3	0.005	EDL	ug/g	Wet Wt	1				VGICP_08-18-99	0812SEMW	8/18/2009	8/12/2009	14:51
1999 E1	EJY99-01	E9900433	BHCO NB40 6/25	06/25/99	Tissue	Primary	Brown-Headed Cowbi	Regional		Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
1999 E1	EJY99-01	E9900433SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	60.22	0.02	EDL	ug/g	Wet Wt	1	54.3	111		ICP_08-04-99	0730HMS	7/30/1999	8/4/1999	12:55
1999 E1	EJY99-01	E9900434	CLSW MW59 6/15	06/15/99	Tissue	Primary	Cliff Swallow	Regional	7440-43-9	ICP - AES	Cadmium	-0.65	0.02	EDL	ug/g	Wet Wt	1				ICP_08-04-99	0730BHMS	7/30/1999	8/4/1999	17:33
1999 E1	EJY99-01	E9900434	CLSW MW59 6/15	06/15/99	Tissue	Primary	Cliff Swallow	Regional	7782-49-2	ICP, Hydride	Selenium	1.5	0.005	EDL	ug/g	Wet Wt	1				VGICP_08-18-99	0812SEMW	8/18/2009	8/12/2009	14:53
1999 E1	EJY99-01	E9900434	CLSW MW59 6/15	06/15/99	Tissue	Primary	Cliff Swallow	Regional		Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
1999 E1	EJY99-01	E9900435	AMRO MW60 6/16	06/16/99	Tissue	Primary	American Robin	Regional	7440-43-9	ICP - AES	Cadmium	-0.037	0.02	EDL	ug/g	Wet Wt	1				ICP_08-04-99	0730HMS	7/30/1999	8/4/1999	12:59
1999 E1	EJY99-01	E9900435	AMRO MW60 6/16	06/16/99	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.69	0.005	EDL	ug/g	Wet Wt	1				VGICP_08-18-99	0812SEMW	8/18/2009	8/12/2009	14:56
1999 E1	EJY99-01	E9900435	AMRO MW60 6/16	06/16/99	Tissue	Primary	American Robin	Regional		Gravimetric	Moisture Content	82	1	NA	%	NA	1								
1999 E1	EJY99-01	E9900436	RWBL DG19 6/15	06/15/99	Tissue	Primary	Red-Winged Blackbir	Regional	7440-43-9	ICP - AES	Cadmium	-0.043	0.02	EDL	ug/g	Wet Wt	1				ICP_08-04-99	0730HMS	7/30/1999	8/4/1999	13:01
1999 E1	EJY99-01	E9900436	RWBL DG19 6/15	06/15/99	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	3.4	0.005	EDL	ug/g	Wet Wt	1				VGICP_08-18-99	0812SEMW	8/18/2009	8/12/2009	14:59
1999 E1	EJY99-01	E9900436	RWBL DG19 6/15	06/15/99	Tissue	Primary	Red-Winged Blackbir	Regional		Gravimetric	Moisture Content	84	1	NA	%	NA	1								
1999 E1	EJY99-01	E9900437	COSN DG20 6/15	06/15/99	Tissue	Primary	Common Snipe	Regional	7440-43-9	ICP - AES	Cadmium	-0.026	0.02	EDL	ug/g	Wet Wt	1				ICP_08-04-99	0730HMS	7/30/1999	8/4/1999	13:03

Event	UIASL Case #	UIASL Sample ID	Field Sample ID	Collection Date	Matrix	QC Type	Common Name	Spatial Relevance	CAS #	Method	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% Rec	QC Flag	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
1999 E1	EJY99-01	E9900437	COSN DG20 6/15	06/15/99	Tissue	Primary	Common Snipe	Regional	7782-49-2	ICP, Hydride	Selenium	4.5	0.005	EDL	ug/g	Wet Wt	1				VGICP_08-18-99	0812SEMW	8/18/2009	8/12/2009	15:02
1999 E1	EJY99-01	E9900437	COSN DG20 6/15	06/15/99	Tissue	Primary	Common Snipe	Regional		Gravimetric	Moisture Content	76	1	NA	%	NA	1								
1999 E1	EJY99-01	E9900437MS	COSN DG20 MS	NA	Tissue	MS	NA	NA	7440-43-9	ICP - AES	Cadmium	116	NA	NA	%				116		ICP_08-04-99	0730HMS	7/30/1999	8/4/1999	13:05
1999 E1	EJY99-01	E9900437MS	COSN DG20 MS	NA	Tissue	MS	NA	NA	7782-49-2	ICP, Hydride	Selenium	110	NA	NA	%				110		VGICP_08-18-99	0812SEMW	8/18/2009	8/12/2009	15:05
1999 E1	EJY99-01	E9900438	BHCO DG21 6/18	06/18/99	Tissue	Primary	rown-Headed Cowbi	Regional	7440-43-9	ICP - AES	Cadmium	-0.062	0.02	EDL	ug/g	Wet Wt	1				ICP_08-04-99	0730BHMS	7/30/1999	8/4/1999	17:36
1999 E1	EJY99-01	E9900438	BHCO DG21 6/18	06/18/99	Tissue	Primary	rown-Headed Cowbi	Regional	7782-49-2	ICP, Hydride	Selenium	0.27	0.005	EDL	ug/g	Wet Wt	1				VGICP_08-18-99	0812SEMW	8/18/2009	8/12/2009	15:08
1999 E1	EJY99-01	E9900438	BHCO DG21 6/18	06/18/99	Tissue	Primary	rown-Headed Cowbi	Regional		Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
1999 E1	EJY99-01	E9900439	MAWR DG22 6/19	06/19/99	Tissue	Primary	Marsh Wren	Background	7440-43-9	ICP - AES	Cadmium	-0.41	0.02	EDL	ug/g	Wet Wt	1				ICP_08-04-99	0730HMS	7/30/1999	8/4/1999	13:10
1999 E1	EJY99-01	E9900439	MAWR DG22 6/19	06/19/99	Tissue	Primary	Marsh Wren	Background	7782-49-2	ICP, Hydride	Selenium	0.73	0.005	EDL	ug/g	Wet Wt	1				VGICP_08-18-99	0812SEMW	8/18/2009	8/12/2009	15:11
1999 E1	EJY99-01	E9900439	MAWR DG22 6/19	06/19/99	Tissue	Primary	Marsh Wren	Background		Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
1999 E1	EJY99-01	E9900440	BHCO DG23 6/19	06/19/99	Tissue	Primary	rown-Headed Cowbi	Mine	7440-43-9	ICP - AES	Cadmium	-0.062	0.02	EDL	ug/g	Wet Wt	1				ICP_08-04-99	0730HMS	7/30/1999	8/4/1999	13:12
1999 E1	EJY99-01	E9900440	BHCO DG23 6/19	06/19/99	Tissue	Primary	rown-Headed Cowbi	Mine	7782-49-2	ICP, Hydride	Selenium	0.17	0.005	EDL	ug/g	Wet Wt	1				VGICP_08-18-99	0812SEMW	8/18/2009	8/12/2009	15:13
1999 E1	EJY99-01	E9900440	BHCO DG23 6/19	06/19/99	Tissue	Primary	rown-Headed Cowbi	Mine		Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
1999 E1	EJY99-01	E9900441	MAWR DG24 6/19	06/19/99	Tissue	Primary	Marsh Wren	Mine	7440-43-9	ICP - AES	Cadmium	-0.47	0.02	EDL	ug/g	Wet Wt	1				ICP_08-04-99	0730HMS	7/30/1999	8/4/1999	13:14
1999 E1	EJY99-01	E9900441	MAWR DG24 6/19	06/19/99	Tissue	Primary	Marsh Wren	Mine	7782-49-2	ICP, Hydride	Selenium	0.96	0.005	EDL	ug/g	Wet Wt	1				VGICP_08-18-99	0812SEMW	8/18/2009	8/12/2009	15:16
1999 E1	EJY99-01	E9900441	MAWR DG24 6/19	06/19/99	Tissue	Primary	Marsh Wren	Mine		Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
1999 E1	EJY99-01	E9900442	MALL DG25 6/20	06/20/99	Tissue	Triplicate	Mallard	Mine	7440-43-9	ICP - AES	Cadmium	-0.03	0.02	EDL	ug/g	Wet Wt	1				ICP_08-04-99	0730HMS	7/30/1999	8/4/1999	13:16
1999 E1	EJY99-01	E9900442	MALL DG25 6/20	06/20/99	Tissue	Triplicate	Mallard	Mine	7782-49-2	ICP, Hydride	Selenium	1.2	0.005	EDL	ug/g	Wet Wt	1				VGICP_08-18-99	0812SEMW	8/18/2009	8/12/2009	15:19
1999 E1	EJY99-01	E9900442	MALL DG25 6/20	06/20/99	Tissue	Triplicate	Mallard	Mine		Gravimetric	Moisture Content	72	1	NA	%	NA	1								
1999 E1	EJY99-01	E9900442-2	MALL DG25 6/20	06/20/99	Tissue	Triplicate	Mallard	Mine	7440-43-9	ICP - AES	Cadmium	-0.039	0.02	EDL	ug/g	Wet Wt	1				ICP_08-04-99	0730HMS	7/30/1999	8/4/1999	13:18
1999 E1	EJY99-01	E9900442-2	MALL DG25 6/20	06/20/99	Tissue	Triplicate	Mallard	Mine	7782-49-2	ICP, Hydride	Selenium	1.2	0.005	EDL	ug/g	Wet Wt	1				VGICP_08-18-99	0812SEMW	8/18/2009	8/12/2009	15:22
1999 E1	EJY99-01	E9900442-2	MALL DG25 6/20	06/20/99	Tissue	Triplicate	Mallard	Mine		Gravimetric	Moisture Content	69	1	NA	%	NA	1								
1999 E1	EJY99-01	E9900442-3	MALL DG25 6/20	06/20/99	Tissue	Triplicate	Mallard	Mine	7440-43-9	ICP - AES	Cadmium	-0.055	0.02	EDL	ug/g	Wet Wt	1				ICP_08-04-99	0730BHMS	7/30/1999	8/4/1999	17:38
1999 E1	EJY99-01	E9900442-3	MALL DG25 6/20	06/20/99	Tissue	Triplicate	Mallard	Mine	7782-49-2	ICP, Hydride	Selenium	1.1	0.005	EDL	ug/g	Wet Wt	1				VGICP_08-18-99	0812SEMW	8/18/2009	8/12/2009	15:25
1999 E1	EJY99-01	E9900442-3	MALL DG25 6/20	06/20/99	Tissue	Triplicate	Mallard	Mine		Gravimetric	Moisture Content	71	1	NA	%	NA	1								
1999 E1	EJY99-01	E9900442B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	-0.0353	0.02	EDL	ug/g	Wet Wt	1				ICP_08-04-99	0730HMS	7/30/1999	8/4/1999	13:24
1999 E1	EJY99-01	E9900442B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	-0.00101	0.005	EDL	ug/g	Wet Wt	1				VGICP_08-18-99	0812SEMW	8/18/2009	8/12/2009	15:28
1999 E1	EJY99-01	E9900442BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7440-43-9	ICP - AES	Cadmium	1.052	0.02	EDL	ug/g	Wet Wt	1	1.000	105		ICP_08-04-99	0730HMS	7/30/1999	8/4/1999	13:28
1999 E1	EJY99-01	E9900442BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0499	0.005	EDL	ug/g	Wet Wt	1	0.050	100		VGICP_08-18-99	0812SEMW	8/18/2009	8/12/2009	15:33
1999 E1	EJY99-01	E9900442CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7440-43-9	ICP - AES	Cadmium	10.51	0.02	EDL	ug/g	Wet Wt	1	1.000	1051		ICP_08-04-99	0730HMS	7/30/1999	8/4/1999	13:26
1999 E1	EJY99-01	E9900442CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0496	0.005	EDL	ug/g	Wet Wt	1	0.050	99		VGICP_08-18-99	0812SEMW	8/18/2009	8/12/2009	15:30
1999 E1	EJY99-01	E9900442SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	59.26	0.02	EDL	ug/g	Wet Wt	1	54.3	109		ICP_08-04-99	0730HMS	7/30/1999	8/4/1999	13:30
1999 E1	EJY99-01	E9900442SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.337	0.005	EDL	ug/g	Wet Wt	1	0.446	76		VGICP_08-18-99	0812SEMW	8/18/2009	8/12/2009	15:38
1999 E1	EJY99-01	E9900443	CITE DG26 6/20	06/20/99	Tissue	Triplicate	Cinnamon Teal	Mine	7440-43-9	ICP - AES	Cadmium	-0.056	0.02	EDL	ug/g	Wet Wt	1				ICP_08-04-99	0730BHMS	7/30/1999	8/4/1999	17:41
1999 E1	EJY99-01	E9900443	CITE DG26 6/20	06/20/99	Tissue	Triplicate	Cinnamon Teal	Mine	7782-49-2	ICP, Hydride	Selenium	1.3	0.005	EDL	ug/g	Wet Wt	1				VGICP_08-19-99	0813SEMW	8/18/2009	8/19/2009	9:00
1999 E1	EJY99-01	E9900443	CITE DG26 6/20	06/20/99	Tissue	Triplicate	Cinnamon Teal	Mine		Gravimetric	Moisture Content	69	1	NA	%	NA	1								
1999 E1	EJY99-01	E9900443-2	CITE DG26 6/20	06/20/99	Tissue	Triplicate	Cinnamon Teal	Mine	7440-43-9	ICP - AES	Cadmium	-0.019	0.02	EDL	ug/g	Wet Wt	1				ICP_08-04-99	0730HMS	7/30/1999	8/4/1999	13:35
1999 E1	EJY99-01	E9900443-2	CITE DG26 6/20	06/20/99	Tissue	Triplicate	Cinnamon Teal	Mine	7782-49-2	ICP, Hydride	Selenium	1.3	0.005	EDL	ug/g	Wet Wt	1				VGICP_08-19-99	0813SEMW	8/18/2009	8/19/2009	9:03
1999 E1	EJY99-01	E9900443-2	CITE DG26 6/20	06/20/99	Tissue	Triplicate	Cinnamon Teal	Mine		Gravimetric	Moisture Content	67	1	NA	%	NA	1								
1999 E1	EJY99-01	E9900443-3	CITE DG26 6/20	06/20/99	Tissue	Triplicate	Cinnamon Teal	Mine	7440-43-9	ICP - AES	Cadmium	-0.024	0.02	EDL	ug/g	Wet Wt	1				ICP_08-04-99	0730HMS	7/30/1999	8/4/1999	13:37
1999 E1	EJY99-01	E9900443-3	CITE DG26 6/20	06/20/99	Tissue	Triplicate	Cinnamon Teal	Mine	7782-49-2	ICP, Hydride	Selenium	1.3	0.005	EDL	ug/g	Wet Wt	1				VGICP_08-19-99	0813SEMW	8/18/2009	8/19/2009	9:06
1999 E1	EJY99-01	E9900443-3	CITE DG26 6/20	06/20/99	Tissue	Triplicate	Cinnamon Teal	Mine		Gravimetric	Moisture Content	71	1	NA	%	NA	1								
1999 E1	EJY99-01	E9900443CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.501	0.005	EDL	ug/g	Wet Wt	1	0.050	1002		VGICP_08-19-99	0813SEMW	8/18/2009	8/19/2009	8:54
1999 E1	EJY99-01	E9900443SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.456	0.005	EDL	ug/g	Wet Wt	1	0.446	102		VGICP_08-19-99	0813SEMW	8/18/2009	8/19/2009	8:57
1999 E1	EJY99-01	E9900444	EUST DG27 6/20	06/20/99	Tissue	Primary	European Starling	Mine	7440-43-9	ICP - AES	Cadmium	-0.039	0.02	EDL	ug/g	Wet Wt	1				ICP_08-04-99	0730HMS	7/30/1999	8/4/1999	13:39
1999 E1	EJY99-01	E9900444	EUST DG27 6/20	06/20/99	Tissue	Primary	European Starling	Mine	7782-49-2	ICP, Hydride	Selenium	3.1	0.005	EDL	ug/g	Wet Wt	1				VGICP_08-19-99	0813SEMW	8/18/2009	8/19/2009	9:09
1999 E1	EJY99-01	E9900444	EUST DG27 6/20	06/20/99	Tissue	Primary	European Starling	Mine		Gravimetric	Moisture Content	81	1	NA	%	NA	1								
1999 E1	EJY99-01	E9900445	CLSW DG28 6/29	06/29/99	Tissue	Primary	Cliff Swallow	Regional	7440-43-9	ICP - AES	Cadmium	-0.13	0.02	EDL	ug/g	Wet Wt	1				ICP_08-04-99	0730HMS	7/30/1999	8/4/1999	13:41
1999 E1	EJY99-01	E9900445	CLSW DG28 6/29	06/29/99	Tissue	Primary	Cliff Swallow	Regional	7782-49-2	ICP, Hydride	Selenium	0.43	0.005	EDL	ug/g	Wet Wt	1				VGICP_08-19-99	0813SEMW	8/18/2009	8/19/2009	9:12
1999 E1	EJY99-01	E9900445	CLSW DG28 6/29	06/29/99	Tissue	Primary	Cliff Swallow	Regional		Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
1999 E1	EJY99-01	E9900446	COSN NB39 6/23	06/23/98	Tissue	Primary	Common Snipe	Regional	7440-43-9	ICP - AES	Cadmium	-0.054	0.02	EDL	ug/g	Wet Wt	1				ICP_08-04-99	0730HMS	7/30/1999	8/4/1999	13:43
1999 E1	EJY99-01	E9900446	COSN NB39 6/23	06/23/98	Tissue	Primary	Common Snipe	Regional	7782-49-2	ICP, Hydride	Selenium	2.5	0.005	EDL	ug/g	Wet Wt	1				VGICP_08-19-99	0813SEMW	8/18/2009	8/19/2009	9:15
1999 E1	EJY99-01	E9900446	COSN NB39 6/23	06/23/98	Tissue	Primary	Common Snipe	Regional		Gravimetric	Moisture Content	75	1	NA	%	NA	1								
1999 E1	EJY99-01	E9900447	SOSP NB41 6/29	06/29/99	Tissue	Primary	Song Sparrow	Regional	7440-43-9	ICP - AES	Cadmium	-0.41	0.02	EDL	ug/g	Wet Wt	1				ICP_08-04-99	0730HMS	7/30/1999	8/4/1999	13:45
1999 E1	EJY99-01	E9900447	SOSP NB41 6/29	06/29/99	Tissue	Primary	Song Sparrow	Regional	7782-49-2	ICP, Hydride	Selenium	0.79	0.005	EDL	ug/g	Wet Wt	1				VGICP_08-19-99	0813SEMW	8/18/2009	8/19/2009	9:18
1999 E1	EJY99-01	E9900447	SOSP NB41 6/29	06/29/99	Tissue	Primary	Song Sparrow	Regional		Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
1999 E1	EJY99-01	E9900448	BHCO NB42 6/29	06/29/99	Tissue	Primary	rown-Headed Cowbi	Regional	7440-43-9	ICP - AES	Cadmium	-0.081	0.02	EDL	ug/g	Wet Wt	1				ICP_08-04-99	0730HMS	7/30/1999	8/4/1999	13:47
1999 E1	EJY99-01	E9900448	BHCO NB42 6/29	06/29/99	Tissue	Primary	rown-Headed Cowbi	Regional	7782-49-2	ICP, Hydride	Selenium	0.47	0.005	EDL	ug/g	Wet Wt	1				VGICP_08-19-99	0813SEMW	8/18/2009	8/19/2009	9:21
1999 E1	EJY99-01	E9900448	BHCO NB42 6/29	06/29/99	Tissue	Primary	rown-Headed Cowbi	Regional		Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
1999 E1	EJY99-01	E9900449	RWBL ML28 6/23	06/23/98	Tissue	Primary	Red-Winged Blackbir	Regional	7440-43-9	ICP - AES	Cadmium	-0.051	0.02	EDL	ug/g	Wet Wt	1				ICP_08-04-99	0730HMS	7/30/1999	8/4/1999	13:49
1999 E1	EJY99-01	E9900449	RWBL ML28 6/23	06/23/98	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	1	0.005	EDL	ug/g	Wet Wt	1				VGICP_08-19-99	0813SEMW	8/18/2009	8/19/2009	9:24
1999 E1	EJY99-01	E9900449	RWBL ML28 6/23	06/23/98	Tissue	Primary	Red-Winged Blackbir	Regional		Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
1999 E1	EJY99-01	E9900450	COSN ML29 6/23	06/23/98	Tissue	Primary	Common Snipe	Regional	7440-43-9	ICP - AES	Cadmium	-0.038	0.02	EDL	ug/g	Wet Wt	1				ICP_08-04-99	0730HMS	7/30/1999	8/4/1999	13:52
1999 E1	EJY99-01	E9900450	COSN ML29 6/23	06/23/98	Tissue	Primary	Common Snipe	Regional	7782-49-2	ICP, Hydride	Selenium	1.3	0.005	EDL	ug/g	Wet Wt	1				VGICP_08-19-99	0813SEMW	8/18/2009	8/19/2009	9:26
1999 E1	EJY99-01	E9900450	COSN ML29 6/23	06/23/98	Tissue	Primary	Common Snipe	Regional		Gravimetric	Moisture Content	75	1	NA	%	NA	1								

Event	UIASL Case #	UIASL Sample ID	Field Sample ID	Collection Date	Matrix	QC Type	Common Name	Spatial Relevance	CAS #	Method	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% Rec	QC Flag	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
1999 E1	EJY99-01	E9900450B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	-0.0249	0.02	EDL	ug/g	Wet Wt	1				ICP_08-04-99	0730HMS	7/30/1999	8/4/1999	14:00
1999 E1	EJY99-01	E9900450B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	-0.000336	0.005	EDL	ug/g	Wet Wt	1				VGICP_08-19-99	0813SEMW	8/18/2009	8/19/2009	9:32
1999 E1	EJY99-01	E9900450BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7440-43-9	ICP - AES	Cadmium	1.068	0.02	EDL	ug/g	Wet Wt	1	1.000	107		ICP_08-04-99	0730HMS	7/30/1999	8/4/1999	14:04
1999 E1	EJY99-01	E9900450BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0518	0.005	EDL	ug/g	Wet Wt	1	0.050	104		VGICP_08-19-99	0813SEMW	8/18/2009	8/19/2009	9:38
1999 E1	EJY99-01	E9900450CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7440-43-9	ICP - AES	Cadmium	11.46	0.02	EDL	ug/g	Wet Wt	1	1.000	1146		ICP_08-04-99	0730HMS	7/30/1999	8/4/1999	14:02
1999 E1	EJY99-01	E9900450CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0522	0.005	EDL	ug/g	Wet Wt	1	0.050	104		VGICP_08-19-99	0813SEMW	8/18/2009	8/19/2009	9:35
1999 E1	EJY99-01	E9900450MS	COSN ML29 MS	NA	Tissue	MS	NA	NA	7440-43-9	ICP - AES	Cadmium	118	NA	NA	%				118		ICP_08-04-99	0730HMS	7/30/1999	8/4/1999	13:56
1999 E1	EJY99-01	E9900450MS	COSN ML29 MS	NA	Tissue	MS	NA	NA	7782-49-2	ICP, Hydride	Selenium	96	NA	NA	%				96		VGICP_08-19-99	0813SEMW	8/18/2009	8/19/2009	9:29
1999 E1	EJY99-01	E9900450SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	59.75	0.02	EDL	ug/g	Wet Wt	1	54.3	110		ICP_08-04-99	0730HMS	7/30/1999	8/4/1999	14:06
1999 E1	EJY99-01	E9900450SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.460	0.005	EDL	ug/g	Wet Wt	1	0.446	103		VGICP_08-19-99	0813SEMW	8/18/2009	8/19/2009	9:41
1999 E1	EJY99-01	E9900451	RWBL ML30 6/23	06/23/98	Tissue	Primary	Red-Winged Blackbir	Regional	7440-43-9	ICP - AES	Cadmium	-0.06	0.02	EDL	ug/g	Wet Wt	1				ICP_08-04-99	0730BHMS	7/30/1999	8/4/1999	17:43
1999 E1	EJY99-01	E9900451	RWBL ML30 6/23	06/23/98	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.75	0.005	EDL	ug/g	Wet Wt	1				VGICP_08-19-99	0813SEMW	8/18/2009	8/19/2009	9:44
1999 E1	EJY99-01	E9900451	RWBL ML30 6/23	06/23/98	Tissue	Primary	Red-Winged Blackbir	Regional		Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
1999 E1	EJY99-01	E9900452	COSN ML31 6/28	06/28/99	Tissue	Primary	Common Snipe	Background	7440-43-9	ICP - AES	Cadmium	-0.072	0.02	EDL	ug/g	Wet Wt	1				ICP_08-04-99	0730BHMS	7/30/1999	8/4/1999	17:46
1999 E1	EJY99-01	E9900452	COSN ML31 6/28	06/28/99	Tissue	Primary	Common Snipe	Background	7782-49-2	ICP, Hydride	Selenium	0.36	0.005	EDL	ug/g	Wet Wt	1				VGICP_08-19-99	0813SEMW	8/18/2009	8/19/2009	9:47
1999 E1	EJY99-01	E9900452	COSN ML31 6/28	06/28/99	Tissue	Primary	Common Snipe	Background		Gravimetric	Moisture Content	76	1	NA	%	NA	1								
1999 E1	EJY99-01	E9900453	SOSP ML32 6/29	06/29/99	Tissue	Primary	Song Sparrow	Regional	7440-43-9	ICP - AES	Cadmium	-0.05	0.02	EDL	ug/g	Wet Wt	1				ICP_08-04-99	0730HMS	7/30/1999	8/4/1999	14:10
1999 E1	EJY99-01	E9900453	SOSP ML32 6/29	06/29/99	Tissue	Primary	Song Sparrow	Regional	7782-49-2	ICP, Hydride	Selenium	0.86	0.005	EDL	ug/g	Wet Wt	1				VGICP_08-19-99	0813SEMW	8/18/2009	8/19/2009	9:50
1999 E1	EJY99-01	E9900453	SOSP ML32 6/29	06/29/99	Tissue	Primary	Song Sparrow	Regional		Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
1999 E1	EJY99-01	E9900454	BHCO MW61 6/23	06/23/98	Tissue	Primary	Brown-Headed Cowbi	Regional	7440-43-9	ICP - AES	Cadmium	-0.024	0.02	EDL	ug/g	Wet Wt	1				ICP_08-04-99	0730HMS	7/30/1999	8/4/1999	14:12
1999 E1	EJY99-01	E9900454	BHCO MW61 6/23	06/23/98	Tissue	Primary	Brown-Headed Cowbi	Regional	7782-49-2	ICP, Hydride	Selenium	0.45	0.005	EDL	ug/g	Wet Wt	1				VGICP_08-19-99	0813SEMW	8/18/2009	8/19/2009	9:53
1999 E1	EJY99-01	E9900454	BHCO MW61 6/23	06/23/98	Tissue	Primary	Brown-Headed Cowbi	Regional		Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
1999 E1	EJY99-01	E9900455	SOSP MW62 6/21	06/21/99	Tissue	Primary	Song Sparrow	Regional	7440-43-9	ICP - AES	Cadmium	-0.06	0.02	EDL	ug/g	Wet Wt	1				ICP_08-04-99	0730HMS	7/30/1999	8/4/1999	14:15
1999 E1	EJY99-01	E9900455	SOSP MW62 6/21	06/21/99	Tissue	Primary	Song Sparrow	Regional	7782-49-2	ICP, Hydride	Selenium	0.82	0.005	EDL	ug/g	Wet Wt	1				VGICP_08-19-99	0813SEMW	8/18/2009	8/19/2009	9:56
1999 E1	EJY99-01	E9900455	SOSP MW62 6/21	06/21/99	Tissue	Primary	Song Sparrow	Regional		Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
1999 E1	EJY99-01	E9900456	CLSW MW63 6/23	06/23/98	Tissue	Primary	Cliff Swallow	Regional	7440-43-9	ICP - AES	Cadmium	-0.17	0.02	EDL	ug/g	Wet Wt	1				ICP_08-04-99	0730HMS	7/30/1999	8/4/1999	14:17
1999 E1	EJY99-01	E9900456	CLSW MW63 6/23	06/23/98	Tissue	Primary	Cliff Swallow	Regional	7782-49-2	ICP, Hydride	Selenium	0.91	0.005	EDL	ug/g	Wet Wt	1				VGICP_08-19-99	0813SEMW	8/18/2009	8/19/2009	9:59
1999 E1	EJY99-01	E9900456	CLSW MW63 6/23	06/23/98	Tissue	Primary	Cliff Swallow	Regional		Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
1999 E1	EJY99-01	E9900457	AMCO MW64 6/24	06/24/99	Tissue	Triplicate	American Coot	Background	7440-43-9	ICP - AES	Cadmium	-0.068	0.02	EDL	ug/g	Wet Wt	1				ICP_08-04-99	0730HMS	7/30/1999	8/4/1999	14:19
1999 E1	EJY99-01	E9900457	AMCO MW64 6/24	06/24/99	Tissue	Triplicate	American Coot	Background	7782-49-2	ICP, Hydride	Selenium	0.34	0.005	EDL	ug/g	Wet Wt	1				VGICP_08-19-99	0813SEMW	8/18/2009	8/19/2009	10:01
1999 E1	EJY99-01	E9900457	AMCO MW64 6/24	06/24/99	Tissue	Triplicate	American Coot	Background		Gravimetric	Moisture Content	77	1	NA	%	NA	1								
1999 E1	EJY99-01	E9900457-2	AMCO MW64 6/24	06/24/99	Tissue	Triplicate	American Coot	Background	7440-43-9	ICP - AES	Cadmium	-0.064	0.02	EDL	ug/g	Wet Wt	1				ICP_08-04-99	0730HMS	7/30/1999	8/4/1999	14:21
1999 E1	EJY99-01	E9900457-2	AMCO MW64 6/24	06/24/99	Tissue	Triplicate	American Coot	Background	7782-49-2	ICP, Hydride	Selenium	0.33	0.005	EDL	ug/g	Wet Wt	1				VGICP_08-19-99	0813SEMW	8/18/2009	8/19/2009	10:04
1999 E1	EJY99-01	E9900457-2	AMCO MW64 6/24	06/24/99	Tissue	Triplicate	American Coot	Background		Gravimetric	Moisture Content	76	1	NA	%	NA	1								
1999 E1	EJY99-01	E9900457-3	AMCO MW64 6/24	06/24/99	Tissue	Triplicate	American Coot	Background	7440-43-9	ICP - AES	Cadmium	-0.051	0.02	EDL	ug/g	Wet Wt	1				ICP_08-04-99	0730HMS	7/30/1999	8/4/1999	14:23
1999 E1	EJY99-01	E9900457-3	AMCO MW64 6/24	06/24/99	Tissue	Triplicate	American Coot	Background	7782-49-2	ICP, Hydride	Selenium	0.33	0.005	EDL	ug/g	Wet Wt	1				VGICP_08-19-99	0813SEMW	8/18/2009	8/19/2009	10:07
1999 E1	EJY99-01	E9900457-3	AMCO MW64 6/24	06/24/99	Tissue	Triplicate	American Coot	Background		Gravimetric	Moisture Content	77	1	NA	%	NA	1								
1999 E1	EJY99-01	E9900458	KILL MW65 6/29	06/29/99	Tissue	Primary	Killdeer	Regional	7440-43-9	ICP - AES	Cadmium	-0.067	0.02	EDL	ug/g	Wet Wt	1				ICP_08-04-99	0730HMS	7/30/1999	8/4/1999	14:25
1999 E1	EJY99-01	E9900458	KILL MW65 6/29	06/29/99	Tissue	Primary	Killdeer	Regional	7782-49-2	ICP, Hydride	Selenium	0.56	0.005	EDL	ug/g	Wet Wt	1				VGICP_08-19-99	0813SEMW	8/18/2009	8/19/2009	10:10
1999 E1	EJY99-01	E9900458	KILL MW65 6/29	06/29/99	Tissue	Primary	Killdeer	Regional		Gravimetric	Moisture Content	74	1	NA	%	NA	1								
1999 E1	EJY99-01	E9900458MS	KILL MW65 MS	NA	Tissue	MS	NA	NA	7440-43-9	ICP - AES	Cadmium	113	NA	NA	%				113		ICP_08-04-99	0730HMS	7/30/1999	8/4/1999	14:29
1999 E1	EJY99-01	E9900458MS	KILL MW65 MS	NA	Tissue	MS	NA	NA	7782-49-2	ICP, Hydride	Selenium	101	NA	NA	%				101		VGICP_08-19-99	0813SEMW	8/18/2009	8/19/2009	10:13
1999 E1	EJY99-01	E9900459	COSN MW66 6/29	06/29/99	Tissue	Primary	Common Snipe	Regional	7440-43-9	ICP - AES	Cadmium	-0.072	0.02	EDL	ug/g	Wet Wt	1				ICP_08-04-99	0730BHMS	7/30/1999	8/4/1999	17:49
1999 E1	EJY99-01	E9900459	COSN MW66 6/29	06/29/99	Tissue	Primary	Common Snipe	Regional	7782-49-2	ICP, Hydride	Selenium	0.59	0.005	EDL	ug/g	Wet Wt	1				VGICP_08-19-99	0813SEMW	8/18/2009	8/19/2009	10:16
1999 E1	EJY99-01	E9900459	COSN MW66 6/29	06/29/99	Tissue	Primary	Common Snipe	Regional		Gravimetric	Moisture Content	74	1	NA	%	NA	1								
1999 E1	EJY99-01	E9900459B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	-0.0016	0.02	EDL	ug/g	Wet Wt	1				ICP_08-04-99	0730HMS	7/30/1999	8/4/1999	14:38
1999 E1	EJY99-01	E9900459BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7440-43-9	ICP - AES	Cadmium	1.088	0.02	EDL	ug/g	Wet Wt	1	1.000	109		ICP_08-04-99	0730HMS	7/30/1999	8/4/1999	14:43
1999 E1	EJY99-01	E9900459CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7440-43-9	ICP - AES	Cadmium	10.62	0.02	EDL	ug/g	Wet Wt	1	1.000	1062		ICP_08-04-99	0730HMS	7/30/1999	8/4/1999	14:41
1999 E1	EJY99-01	E9900459MS	COSN MW66 MS	NA	Tissue	MS	NA	NA	7440-43-9	ICP - AES	Cadmium	120	NA	NA	%				120		ICP_08-04-99	0730HMS	7/30/1999	8/4/1999	14:34
1999 E1	EJY99-01	E9900459MS	COSN MW66 MS	NA	Tissue	MS	NA	NA	7782-49-2	ICP, Hydride	Selenium	95	NA	NA	%				95		VGICP_08-19-99	0813SEMW	8/18/2009	8/19/2009	10:19
1999 E1	EJY99-01	E9900459SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	61.61	0.02	EDL	ug/g	Wet Wt	1	54.3	113		ICP_08-04-99	0730HMS	7/30/1999	8/4/1999	14:45
1999 E1	EJY99-01	E9900460	CLSW MW67 6/29	06/29/99	Tissue	Primary	Cliff Swallow	Regional	7440-43-9	ICP - AES	Cadmium	-0.52	0.02	EDL	ug/g	Wet Wt	1				ICP_08-04-99	0730BHMS	7/30/1999	8/4/1999	17:51
1999 E1	EJY99-01	E9900460	CLSW MW67 6/29	06/29/99	Tissue	Primary	Cliff Swallow	Regional	7782-49-2	ICP, Hydride	Selenium	0.38	0.005	EDL	ug/g	Wet Wt	1				VGICP_08-19-99	0813SEMW	8/18/2009	8/19/2009	10:22
1999 E1	EJY99-01	E9900460	CLSW MW67 6/29	06/29/99	Tissue	Primary	Cliff Swallow	Regional		Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
1999 E1	EJY99-01	E9900460B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	-0.0029	0.02	EDL	ug/g	Wet Wt	1				ICP_08-04-99	0730HMS	7/30/1999	8/4/1999	18:04
1999 E1	EJY99-01	E9900460B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	-0.000426	0.005	EDL	ug/g	Wet Wt	1				VGICP_08-19-99	0813SEMW	8/18/2009	8/19/2009	10:26
1999 E1	EJY99-01	E9900460BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7440-43-9	ICP - AES	Cadmium	1.019	0.02	EDL	ug/g	Wet Wt	1	1.000	102		ICP_08-04-99	0730HMS	7/30/1999	8/4/1999	17:59
1999 E1	EJY99-01	E9900460BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0511	0.005	EDL	ug/g	Wet Wt	1	0.050	102		VGICP_08-19-99	0813SEMW	8/18/2009	8/19/2009	10:32
1999 E1	EJY99-01	E9900460CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7440-43-9	ICP - AES	Cadmium	10.02	0.02	EDL	ug/g	Wet Wt	1	1.000	1002		ICP_08-04-99	0730HMS	7/30/1999	8/4/1999	17:56
1999 E1	EJY99-01	E9900460CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0520	0.005	EDL	ug/g	Wet Wt	1	0.050	104		VGICP_08-19-99	0813SEMW	8/18/2009	8/19/2009	10:29
1999 E1	EJY99-01	E9900460SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	57.82	0.02	EDL	ug/g	Wet Wt	1	54.3	106		ICP_08-04-99	0730HMS	7/30/1999	8/4/1999	18:02
1999 E1	EJY99-01	E9900460SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.439	0.005	EDL	ug/g	Wet Wt	1	0.446	98		VGICP_08-19-99	0813SEMW	8/18/2009	8/19/2009	10:35
1999 E1	EJY99-03	E9900467	CITE DG29 7/1	07/01/99	Tissue	Triplicate	Cinnamon Teal	Background	7440-43-9	ICP - AES	Cadmium	-0.017	0.02	EDL	ug/g	Wet Wt	1				ICP_08-04-99	0730BHMS	7/30/1999	8/4/1999	18:09
1999 E1	EJY99-03	E9900467	CITE DG29 7/1	07/01/99	Tissue	Triplicate	Cinnamon Teal	Background	7782-49-2	ICP, Hydride	Selenium	0.39	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-23-99	0723SEMW	7/23/1999	7/23/1999	12:46
1999 E1	EJY99-03	E9900467	CITE DG29 7/1	07/01/99	Tissue	Triplicate	Cinnamon Teal	Background		Gravimetric	Moisture Content	73	1	NA	%	NA	1								

Event	UIASL Case #	UIASL Sample ID	Field Sample ID	Collection Date	Matrix	QC Type	Common Name	Spatial Relevance	CAS #	Method	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% Rec	QC Flag	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
1999 E1	EJY99-03	E9900467-2	CITE DG29 7/1	07/01/99	Tissue	Triplicate	Cinnamon Teal	Background	7440-43-9	ICP - AES	Cadmium	-0.059	0.02	EDL	ug/g	Wet Wt	1				ICP_08-04-99	0730BHMS	7/30/1999	8/4/1999	18:12
1999 E1	EJY99-03	E9900467-2	CITE DG29 7/1	07/01/99	Tissue	Triplicate	Cinnamon Teal	Background	7782-49-2	ICP, Hydride	Selenium	0.62	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-23-99	0723SEMW	7/23/1999	7/23/1999	12:49
1999 E1	EJY99-03	E9900467-2	CITE DG29 7/1	07/01/99	Tissue	Triplicate	Cinnamon Teal	Background		Gravimetric	Moisture Content	71	1	NA	%	NA	1								
1999 E1	EJY99-03	E9900467-3	CITE DG29 7/1	07/01/99	Tissue	Triplicate	Cinnamon Teal	Background	7440-43-9	ICP - AES	Cadmium	-0.065	0.02	EDL	ug/g	Wet Wt	1				ICP_08-04-99	0730BHMS	7/30/1999	8/4/1999	18:15
1999 E1	EJY99-03	E9900467-3	CITE DG29 7/1	07/01/99	Tissue	Triplicate	Cinnamon Teal	Background	7782-49-2	ICP, Hydride	Selenium	0.58	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-23-99	0723SEMW	7/23/1999	7/23/1999	12:52
1999 E1	EJY99-03	E9900467-3	CITE DG29 7/1	07/01/99	Tissue	Triplicate	Cinnamon Teal	Background		Gravimetric	Moisture Content	69	1	NA	%	NA	1								
1999 E1	EJY99-03	E9900467C1	Check Standard	NA	Lab QC	ICV	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.500	0.005	EDL	ug/g	Wet Wt	1	0.050	1000		VGICP_07-23-99	0723SEMW	7/23/1999	7/23/1999	12:40
1999 E1	EJY99-03	E9900467SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	60.38	0.02	EDL	ug/g	Wet Wt	1	54.3	111		ICP_08-04-99	0730BHMS	7/30/1999	8/4/1999	12:17
1999 E1	EJY99-03	E9900468	SOSP ML33 6/30	06/30/99	Tissue	Primary	Song Sparrow	Regional	7440-43-9	ICP - AES	Cadmium	-0.13	0.02	EDL	ug/g	Wet Wt	1				ICP_08-04-99	0730BHMS	7/30/1999	8/4/1999	18:17
1999 E1	EJY99-03	E9900468	SOSP ML33 6/30	06/30/99	Tissue	Primary	Song Sparrow	Regional	7782-49-2	ICP, Hydride	Selenium	0.82	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-23-99	0723SEMW	7/23/1999	7/23/1999	12:54
1999 E1	EJY99-03	E9900468	SOSP ML33 6/30	06/30/99	Tissue	Primary	Song Sparrow	Regional		Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
1999 E1	EJY99-03	E9900469	BHCO ML34 7/1	07/01/99	Tissue	Primary	rown-Headed Cowbi	Mine	7440-43-9	ICP - AES	Cadmium	-0.21	0.02	EDL	ug/g	Wet Wt	1				ICP_08-04-99	0730BHMS	7/30/1999	8/4/1999	18:20
1999 E1	EJY99-03	E9900469	BHCO ML34 7/1	07/01/99	Tissue	Primary	rown-Headed Cowbi	Mine	7782-49-2	ICP, Hydride	Selenium	0.43	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-23-99	0723SEMW	7/23/1999	7/23/1999	12:57
1999 E1	EJY99-03	E9900469	BHCO ML34 7/1	07/01/99	Tissue	Primary	rown-Headed Cowbi	Mine		Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
1999 E1	EJY99-03	E9900470	COSN ML35 7/2	07/02/99	Tissue	Primary	Common Snipe	Regional	7440-43-9	ICP - AES	Cadmium	-0.065	0.02	EDL	ug/g	Wet Wt	1				ICP_08-04-99	0730BHMS	7/30/1999	8/4/1999	18:22
1999 E1	EJY99-03	E9900470	COSN ML35 7/2	07/02/99	Tissue	Primary	Common Snipe	Regional	7782-49-2	ICP, Hydride	Selenium	0.72	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-23-99	0723SEMW	7/23/1999	7/23/1999	13:00
1999 E1	EJY99-03	E9900470	COSN ML35 7/2	07/02/99	Tissue	Primary	Common Snipe	Regional		Gravimetric	Moisture Content	74	1	NA	%	NA	1								
1999 E1	EJY99-03	E9900471	SOSP MW68 6/30	06/30/99	Tissue	Primary	Song Sparrow	Regional	7440-43-9	ICP - AES	Cadmium	-0.26	0.02	EDL	ug/g	Wet Wt	1				ICP_08-04-99	0730BHMS	7/30/1999	8/4/1999	18:25
1999 E1	EJY99-03	E9900471	SOSP MW68 6/30	06/30/99	Tissue	Primary	Song Sparrow	Regional	7782-49-2	ICP, Hydride	Selenium	0.88	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-23-99	0723SEMW	7/23/1999	7/23/1999	13:03
1999 E1	EJY99-03	E9900471	SOSP MW68 6/30	06/30/99	Tissue	Primary	Song Sparrow	Regional		Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
1999 E1	EJY99-03	E9900472	BHCO MW69 6/30	06/30/99	Tissue	Primary	rown-Headed Cowbi	Regional	7440-43-9	ICP - AES	Cadmium	-0.061	0.02	EDL	ug/g	Wet Wt	1				ICP_08-04-99	0730BHMS	7/30/1999	8/4/1999	18:28
1999 E1	EJY99-03	E9900472	BHCO MW69 6/30	06/30/99	Tissue	Primary	rown-Headed Cowbi	Regional	7782-49-2	ICP, Hydride	Selenium	0.44	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-23-99	0723SEMW	7/23/1999	7/23/1999	13:06
1999 E1	EJY99-03	E9900472	BHCO MW69 6/30	06/30/99	Tissue	Primary	rown-Headed Cowbi	Regional		Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
1999 E1	EJY99-03	E9900473	AMRO MW70 7/1	07/01/99	Tissue	Primary	American Robin	Background	7440-43-9	ICP - AES	Cadmium	-0.076	0.02	EDL	ug/g	Wet Wt	1				ICP_08-04-99	0730BHMS	7/30/1999	8/4/1999	18:30
1999 E1	EJY99-03	E9900473	AMRO MW70 7/1	07/01/99	Tissue	Primary	American Robin	Background	7782-49-2	ICP, Hydride	Selenium	0.52	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-23-99	0723SEMW	7/23/1999	7/23/1999	13:09
1999 E1	EJY99-03	E9900473	AMRO MW70 7/1	07/01/99	Tissue	Primary	American Robin	Background		Gravimetric	Moisture Content	84	1	NA	%	NA	1								
1999 E1	EJY99-03	E9900474	BHCO MW71 7/1	07/01/99	Tissue	Primary	rown-Headed Cowbi	Mine	7440-43-9	ICP - AES	Cadmium	-0.074	0.02	EDL	ug/g	Wet Wt	1				ICP_08-04-99	0730BHMS	7/30/1999	8/4/1999	18:33
1999 E1	EJY99-03	E9900474	BHCO MW71 7/1	07/01/99	Tissue	Primary	rown-Headed Cowbi	Mine	7782-49-2	ICP, Hydride	Selenium	0.43	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-23-99	0723SEMW	7/23/1999	7/23/1999	13:12
1999 E1	EJY99-03	E9900474	BHCO MW71 7/1	07/01/99	Tissue	Primary	rown-Headed Cowbi	Mine		Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
1999 E1	EJY99-03	E9900475	COSN MW72 7/2	07/02/99	Tissue	Primary	Common Snipe	Regional	7440-43-9	ICP - AES	Cadmium	-0.065	0.02	EDL	ug/g	Wet Wt	1				ICP_08-04-99	0730BHMS	7/30/1999	8/4/1999	18:35
1999 E1	EJY99-03	E9900475	COSN MW72 7/2	07/02/99	Tissue	Primary	Common Snipe	Regional	7782-49-2	ICP, Hydride	Selenium	0.82	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-23-99	0723SEMW	7/23/1999	7/23/1999	13:14
1999 E1	EJY99-03	E9900475	COSN MW72 7/2	07/02/99	Tissue	Primary	Common Snipe	Regional		Gravimetric	Moisture Content	74	1	NA	%	NA	1								
1999 E1	EJY99-03	E9900475B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	-0.001725	0.005	EDL	ug/g	Wet Wt	1				VGICP_07-23-99	0723SEMW	7/23/1999	7/23/1999	13:20
1999 E1	EJY99-03	E9900475BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0632	0.005	EDL	ug/g	Wet Wt	1	0.050	126		VGICP_07-23-99	0723SEMW	7/23/1999	7/23/1999	13:26
1999 E1	EJY99-03	E9900475CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0639	0.005	EDL	ug/g	Wet Wt	1	0.050	128		VGICP_07-23-99	0723SEMW	7/23/1999	7/23/1999	13:23
1999 E1	EJY99-03	E9900475MS	COSN MW72 MS	NA	Tissue	MS	NA	NA	7782-49-2	ICP, Hydride	Selenium	136	NA	NA	%				136		VGICP_07-23-99	0723SEMW	7/23/1999	7/23/1999	13:17
1999 E1	EJY99-03	E9900475S1	TORT-2	NA	Tissue	SRM	NA	NA	7440-43-9	ICP - AES	Cadmium	32.79	0.02	EDL	ug/g	Wet Wt	1	26.7	123		ICP_08-04-99	0730BHMS	7/30/1999	8/4/1999	18:52
1999 E1	EJY99-03	E9900475SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	66.34	0.02	EDL	ug/g	Wet Wt	1	54.3	122		ICP_08-04-99	0730BHMS	7/30/1999	8/4/1999	18:49
1999 E1	EJY99-03	E9900475SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.473	0.005	EDL	ug/g	Wet Wt	1	0.446	106		VGICP_07-23-99	0723SEMW	7/23/1999	7/23/1999	13:30
2000 E1	EMA00-13	E0000523	CAGO DJ01 5/13	05/13/00	Tissue	Primary	Canada Goose	Mine	7440-43-9	ICP - AES	Cadmium	0.005	0.025	MDL	ug/g	Wet Wt	1				ICP_06-12-00	0612CDMW	6/12/2000	6/12/2000	10:49
2000 E1	EMA00-13	E0000523	CAGO DJ01 5/13	05/13/00	Tissue	Primary	Canada Goose	Mine	NA	Gravimetric	Moisture Content	66	1	NA	%	NA	1								
2000 E1	EMA00-13	E0000523	CAGO DJ01 5/13	05/13/00	Tissue	Primary	Canada Goose	Mine	7782-49-2	ICP, Hydride	Selenium	0.88	0.01	MDL	ug/g	Wet Wt	1				VGICP_6-12-00	0612SEMW	6/12/2000	6/12/2000	13:25
2000 E1	EMA00-13	E0000523B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	0.000	0.025	MDL	ug/g	Wet Wt	1				ICP_06-12-00	0612CDMW	6/12/2000	6/12/2000	10:40
2000 E1	EMA00-13	E0000523B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0016	0.01	MDL	ug/g	Wet Wt	1				VGICP_6-12-00	0612SEMW	6/12/2000	6/12/2000	13:29
2000 E1	EMA00-13	E0000523BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7440-43-9	ICP - AES	Cadmium	0.078	0.025	MDL	ug/g	Wet Wt	1	0.080	98		ICP_06-12-00	0612CDMW	6/12/2000	6/12/2000	10:44
2000 E1	EMA00-13	E0000523CS	Check Standard	NA	Lab QC	CCV	NA	NA	7440-43-9	ICP - AES	Cadmium	0.103	0.025	MDL	ug/g	Wet Wt	1	0.100	103		ICP_06-12-00	0612CDMW	6/12/2000	6/12/2000	10:42
2000 E1	EMA00-13	E0000523D	CAGO DJ01 5/13	05/13/00	Tissue	Lab Dupl	Canada Goose	Mine	NA	Gravimetric	Moisture Content	66	1	NA	%	NA	1								
2000 E1	EMA00-13	E0000523D	CAGO DJ01 5/13	05/13/00	Tissue	Lab Dupl	Canada Goose	Mine	7782-49-2	ICP, Hydride	Selenium	0.95	0.01	MDL	ug/g	Wet Wt	1				VGICP_6-12-00	0612SEMW	6/12/2000	6/12/2000	13:35
2000 E1	EMA00-13	E0000523SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	51.000	0.025	MDL	ug/g	Wet Wt	1	54.3	94		ICP_06-12-00	0612CDMW	6/12/2000	6/12/2000	10:47
2000 E1	EMA00-13	E0000523SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.488	0.01	MDL	ug/g	Wet Wt	1	0.446	109		VGICP_6-12-00	0612SEMW	6/12/2000	6/12/2000	13:25
2000 E1	EMA00-13	E0000524	SACR BP01 5/13	05/13/00	Tissue	Primary	Sandhill Crane	Mine	7440-43-9	ICP - AES	Cadmium	-0.001	0.025	MDL	ug/g	Wet Wt	1				ICP_06-12-00	0612CDMW	6/12/2000	6/12/2000	10:52
2000 E1	EMA00-13	E0000524	SACR BP01 5/13	05/13/00	Tissue	Primary	Sandhill Crane	Mine	NA	Gravimetric	Moisture Content	75	1	NA	%	NA	1								
2000 E1	EMA00-13	E0000524	SACR BP01 5/13	05/13/00	Tissue	Primary	Sandhill Crane	Mine	7782-49-2	ICP, Hydride	Selenium	0.49	0.01	MDL	ug/g	Wet Wt	1				VGICP_6-12-00	0612SEMW	6/12/2000	6/12/2000	13:38
2000 E1	EMA00-13	E0000525	AMRO MH01 5/13	05/13/00	Tissue	Primary	American Robin	Regional	7440-43-9	ICP - AES	Cadmium	0.005	0.025	MDL	ug/g	Wet Wt	1				ICP_06-12-00	0612CDMW	6/12/2000	6/12/2000	10:54
2000 E1	EMA00-13	E0000525	AMRO MH01 5/13	05/13/00	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2000 E1	EMA00-13	E0000525	AMRO MH01 5/13	05/13/00	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.61	0.01	MDL	ug/g	Wet Wt	1				VGICP_6-12-00	0612SEMW	6/12/2000	6/12/2000	13:41
2000 E1	EMA00-13	E0000526	AMRO BP02 5/13	05/13/00	Tissue	Primary	American Robin	Regional	7440-43-9	ICP - AES	Cadmium	0.012	0.025	MDL	ug/g	Wet Wt	1				ICP_06-12-00	0612CDMW	6/12/2000	6/12/2000	10:57
2000 E1	EMA00-13	E0000526	AMRO BP02 5/13	05/13/00	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2000 E1	EMA00-13	E0000526	AMRO BP02 5/13	05/13/00	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.63	0.01	MDL	ug/g	Wet Wt	1				VGICP_6-12-00	0612SEMW	6/12/2000	6/12/2000	13:44
2000 E1	EMA00-13	E0000527	MALL MH02 5/14	05/14/00	Tissue	Primary	Mallard	Regional	7440-43-9	ICP - AES	Cadmium	0.000	0.025	MDL	ug/g	Wet Wt	1				ICP_06-12-00	0612CDMW	6/12/2000	6/12/2000	10:59
2000 E1	EMA00-13	E0000527	MALL MH02 5/14	05/14/00	Tissue	Primary	Mallard	Regional	NA	Gravimetric	Moisture Content	69	1	NA	%	NA	1								
2000 E1	EMA00-13	E0000527	MALL MH02 5/14	05/14/00	Tissue	Primary	Mallard	Regional	7782-49-2	ICP, Hydride	Selenium	0.56	0.01	MDL	ug/g	Wet Wt	1				VGICP_6-12-00	0612SEMW	6/12/2000	6/12/2000	13:47
2000 E1	EMA00-13	E0000527D	MALL MH02 5/14	05/14/00	Tissue	Lab Dupl	Mallard	Regional	7440-43-9	ICP - AES	Cadmium	0.009	0.025	MDL	ug/g	Wet Wt	1				ICP_06-12-00	0612CDMW	6/12/2000	6/12/2000	11:02
2000 E1	EMA00-13	E0000528	AMRO BP03 5/14	05/14/00	Tissue	Primary	American Robin	Background	7440-43-9	ICP - AES	Cadmium	0.009	0.025	MDL	ug/g	Wet Wt	1				ICP_06-12-00	0612CDMW	6/12/2000	6/12/2000	11:04
2000 E1	EMA00-13	E0000528	AMRO BP03 5/14	05/14/00	Tissue	Primary	American Robin	Background	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								

Event	UIASL Case #	UIASL Sample ID	Field Sample ID	Collection Date	Matrix	QC Type	Common Name	Spatial Relevance	CAS #	Method	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% Rec	QC Flag	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
2000 E1	EMA00-13	E0000528	AMRO BP03 5/14	05/14/00	Tissue	Primary	American Robin	Background	7782-49-2	ICP, Hydride	Selenium	0.600	0.01	MDL	ug/g	Wet Wt	1				VGICP_6-12-00	0612SEMW	6/12/2000	6/12/2000	13:50
2000 E1	EMA00-13	E0000529	CAGO DJ02 5/15	05/15/00	Tissue	Primary	Canada Goose	Regional	7440-43-9	ICP - AES	Cadmium	0.002	0.025	MDL	ug/g	Wet Wt	1				ICP_06-12-00	0612CDMW	6/12/2000	6/12/2000	11:07
2000 E1	EMA00-13	E0000529	CAGO DJ02 5/15	05/15/00	Tissue	Primary	Canada Goose	Regional	NA	Gravimetric	Moisture Content	68	1	NA	%	NA	1								
2000 E1	EMA00-13	E0000529	CAGO DJ02 5/15	05/15/00	Tissue	Primary	Canada Goose	Regional	7782-49-2	ICP, Hydride	Selenium	1.2	0.01	MDL	ug/g	Wet Wt	1				VGICP_6-12-00	0612SEMW	6/12/2000	6/12/2000	13:56
2000 E1	EMA00-13	E0000529B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	0.000	0.025	MDL	ug/g	Wet Wt	1				ICP_06-12-00	0612CDMW	6/12/2000	6/12/2000	11:09
2000 E1	EMA00-13	E0000529BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7440-43-9	ICP - AES	Cadmium	0.079	0.025	MDL	ug/g	Wet Wt	1	0.080	99		ICP_06-12-00	0612CDMW	6/12/2000	6/12/2000	11:14
2000 E1	EMA00-13	E0000529CS	Check Standard	NA	Lab QC	CCV	NA	NA	7440-43-9	ICP - AES	Cadmium	0.101	0.025	MDL	ug/g	Wet Wt	1	0.100	101		ICP_06-12-00	0612CDMW	6/12/2000	6/12/2000	11:11
2000 E1	EMA00-13	E0000529SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	49.200	0.025	MDL	ug/g	Wet Wt	1	54.3	91		ICP_06-12-00	0612CDMW	6/12/2000	6/12/2000	11:16
2000 E1	EMA00-13	E0000530-1	SACR MH03 5/15	05/15/00	Tissue	Triplicate	Sandhill Crane	Regional	7440-43-9	ICP - AES	Cadmium	0.011	0.025	MDL	ug/g	Wet Wt	1				ICP_06-12-00	0612CDMW	6/12/2000	6/12/2000	11:19
2000 E1	EMA00-13	E0000530-1	SACR MH03 5/15	05/15/00	Tissue	Triplicate	Sandhill Crane	Regional	NA	Gravimetric	Moisture Content	78	1	NA	%	NA	1								
2000 E1	EMA00-13	E0000530-1	SACR MH03 5/15	05/15/00	Tissue	Triplicate	Sandhill Crane	Regional	7782-49-2	ICP, Hydride	Selenium	0.56	0.01	MDL	ug/g	Wet Wt	1				VGICP_6-12-00	0612SEMW	6/12/2000	6/12/2000	13:59
2000 E1	EMA00-13	E0000530-2	SACR MH03 5/15	05/15/00	Tissue	Triplicate	Sandhill Crane	Regional	7440-43-9	ICP - AES	Cadmium	0.012	0.025	MDL	ug/g	Wet Wt	1				ICP_06-12-00	0612CDMW	6/12/2000	6/12/2000	11:21
2000 E1	EMA00-13	E0000530-2	SACR MH03 5/15	05/15/00	Tissue	Triplicate	Sandhill Crane	Regional	NA	Gravimetric	Moisture Content	78	1	NA	%	NA	1								
2000 E1	EMA00-13	E0000530-2	SACR MH03 5/15	05/15/00	Tissue	Triplicate	Sandhill Crane	Regional	7782-49-2	ICP, Hydride	Selenium	0.57	0.01	MDL	ug/g	Wet Wt	1				VGICP_6-12-00	0612SEMW	6/12/2000	6/12/2000	14:02
2000 E1	EMA00-13	E0000530-3	SACR MH03 5/15	05/15/00	Tissue	Triplicate	Sandhill Crane	Regional	7440-43-9	ICP - AES	Cadmium	0.016	0.025	MDL	ug/g	Wet Wt	1				ICP_06-12-00	0612CDMW	6/12/2000	6/12/2000	11:23
2000 E1	EMA00-13	E0000530-3	SACR MH03 5/15	05/15/00	Tissue	Triplicate	Sandhill Crane	Regional	NA	Gravimetric	Moisture Content	78	1	NA	%	NA	1								
2000 E1	EMA00-13	E0000530-3	SACR MH03 5/15	05/15/00	Tissue	Triplicate	Sandhill Crane	Regional	7782-49-2	ICP, Hydride	Selenium	0.53	0.01	MDL	ug/g	Wet Wt	1				VGICP_6-12-00	0612SEMW	6/12/2000	6/12/2000	14:04
2000 E1	EMA00-13	E0000530MS	SACR MH03 5/15	NA	Tissue	MS	NA	NA	7440-43-9	ICP - AES	Cadmium	93	NA	NA	%				93		ICP_06-12-00	0612CDMW	6/12/2000	6/12/2000	11:26
2000 E1	EMA00-13	E0000530MS	SACR MH03 5/15	05/15/00	Tissue	MS	Sandhill Crane	NA	7782-49-2	ICP, Hydride	Selenium	94	NA	NA	%				94		VGICP_6-12-00	0612SEMW	6/12/2000	6/12/2000	14:07
2000 E1	EMA00-13	E0000531	CAGO MH04 5/15	05/15/00	Tissue	Primary	Canada Goose	Regional	7440-43-9	ICP - AES	Cadmium	0.013	0.025	MDL	ug/g	Wet Wt	1				ICP_06-12-00	0612CDMW	6/12/2000	6/12/2000	11:28
2000 E1	EMA00-13	E0000531	CAGO MH04 5/15	05/15/00	Tissue	Primary	Canada Goose	Regional	NA	Gravimetric	Moisture Content	65	1	NA	%	NA	1								
2000 E1	EMA00-13	E0000531	CAGO MH04 5/15	05/15/00	Tissue	Primary	Canada Goose	Regional	7782-49-2	ICP, Hydride	Selenium	0.8	0.01	MDL	ug/g	Wet Wt	1				VGICP_6-12-00	0612SEMW	6/12/2000	6/12/2000	14:10
2000 E1	EMA00-13	E0000531D	CAGO MH04 5/15	05/15/00	Tissue	Lab Dupl	Canada Goose	Regional	NA	Gravimetric	Moisture Content	67	1	NA	%	NA	1								
2000 E1	EMA00-13	E0000532	SACR MH05 5/16	05/16/00	Tissue	Primary	Sandhill Crane	Background	7440-43-9	ICP - AES	Cadmium	0.002	0.025	MDL	ug/g	Wet Wt	1				ICP_06-12-00	0612CDMW	6/12/2000	6/12/2000	11:31
2000 E1	EMA00-13	E0000532	SACR MH05 5/16	05/16/00	Tissue	Primary	Sandhill Crane	Background	NA	Gravimetric	Moisture Content	78	1	NA	%	NA	1								
2000 E1	EMA00-13	E0000532	SACR MH05 5/16	05/16/00	Tissue	Primary	Sandhill Crane	Background	7782-49-2	ICP, Hydride	Selenium	0.32	0.01	MDL	ug/g	Wet Wt	1				VGICP_6-12-00	0612SEMW	6/12/2000	6/12/2000	14:13
2000 E1	EMA00-13	E0000533	SACR MH06 5/16	05/16/00	Tissue	Primary	Sandhill Crane	Background	7440-43-9	ICP - AES	Cadmium	0.007	0.025	MDL	ug/g	Wet Wt	1				ICP_06-12-00	0612CDMW	6/12/2000	6/12/2000	11:33
2000 E1	EMA00-13	E0000533	SACR MH06 5/16	05/16/00	Tissue	Primary	Sandhill Crane	Background	NA	Gravimetric	Moisture Content	75	1	NA	%	NA	1								
2000 E1	EMA00-13	E0000533	SACR MH06 5/16	05/16/00	Tissue	Primary	Sandhill Crane	Background	7782-49-2	ICP, Hydride	Selenium	0.31	0.01	MDL	ug/g	Wet Wt	1				VGICP_6-12-00	0612SEMW	6/12/2000	6/12/2000	14:16
2000 E1	EMA00-13	E0000533D	SACR MH06 5/16	05/16/00	Tissue	Lab Dupl	Sandhill Crane	Background	7782-49-2	ICP, Hydride	Selenium	0.29	0.01	MDL	ug/g	Wet Wt	1				VGICP_6-12-00	0612SEMW	6/12/2000	6/12/2000	14:19
2000 E1	EMA00-13	E0000534	SACR MH07 5/16	05/16/00	Tissue	Primary	Sandhill Crane	Regional	7440-43-9	ICP - AES	Cadmium	0.015	0.025	MDL	ug/g	Wet Wt	1				ICP_06-12-00	0612CDMW	6/12/2000	6/12/2000	11:36
2000 E1	EMA00-13	E0000534	SACR MH07 5/16	05/16/00	Tissue	Primary	Sandhill Crane	Regional	NA	Gravimetric	Moisture Content	79	1	NA	%	NA	1								
2000 E1	EMA00-13	E0000534	SACR MH07 5/16	05/16/00	Tissue	Primary	Sandhill Crane	Regional	7782-49-2	ICP, Hydride	Selenium	0.65	0.01	MDL	ug/g	Wet Wt	1				VGICP_6-12-00	0612SEMW	6/12/2000	6/12/2000	14:22
2000 E1	EMA00-13	E0000534B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	-0.001	0.025	MDL	ug/g	Wet Wt	1				ICP_06-12-00	0612CDMW	6/12/2000	6/12/2000	11:41
2000 E1	EMA00-13	E0000534B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	-0.00149	0.01	MDL	ug/g	Wet Wt	1				VGICP_6-12-00	0612SEMW	6/12/2000	6/12/2000	14:25
2000 E1	EMA00-13	E0000534BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7440-43-9	ICP - AES	Cadmium	0.079	0.025	MDL	ug/g	Wet Wt	1	0.080	99		ICP_06-12-00	0612CDMW	6/12/2000	6/12/2000	11:46
2000 E1	EMA00-13	E0000534BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0491	0.01	MDL	ug/g	Wet Wt	1	0.050	98		VGICP_6-12-00	0612SEMW	6/12/2000	6/12/2000	14:31
2000 E1	EMA00-13	E0000534C1	Check Standard	NA	Lab QC	CCV	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.298	0.01	MDL	ug/g	Wet Wt	1	0.300	99		VGICP_6-12-00	0612SEMW	6/12/2000	6/12/2000	14:37
2000 E1	EMA00-13	E0000534CS	Check Standard	NA	Lab QC	CCV	NA	NA	7440-43-9	ICP - AES	Cadmium	0.101	0.025	MDL	ug/g	Wet Wt	1	0.100	101		ICP_06-12-00	0612CDMW	6/12/2000	6/12/2000	11:43
2000 E1	EMA00-13	E0000534D	SACR MH07 5/16	05/16/00	Tissue	Lab Dupl	Sandhill Crane	Regional	7440-43-9	ICP - AES	Cadmium	0.014	0.025	MDL	ug/g	Wet Wt	1				ICP_06-12-00	0612CDMW	6/12/2000	6/12/2000	11:38
2000 E1	EMA00-13	E0000534SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	50.900	0.025	MDL	ug/g	Wet Wt	1	54.3	94		ICP_06-12-00	0612CDMW	6/12/2000	6/12/2000	11:48
2000 E1	EMA00-13	E0000534SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.427	0.01	MDL	ug/g	Wet Wt	1	0.446	96		VGICP_6-12-00	0612SEMW	6/12/2000	6/12/2000	14:34
2000 E1	EMA00-30	E0000654	RWBL BP07 5/20	05/20/00	Tissue	Primary	Red-Winged Blackbird	Mine	7440-43-9	ICP - AES	Cadmium	-0.013	0.025	MDL	ug/g	Wet Wt	1				ICP_8-23-00B	0823CDMWB	8/23/2000	8/23/2000	11:05
2000 E1	EMA00-30	E0000654	RWBL BP07 5/20	05/20/00	Tissue	Primary	Red-Winged Blackbird	Mine	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2000 E1	EMA00-30	E0000654	RWBL BP07 5/20	05/20/00	Tissue	Primary	Red-Winged Blackbird	Mine	7782-49-2	ICP, Hydride	Selenium	3.5	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-18-00	0716SEMW	7/6/2000	7/18/2000	12:57
2000 E1	EMA00-30	E0000654B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	-0.002	0.025	MDL	ug/g	Wet Wt	1				ICP_8-23-00B	0823CDMWB	8/23/2000	8/23/2000	10:56
2000 E1	EMA00-30	E0000654BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7440-43-9	ICP - AES	Cadmium	0.079	0.025	MDL	ug/g	Wet Wt	1	0.080	99		ICP_8-23-00B	0823CDMWB	8/23/2000	8/23/2000	11:00
2000 E1	EMA00-30	E0000654CS	Check Standard	NA	Lab QC	CCV	NA	NA	7440-43-9	ICP - AES	Cadmium	0.101	0.025	MDL	ug/g	Wet Wt	1	0.100	101		ICP_8-23-00B	0823CDMWB	8/23/2000	8/23/2000	10:58
2000 E1	EMA00-30	E0000654S1	TORT2	NA	Tissue	SRM	NA	NA	7782-49-2	ICP, Hydride	Selenium	5.69	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-18-00	0716SEMW	7/6/2000	7/18/2000	12:51
2000 E1	EMA00-30	E0000654SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	54.600	0.025	MDL	ug/g	Wet Wt	1	54.3	101		ICP_8-23-00B	0823CDMWB	8/23/2000	8/23/2000	11:03
2000 E1	EMA00-30	E0000654SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.429	0.01	MDL	ug/g	Wet Wt	1	0.446	96		VGICP_7-18-00	0716SEMW	7/6/2000	7/18/2000	12:54
2000 E1	EMA00-30	E0000655	MOBL MH09 5/20	05/20/00	Tissue	Primary	Mountain Bluebird	Regional	7440-43-9	ICP - AES	Cadmium	-0.033	0.05	MDL	ug/g	Wet Wt	1				ICP_8-23-00B	0823CDMWB	8/23/2000	8/23/2000	11:07
2000 E1	EMA00-30	E0000655	MOBL MH09 5/20	05/20/00	Tissue	Primary	Mountain Bluebird	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2000 E1	EMA00-30	E0000655	MOBL MH09 5/20	05/20/00	Tissue	Primary	Mountain Bluebird	Regional	7782-49-2	ICP, Hydride	Selenium	0.54	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-18-00	0716SEMW	7/6/2000	7/18/2000	13:00
2000 E1	EMA00-30	E0000656	MAWR DJ04 5/18	05/18/00	Tissue	Primary	Marsh Wren	Background	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	
2000 E1	EMA00-30	E0000656	MAWR DJ04 5/18	05/18/00	Tissue	Primary	Marsh Wren	Background	NA	Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
2000 E1	EMA00-30	E0000656	MAWR DJ04 5/18	05/18/00	Tissue	Primary	Marsh Wren	Background	7782-49-2	ICP, Hydride	Selenium	0.64	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-18-00	0716SEMW	7/6/2000	7/18/2000	13:03
2000 E1	EMA00-30	E0000657	AMRO BP10 5/22	05/22/00	Tissue	Primary	American Robin	Regional	7440-43-9	ICP - AES	Cadmium	-0.02	0.025	MDL	ug/g	Wet Wt	1				ICP_8-23-00B	0823CDMWB	8/23/2000	8/23/2000	11:10
2000 E1	EMA00-30	E0000657	AMRO BP10 5/22	05/22/00	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	81	1	NA	%	NA	1								
2000 E1	EMA00-30	E0000657	AMRO BP10 5/22	05/22/00	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.53	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-18-00	0716SEMW	7/6/2000	7/18/2000	13:06
2000 E1	EMA00-30	E0000657D	AMRO BP10 5/22	05/22/00	Tissue	Lab Dupl	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.5	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-18-00	0716SEMW	7/6/2000	7/18/2000	13:09
2000 E1	EMA00-30	E0000658	NOFL DJ10 5/22	05/22/00	Tissue	Primary	Northern Flicker	Regional	7440-43-9	ICP - AES	Cadmium	-0.002	0.025	MDL	ug/g	Wet Wt	1				ICP_8-23-00B	0823CDMWB	8/23/2000	8/23/2000	11:12
2000 E1	EMA00-30	E0000658	NOFL DJ10 5/22	05/22/00	Tissue	Primary	Northern Flicker	Regional	NA	Gravimetric	Moisture Content	87	1	NA	%	NA	1								
2000 E1	EMA00-30	E0000658	NOFL DJ10 5/22	05/22/00	Tissue	Primary	Northern Flicker	Regional	7782-49-2	ICP, Hydride	Selenium	0.49	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-18-00	0716SEMW	7/6/2000	7/18/2000	13:11
2000 E1	EMA00-30	E0000658D	NOFL DJ10 5/22	05/22/00	Tissue	Lab Dupl	Northern Flicker	Regional	NA	Gravimetric	Moisture Content	87	1	NA	%	NA	1								

Event	UIASL Case #	UIASL Sample ID	Field Sample ID	Collection Date	Matrix	QC Type	Common Name	Spatial Relevance	CAS #	Method	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% Rec	QC Flag	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
2000 E1	EMA00-30	E0000659	BRBL AR18 5/18	05/18/00	Tissue	Primary	Brewer's Blackbird	Mine	7440-43-9	ICP - AES	Cadmium	-0.015	0.025	MDL	ug/g	Wet Wt	1				ICP_8-23-00B	0823CDMWB	8/23/2000	8/23/2000	11:14
2000 E1	EMA00-30	E0000659	BRBL AR18 5/18	05/18/00	Tissue	Primary	Brewer's Blackbird	Mine	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2000 E1	EMA00-30	E0000659	BRBL AR18 5/18	05/18/00	Tissue	Primary	Brewer's Blackbird	Mine	7782-49-2	ICP, Hydride	Selenium	0.81	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-18-00	0716SEMW	7/6/2000	7/18/2000	13:14
2000 E1	EMA00-30	E0000660	RWBL DJ03 5/17	05/17/00	Tissue	Primary	Red-Winged Blackbir	Background	7440-43-9	ICP - AES	Cadmium	-0.043	0.042	MDL	ug/g	Wet Wt	1				ICP_8-23-00B	0823CDMWB	8/23/2000	8/23/2000	11:17
2000 E1	EMA00-30	E0000660	RWBL DJ03 5/17	05/17/00	Tissue	Primary	Red-Winged Blackbir	Background	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2000 E1	EMA00-30	E0000660	RWBL DJ03 5/17	05/17/00	Tissue	Primary	Red-Winged Blackbir	Background	7782-49-2	ICP, Hydride	Selenium	0.77	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-18-00	0716SEMW	7/6/2000	7/18/2000	13:17
2000 E1	EMA00-30	E0000661	KILL AR19 5/17	05/17/00	Tissue	Primary	Killdeer	Regional	7440-43-9	ICP - AES	Cadmium	-0.025	0.025	MDL	ug/g	Wet Wt	1				ICP_8-23-00B	0823CDMWB	8/23/2000	8/23/2000	11:19
2000 E1	EMA00-30	E0000661	KILL AR19 5/17	05/17/00	Tissue	Primary	Killdeer	Regional	NA	Gravimetric	Moisture Content	72	1	NA	%	NA	1								
2000 E1	EMA00-30	E0000661	KILL AR19 5/17	05/17/00	Tissue	Primary	Killdeer	Regional	7782-49-2	ICP, Hydride	Selenium	1.4	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-18-00	0716SEMW	7/6/2000	7/18/2000	13:20
2000 E1	EMA00-30	E0000661D	KILL AR19 5/17	05/17/00	Tissue	Lab Dupl	Killdeer	Regional	7440-43-9	ICP - AES	Cadmium	-0.015	0.025	MDL	ug/g	Wet Wt	1				ICP_8-23-00B	0823CDMWB	8/23/2000	8/23/2000	11:21
2000 E1	EMA00-30	E0000662	MAWR DJ05 5/18	05/18/00	Tissue	Primary	Marsh Wren	Background	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	
2000 E1	EMA00-30	E0000662	MAWR DJ05 5/18	05/18/00	Tissue	Primary	Marsh Wren	Background	NA	Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
2000 E1	EMA00-30	E0000662	MAWR DJ05 5/18	05/18/00	Tissue	Primary	Marsh Wren	Background	7782-49-2	ICP, Hydride	Selenium	0.38	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-18-00	0716SEMW	7/6/2000	7/18/2000	13:29
2000 E1	EMA00-30	E0000663	KILL DJ06 5/18	05/18/00	Tissue	Primary	Killdeer	Background	7440-43-9	ICP - AES	Cadmium	-0.014	0.025	MDL	ug/g	Wet Wt	1				ICP_8-23-00B	0823CDMWB	8/23/2000	8/23/2000	11:24
2000 E1	EMA00-30	E0000663	KILL DJ06 5/18	05/18/00	Tissue	Primary	Killdeer	Background	NA	Gravimetric	Moisture Content	74	1	NA	%	NA	1								
2000 E1	EMA00-30	E0000663	KILL DJ06 5/18	05/18/00	Tissue	Primary	Killdeer	Background	7782-49-2	ICP, Hydride	Selenium	0.88	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-18-00	0716SEMW	7/6/2000	7/18/2000	13:32
2000 E1	EMA00-30	E0000663B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	-0.002	0.025	MDL	ug/g	Wet Wt	1				ICP_8-23-00B	0823CDMWB	8/23/2000	8/23/2000	11:28
2000 E1	EMA00-30	E0000663BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7440-43-9	ICP - AES	Cadmium	0.078	0.025	MDL	ug/g	Wet Wt	1	0.080	98		ICP_8-23-00B	0823CDMWB	8/23/2000	8/23/2000	11:31
2000 E1	EMA00-30	E0000663CS	Check Standard	NA	Lab QC	CCV	NA	NA	7440-43-9	ICP - AES	Cadmium	0.104	0.025	MDL	ug/g	Wet Wt	1	0.100	104		ICP_8-23-00B	0823CDMWB	8/23/2000	8/23/2000	11:26
2000 E1	EMA00-30	E0000663SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	54.700	0.025	MDL	ug/g	Wet Wt	1	54.3	101		ICP_8-23-00B	0823CDMWB	8/23/2000	8/23/2000	11:33
2000 E1	EMA00-30	E0000664-1	CAGO DJ07 5/19	05/19/00	Tissue	Triplicate	Canada Goose	Background	7440-43-9	ICP - AES	Cadmium	-0.022	0.025	MDL	ug/g	Wet Wt	1				ICP_8-23-00B	0823CDMWB	8/23/2000	8/23/2000	11:35
2000 E1	EMA00-30	E0000664-1	CAGO DJ07 5/19	05/19/00	Tissue	Triplicate	Canada Goose	Background	NA	Gravimetric	Moisture Content	66	1	NA	%	NA	1								
2000 E1	EMA00-30	E0000664-1	CAGO DJ07 5/19	05/19/00	Tissue	Triplicate	Canada Goose	Background	7782-49-2	ICP, Hydride	Selenium	0.68	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-18-00	0716SEMW	7/6/2000	7/18/2000	13:34
2000 E1	EMA00-30	E0000664-2	CAGO DJ07 5/19	05/19/00	Tissue	Triplicate	Canada Goose	Background	7440-43-9	ICP - AES	Cadmium	-0.021	0.025	MDL	ug/g	Wet Wt	1				ICP_8-23-00B	0823CDMWB	8/23/2000	8/23/2000	11:38
2000 E1	EMA00-30	E0000664-2	CAGO DJ07 5/19	05/19/00	Tissue	Triplicate	Canada Goose	Background	NA	Gravimetric	Moisture Content	66	1	NA	%	NA	1								
2000 E1	EMA00-30	E0000664-2	CAGO DJ07 5/19	05/19/00	Tissue	Triplicate	Canada Goose	Background	7782-49-2	ICP, Hydride	Selenium	0.68	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-18-00	0716SEMW	7/6/2000	7/18/2000	13:37
2000 E1	EMA00-30	E0000664-3	CAGO DJ07 5/19	05/19/00	Tissue	Triplicate	Canada Goose	Background	7440-43-9	ICP - AES	Cadmium	-0.011	0.025	MDL	ug/g	Wet Wt	1				ICP_8-23-00B	0823CDMWB	8/23/2000	8/23/2000	11:40
2000 E1	EMA00-30	E0000664-3	CAGO DJ07 5/19	05/19/00	Tissue	Triplicate	Canada Goose	Background	NA	Gravimetric	Moisture Content	66	1	NA	%	NA	1								
2000 E1	EMA00-30	E0000664-3	CAGO DJ07 5/19	05/19/00	Tissue	Triplicate	Canada Goose	Background	7782-49-2	ICP, Hydride	Selenium	0.7	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-18-00	0716SEMW	7/6/2000	7/18/2000	13:40
2000 E1	EMA00-30	E0000664B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.00133	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-18-00	0716SEMW	7/6/2000	7/18/2000	13:46
2000 E1	EMA00-30	E0000664BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0529	0.01	MDL	ug/g	Wet Wt	1	0.050	106		VGICP_7-18-00	0716SEMW	7/6/2000	7/18/2000	13:52
2000 E1	EMA00-30	E0000664CS	Check Standard	NA	Lab QC	CCV	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.304	0.01	MDL	ug/g	Wet Wt	1	0.300	101		VGICP_7-18-00	0716SEMW	7/6/2000	7/18/2000	13:49
2000 E1	EMA00-30	E0000664MS	CAGO DJ07 5/19	05/19/00	Tissue	MS	Canada Goose	NA	7440-43-9	ICP - AES	Cadmium	104	NA	NA	%				104		ICP_8-23-00B	0823CDMWB	8/23/2000	8/23/2000	11:42
2000 E1	EMA00-30	E0000664MS	CAGO DJ07 5/19	05/19/00	Tissue	MS	Canada Goose	NA	7782-49-2	ICP, Hydride	Selenium	103	NA	NA	%				103		VGICP_7-18-00	0716SEMW	7/6/2000	7/18/2000	13:43
2000 E1	EMA00-30	E0000664SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.421	0.01	MDL	ug/g	Wet Wt	1	0.446	94		VGICP_7-18-00	0716SEMW	7/6/2000	7/18/2000	13:55
2000 E1	EMA00-30	E0000665	SACR BP04 5/19	05/19/00	Tissue	Primary	Sandhill Crane	Background	7440-43-9	ICP - AES	Cadmium	-0.016	0.025	MDL	ug/g	Wet Wt	1				ICP_8-23-00B	0823CDMWB	8/23/2000	8/23/2000	11:45
2000 E1	EMA00-30	E0000665	SACR BP04 5/19	05/19/00	Tissue	Primary	Sandhill Crane	Background	NA	Gravimetric	Moisture Content	79	1	NA	%	NA	1								
2000 E1	EMA00-30	E0000665	SACR BP04 5/19	05/19/00	Tissue	Primary	Sandhill Crane	Background	7782-49-2	ICP, Hydride	Selenium	0.4	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-18-00	0716SEMW	7/6/2000	7/18/2000	13:57
2000 E1	EMA00-30	E0000665D	SACR BP04 5/19	05/19/00	Tissue	Lab Dupl	Sandhill Crane	Background	NA	Gravimetric	Moisture Content	79	1	NA	%	NA	1								
2000 E1	EMA00-30	E0000666	SACR BP05 5/19	05/19/00	Tissue	Primary	Sandhill Crane	Regional	7440-43-9	ICP - AES	Cadmium	-0.015	0.025	MDL	ug/g	Wet Wt	1				ICP_8-23-00B	0823CDMWB	8/23/2000	8/23/2000	11:47
2000 E1	EMA00-30	E0000666	SACR BP05 5/19	05/19/00	Tissue	Primary	Sandhill Crane	Regional	NA	Gravimetric	Moisture Content	74	1	NA	%	NA	1								
2000 E1	EMA00-30	E0000666	SACR BP05 5/19	05/19/00	Tissue	Primary	Sandhill Crane	Regional	7782-49-2	ICP, Hydride	Selenium	0.68	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-18-00	0716SEMW	7/6/2000	7/18/2000	14:00
2000 E1	EMA00-30	E0000667	RWBL BP06 5/20	05/20/00	Tissue	Primary	Red-Winged Blackbir	Mine	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	
2000 E1	EMA00-30	E0000667	RWBL BP06 5/20	05/20/00	Tissue	Primary	Red-Winged Blackbir	Mine	NA	Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
2000 E1	EMA00-30	E0000667	RWBL BP06 5/20	05/20/00	Tissue	Primary	Red-Winged Blackbir	Mine	7782-49-2	ICP, Hydride	Selenium	1.2	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-18-00	0716SEMW	7/6/2000	7/18/2000	14:03
2000 E1	EMA00-30	E0000667D	RWBL BP06 5/20	05/20/00	Tissue	Lab Dupl	Red-Winged Blackbir	Mine	7782-49-2	ICP, Hydride	Selenium	1.2	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-18-00	0716SEMW	7/6/2000	7/18/2000	14:06
2000 E1	EMA00-30	E0000668	NOFL BP08 5/21	05/21/00	Tissue	Primary	Northern Flicker	Background	7440-43-9	ICP - AES	Cadmium	-0.023	0.025	MDL	ug/g	Wet Wt	1				ICP_8-23-00B	0823CDMWB	8/23/2000	8/23/2000	11:49
2000 E1	EMA00-30	E0000668	NOFL BP08 5/21	05/21/00	Tissue	Primary	Northern Flicker	Background	NA	Gravimetric	Moisture Content	87	1	NA	%	NA	1								
2000 E1	EMA00-30	E0000668	NOFL BP08 5/21	05/21/00	Tissue	Primary	Northern Flicker	Background	7782-49-2	ICP, Hydride	Selenium	0.43	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-18-00	0716SEMW	7/6/2000	7/18/2000	14:09
2000 E1	EMA00-30	E0000668B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	0	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-18-00	0716SEMW	7/6/2000	7/18/2000	14:12
2000 E1	EMA00-30	E0000668BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0506	0.01	MDL	ug/g	Wet Wt	1	0.050	101		VGICP_7-18-00	0716SEMW	7/6/2000	7/18/2000	14:18
2000 E1	EMA00-30	E0000668CS	Check Standard	NA	Lab QC	CCV	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.301	0.01	MDL	ug/g	Wet Wt	1	0.300	100		VGICP_7-18-00	0716SEMW	7/6/2000	7/18/2000	14:15
2000 E1	EMA00-30	E0000668SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.406	0.01	MDL	ug/g	Wet Wt	1	0.446	91		VGICP_7-18-00	0716SEMW	7/6/2000	7/18/2000	14:21
2000 E1	EMA00-30	E0000669	SACR MH11 5/21	05/21/00	Tissue	Triplicate	Sandhill Crane	Background	7440-43-9	ICP - AES	Cadmium	-0.001	0.025	MDL	ug/g	Wet Wt	1				ICP_8-23-00B	0823CDMWB	8/23/2000	8/23/2000	11:52
2000 E1	EMA00-30	E0000669	SACR MH11 5/21	05/21/00	Tissue	Triplicate	Sandhill Crane	Background	NA	Gravimetric	Moisture Content	79	1	NA	%	NA	1								
2000 E1	EMA00-30	E0000669	SACR MH11 5/21	05/21/00	Tissue	Triplicate	Sandhill Crane	Background	7782-49-2	ICP, Hydride	Selenium	0.38	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-17-00	0717SEMW	7/6/2000	7/17/2000	11:36
2000 E1	EMA00-30	E0000669-2	SACR MH11 5/21	05/21/00	Tissue	Triplicate	Sandhill Crane	Background	7440-43-9	ICP - AES	Cadmium	-0.02	0.025	MDL	ug/g	Wet Wt	1				ICP_8-23-00B	0823CDMWB	8/23/2000	8/23/2000	11:54
2000 E1	EMA00-30	E0000669-2	SACR MH11 5/21	05/21/00	Tissue	Triplicate	Sandhill Crane	Background	NA	Gravimetric	Moisture Content	78	1	NA	%	NA	1								
2000 E1	EMA00-30	E0000669-2	SACR MH11 5/21	05/21/00	Tissue	Triplicate	Sandhill Crane	Background	7782-49-2	ICP, Hydride	Selenium	0.38	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-17-00	0717SEMW	7/6/2000	7/17/2000	11:39
2000 E1	EMA00-30	E0000669-3	SACR MH11 5/21	05/21/00	Tissue	Triplicate	Sandhill Crane	Background	7440-43-9	ICP - AES	Cadmium	-0.001	0.025	MDL	ug/g	Wet Wt	1				ICP_8-23-00B	0823CDMWB	8/23/2000	8/23/2000	11:57
2000 E1	EMA00-30	E0000669-3	SACR MH11 5/21	05/21/00	Tissue	Triplicate	Sandhill Crane	Background	NA	Gravimetric	Moisture Content	79	1	NA	%	NA	1								
2000 E1	EMA00-30	E0000669-3	SACR MH11 5/21	05/21/00	Tissue	Triplicate	Sandhill Crane	Background	7782-49-2	ICP, Hydride	Selenium	0.39	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-17-00	0717SEMW	7/6/2000	7/17/2000	11:42
2000 E1	EMA00-30	E0000669B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	0.000	0.025	MDL	ug/g	Wet Wt	1				ICP_8-21-00A	0821CDMW	8/21/2000	8/21/2000	14:03
2000 E1	EMA00-30	E0000669BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7440-43-9	ICP - AES	Cadmium	0.077	0.025	MDL	ug/g	Wet Wt	1	0.080	96		ICP_8-21-00A	0821CDMW	8/21/2000	8/21/2000	14:08
2000 E1	EMA00-30	E0000669CS	Check Standard	NA	Lab QC	CCV	NA	NA	7440-43-9	ICP - AES	Cadmium	0.102	0.025	MDL	ug/g	Wet Wt	1	0.100	102		ICP_8-21-00A	0821CDMW	8/21/2000	8/21/2000	14:05

Event	UIASL Case #	UIASL Sample ID	Field Sample ID	Collection Date	Matrix	QC Type	Common Name	Spatial Relevance	CAS #	Method	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% Rec	QC Flag	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
2000 E1	EMA00-30	E0000669MS	SACR MH11 5/21	05/21/00	Tissue	MS	Sandhill Crane	NA	7440-43-9	ICP - AES	Cadmium	98	NA	NA	%				98		ICP_8-23-00B	0823CDMWB	8/23/2000	8/23/2000	11:59
2000 E1	EMA00-30	E0000669MS	SACR MH11 5/21	05/21/00	Tissue	Triplicate	Sandhill Crane	Background	7782-49-2	ICP, Hydride	Selenium	107			%				107		VGICP_7-17-00	0717SEMW	7/6/2000	7/17/2000	11:45
2000 E1	EMA00-30	E0000669SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	51.000	54.400	MDL	ug/g	Wet Wt	1	54.3	94		ICP_8-21-00A	0821CDMW	8/21/2000	8/21/2000	14:10
2000 E1	EMA00-30	E0000669SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.359	0.01	MDL	ug/g	Wet Wt	1	0.446	80		VGICP_7-17-00	0717SEMW	7/6/2000	7/17/2000	11:33
2000 E1	EMA00-30	E0000670	NOFL MH12 5/21	05/21/00	Tissue	Primary	Northern Flicker	Background	7440-43-9	ICP - AES	Cadmium	-0.023	0.025	MDL	ug/g	Wet Wt	1				ICP_8-23-00B	0823CDMWB	8/23/2000	8/23/2000	12:01
2000 E1	EMA00-30	E0000670	NOFL MH12 5/21	05/21/00	Tissue	Primary	Northern Flicker	Background	NA	Gravimetric	Moisture Content	86	1	NA	%	NA	1								
2000 E1	EMA00-30	E0000670	NOFL MH12 5/21	05/21/00	Tissue	Primary	Northern Flicker	Background	7782-49-2	ICP, Hydride	Selenium	0.21	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-17-00	0717SEMW	7/6/2000	7/17/2000	11:48
2000 E1	EMA00-30	E0000670B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	-0.002	0.025	MDL	ug/g	Wet Wt	1				ICP_8-23-00B	0823CDMWB	8/23/2000	8/23/2000	12:13
2000 E1	EMA00-30	E0000670BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7440-43-9	ICP - AES	Cadmium	0.080	0.025	MDL	ug/g	Wet Wt	1	0.080	100		ICP_8-23-00B	0823CDMWB	8/23/2000	8/23/2000	12:08
2000 E1	EMA00-30	E0000670CS	Check Standard	NA	Lab QC	CCV	NA	NA	7440-43-9	ICP - AES	Cadmium	0.100	0.025	MDL	ug/g	Wet Wt	1	0.100	100		ICP_8-23-00B	0823CDMWB	8/23/2000	8/23/2000	12:10
2000 E1	EMA00-30	E0000670D	NOFL MH12 5/21	05/21/00	Tissue	Lab Dupl	Northern Flicker	Background	7440-43-9	ICP - AES	Cadmium	-0.023	0.025	MDL	ug/g	Wet Wt	1				ICP_8-23-00B	0823CDMWB	8/23/2000	8/23/2000	12:04
2000 E1	EMA00-30	E0000670SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	53.700	0.025	MDL	ug/g	Wet Wt	1	54.3	99		ICP_8-23-00B	0823CDMWB	8/23/2000	8/23/2000	12:06
2000 E1	EMA00-30	E0000671	AMRO DJ08 5/22	05/22/00	Tissue	Primary	American Robin	Regional	7440-43-9	ICP - AES	Cadmium	-0.003	0.025	MDL	ug/g	Wet Wt	1				ICP_8-22-00B	0822CDMWB	8/22/2000	8/22/2000	14:44
2000 E1	EMA00-30	E0000671	AMRO DJ08 5/22	05/22/00	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2000 E1	EMA00-30	E0000671	AMRO DJ08 5/22	05/22/00	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.57	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-17-00	0717SEMW	7/6/2000	7/17/2000	11:51
2000 E1	EMA00-30	E0000671B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	-0.002	0.025	MDL	ug/g	Wet Wt	1				ICP_8-22-00B	0822CDMWB	8/22/2000	8/22/2000	14:35
2000 E1	EMA00-30	E0000671BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7440-43-9	ICP - AES	Cadmium	0.076	0.025	MDL	ug/g	Wet Wt	1	0.080	95		ICP_8-22-00B	0822CDMWB	8/22/2000	8/22/2000	14:40
2000 E1	EMA00-30	E0000671CS	Check Standard	NA	Lab QC	CCV	NA	NA	7440-43-9	ICP - AES	Cadmium	0.100	0.025	MDL	ug/g	Wet Wt	1	0.100	100		ICP_8-22-00B	0822CDMWB	8/22/2000	8/22/2000	14:37
2000 E1	EMA00-30	E0000671SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	55.300	0.025	MDL	ug/g	Wet Wt	1	54.3	102		ICP_8-22-00B	0822CDMWB	8/22/2000	8/22/2000	11:42
2000 E1	EMA00-30	E0000672	BRBL DJ09 5/22	05/22/00	Tissue	Primary	Brewer's Blackbird	Regional	7440-43-9	ICP - AES	Cadmium	-0.043	0.1	MDL	ug/g	Wet Wt	1				ICP_8-22-00B	0822CDMWB	8/22/2000	8/22/2000	14:47
2000 E1	EMA00-30	E0000672	BRBL DJ09 5/22	05/22/00	Tissue	Primary	Brewer's Blackbird	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2000 E1	EMA00-30	E0000672	BRBL DJ09 5/22	05/22/00	Tissue	Primary	Brewer's Blackbird	Regional	7782-49-2	ICP, Hydride	Selenium	1.2	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-17-00	0717SEMW	7/6/2000	7/17/2000	11:54
2000 E1	EMA00-30	E0000673-1	SACR DJ11 5/22	05/22/00	Tissue	Triplicate	Sandhill Crane	Regional	7440-43-9	ICP - AES	Cadmium	-0.022	0.025	MDL	ug/g	Wet Wt	1				ICP_8-22-00B	0822CDMWB	8/22/2000	8/22/2000	14:49
2000 E1	EMA00-30	E0000673-1	SACR DJ11 5/22	05/22/00	Tissue	Triplicate	Sandhill Crane	Regional	NA	Gravimetric	Moisture Content	80	1	NA	%	NA	1								
2000 E1	EMA00-30	E0000673-1	SACR DJ11 5/22	05/22/00	Tissue	Triplicate	Sandhill Crane	Regional	7782-49-2	ICP, Hydride	Selenium	0.38	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-17-00	0717SEMW	7/6/2000	7/17/2000	11:57
2000 E1	EMA00-30	E0000673-2	SACR DJ11 5/22	05/22/00	Tissue	Triplicate	Sandhill Crane	Regional	7440-43-9	ICP - AES	Cadmium	0.002	0.025	MDL	ug/g	Wet Wt	1				ICP_8-22-00B	0822CDMWB	8/22/2000	8/22/2000	14:51
2000 E1	EMA00-30	E0000673-2	SACR DJ11 5/22	05/22/00	Tissue	Triplicate	Sandhill Crane	Regional	NA	Gravimetric	Moisture Content	81	1	NA	%	NA	1								
2000 E1	EMA00-30	E0000673-2	SACR DJ11 5/22	05/22/00	Tissue	Triplicate	Sandhill Crane	Regional	7782-49-2	ICP, Hydride	Selenium	0.4	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-17-00	0717SEMW	7/6/2000	7/17/2000	11:59
2000 E1	EMA00-30	E0000673-3	SACR DJ11 5/22	05/22/00	Tissue	Triplicate	Sandhill Crane	Regional	7440-43-9	ICP - AES	Cadmium	-0.016	0.025	MDL	ug/g	Wet Wt	1				ICP_8-22-00B	0822CDMWB	8/22/2000	8/22/2000	14:54
2000 E1	EMA00-30	E0000673-3	SACR DJ11 5/22	05/22/00	Tissue	Triplicate	Sandhill Crane	Regional	NA	Gravimetric	Moisture Content	80	1	NA	%	NA	1								
2000 E1	EMA00-30	E0000673-3	SACR DJ11 5/22	05/22/00	Tissue	Triplicate	Sandhill Crane	Regional	7782-49-2	ICP, Hydride	Selenium	0.39	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-17-00	0717SEMW	7/6/2000	7/17/2000	12:02
2000 E1	EMA00-30	E0000673MS	SACR DJ11 5/22	05/19/00	Tissue	MS	Sandhill Crane	NA	7440-43-9	ICP - AES	Cadmium	95	NA	NA	%				95		ICP_8-22-00B	0822CDMWB	8/22/2000	8/22/2000	14:56
2000 E1	EMA00-30	E0000673MS	SACR DJ11 5/22	05/22/00	Tissue	Triplicate	Sandhill Crane	Regional	7782-49-2	ICP, Hydride	Selenium	107			%				107		VGICP_7-17-00	0717SEMW	7/6/2000	7/17/2000	12:05
2000 E1	EMA00-30	E0000674	NOFL BP11 5/22	05/22/00	Tissue	Primary	Northern Flicker	Regional	7440-43-9	ICP - AES	Cadmium	-0.036	0.05	MDL	ug/g	Wet Wt	1				ICP_8-22-00B	0822CDMWB	8/22/2000	8/22/2000	14:59
2000 E1	EMA00-30	E0000674	NOFL BP11 5/22	05/22/00	Tissue	Primary	Northern Flicker	Regional	NA	Gravimetric	Moisture Content	86	1	NA	%	NA	1								
2000 E1	EMA00-30	E0000674	NOFL BP11 5/22	05/22/00	Tissue	Primary	Northern Flicker	Regional	7782-49-2	ICP, Hydride	Selenium	0.57	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-17-00	0717SEMW	7/6/2000	7/17/2000	12:08
2000 E1	EMA00-30	E0000674D	NOFL BP11 5/22	05/22/00	Tissue	Lab Dupl	Northern Flicker	Regional	7782-49-2	ICP, Hydride	Selenium	0.54	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-17-00	0717SEMW	7/6/2000	7/17/2000	12:11
2000 E1	EMA00-30	E0000675	RWBL DJ12 5/23	05/23/00	Tissue	Primary	Red-Winged Blackbird	Background	7440-43-9	ICP - AES	Cadmium	-0.016	0.05	MDL	ug/g	Wet Wt	1				ICP_8-22-00B	0822CDMWB	8/22/2000	8/22/2000	15:01
2000 E1	EMA00-30	E0000675	RWBL DJ12 5/23	05/23/00	Tissue	Primary	Red-Winged Blackbird	Background	NA	Gravimetric	Moisture Content	56	1	NA	%	NA	1								
2000 E1	EMA00-30	E0000675	RWBL DJ12 5/23	05/23/00	Tissue	Primary	Red-Winged Blackbird	Background	7782-49-2	ICP, Hydride	Selenium	0.8	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-17-00	0717SEMW	7/6/2000	7/17/2000	12:14
2000 E1	EMA00-30	E0000676	RWBL DJ13 5/23	05/23/00	Tissue	Primary	Red-Winged Blackbird	Background	7440-43-9	ICP - AES	Cadmium	-0.004	0.05	MDL	ug/g	Wet Wt	1				ICP_8-22-00B	0822CDMWB	8/22/2000	8/22/2000	15:03
2000 E1	EMA00-30	E0000676	RWBL DJ13 5/23	05/23/00	Tissue	Primary	Red-Winged Blackbird	Background	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2000 E1	EMA00-30	E0000676	RWBL DJ13 5/23	05/23/00	Tissue	Primary	Red-Winged Blackbird	Background	7782-49-2	ICP, Hydride	Selenium	0.94	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-17-00	0717SEMW	7/6/2000	7/17/2000	12:16
2000 E1	EMA00-30	E0000676B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	-0.002	0.025	MDL	ug/g	Wet Wt	1				ICP_8-22-00B	0822CDMWB	8/22/2000	8/22/2000	15:08
2000 E1	EMA00-30	E0000676BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7440-43-9	ICP - AES	Cadmium	0.075	0.025	MDL	ug/g	Wet Wt	1	0.080	94		ICP_8-22-00B	0822CDMWB	8/22/2000	8/22/2000	15:10
2000 E1	EMA00-30	E0000676CS	Check Standard	NA	Lab QC	CCV	NA	NA	7440-43-9	ICP - AES	Cadmium	0.101	0.025	MDL	ug/g	Wet Wt	1	0.100	101		ICP_8-22-00B	0822CDMWB	8/22/2000	8/22/2000	15:05
2000 E1	EMA00-30	E0000676SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	54.000	0.025	MDL	ug/g	Wet Wt	1	54.3	99		ICP_8-22-00B	0822CDMWB	8/22/2000	8/22/2000	15:12
2000 E1	EMA00-33	E0000685	MAWR BP21 5/27	05/27/00	Tissue	Primary	Marsh Wren	Regional	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EMA00-33	E0000685	MAWR BP21 5/27	05/27/00	Tissue	Primary	Marsh Wren	Regional	NA	Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
2000 E1	EMA00-33	E0000685	MAWR BP21 5/27	05/27/00	Tissue	Primary	Marsh Wren	Regional	7782-49-2	ICP, Hydride	Selenium	1	0.012	MDL	ug/g	Wet Wt	1				VGICP_7-17-00	0717SEMW	7/6/2000	7/17/2000	12:19
2000 E1	EMA00-33	E0000686	AMRO AR22 5/24	05/24/00	Tissue	Primary	American Robin	Regional	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EMA00-33	E0000686	AMRO AR22 5/24	05/24/00	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
2000 E1	EMA00-33	E0000686	AMRO AR22 5/24	05/24/00	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.55	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-17-00	0717SEMW	7/6/2000	7/17/2000	12:22
2000 E1	EMA00-33	E0000686B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium		0.01	MDL	ug/g	Wet Wt	1				VGICP_7-17-00	0717SEMW	7/6/2000	7/17/2000	12:28
2000 E1	EMA00-33	E0000686BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0503	0.01	MDL	ug/g	Wet Wt	1	0.050	101		VGICP_7-17-00	0717SEMW	7/6/2000	7/17/2000	12:34
2000 E1	EMA00-33	E0000686CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0512	0.01	MDL	ug/g	Wet Wt	1	0.050	102		VGICP_7-17-00	0717SEMW	7/6/2000	7/17/2000	12:31
2000 E1	EMA00-33	E0000686D	AMRO AR22 5/24	05/24/00	Tissue	Lab Dupl	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.54	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-17-00	0717SEMW	7/6/2000	7/17/2000	12:25
2000 E1	EMA00-33	E0000686SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.444	0.01	MDL	ug/g	Wet Wt	1	0.446	100		VGICP_7-17-00	0717SEMW	7/6/2000	7/17/2000	12:55
2000 E1	EMA00-33	E0000687	MALL BP12 5/24	05/24/00	Tissue	Triplicate	Mallard	Regional	7440-43-9	ICP - AES	Cadmium	-0.005	0.025	MDL	ug/g	Wet Wt	1				ICP_8-22-00B	0822CDMWB	8/22/2000	8/22/2000	15:15
2000 E1	EMA00-33	E0000687	MALL BP12 5/24	05/24/00	Tissue	Triplicate	Mallard	Regional	NA	Gravimetric	Moisture Content	69	1	NA	%	NA	1								
2000 E1	EMA00-33	E0000687	MALL BP12 5/24	05/24/00	Tissue	Triplicate	Mallard	Regional	7782-49-2	ICP, Hydride	Selenium	0.48	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-19-2000	0719SEHC	7/10/2000	7/19/2000	16:13
2000 E1	EMA00-33	E0000687-2	MALL BP12 5/24	05/24/00	Tissue	Triplicate	Mallard	Regional	7440-43-9	ICP - AES	Cadmium	-0.008	0.025	MDL	ug/g	Wet Wt	1				ICP_8-22-00B	0822CDMWB	8/22/2000	8/22/2000	15:17
2000 E1	EMA00-33	E0000687-2	MALL BP12 5/24	05/24/00	Tissue	Triplicate	Mallard	Regional	NA	Gravimetric	Moisture Content	69	1	NA	%	NA	1								
2000 E1	EMA00-33	E0000687-2	MALL BP12 5/24	05/24/00	Tissue	Triplicate	Mallard	Regional	7782-49-2	ICP, Hydride	Selenium	0.48	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-19-2000	0719SEHC	7/10/2000	7/19/2000	16:15
2000 E1	EMA00-33	E0000687-3	MALL BP12 5/24	05/24/00	Tissue	Triplicate	Mallard	Regional	7440-43-9	ICP - AES	Cadmium	-0.013	0.025	MDL	ug/g	Wet Wt	1				ICP_8-22-00B	0822CDMWB	8/22/2000	8/22/2000	15:19

Event	UIASL Case #	UIASL Sample ID	Field Sample ID	Collection Date	Matrix	QC Type	Common Name	Spatial Relevance	CAS #	Method	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% Rec	QC Flag	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
2000 E1	EMA00-33	E0000687-3	MALL BP12 5/24	05/24/00	Tissue	Triplicate	Mallard	Regional	NA	Gravimetric	Moisture Content	69	1	NA	%	NA	1								
2000 E1	EMA00-33	E0000687-3	MALL BP12 5/24	05/24/00	Tissue	Triplicate	Mallard	Regional	7782-49-2	ICP, Hydride	Selenium	0.48	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-19-2000	0719SEHC	7/10/2000	7/19/2000	16:18
2000 E1	EMA00-33	E0000687B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	0	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-19-2000	0719SEHC	7/10/2000	7/19/2000	16:03
2000 E1	EMA00-33	E0000687BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.054	0.01	MDL	ug/g	Wet Wt	1	0.050	108		VGICP_7-19-2000	0719SEHC	7/10/2000	7/19/2000	16:08
2000 E1	EMA00-33	E0000687CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.051	0.01	MDL	ug/g	Wet Wt	1	0.050	102		VGICP_7-19-2000	0719SEHC	7/10/2000	7/19/2000	16:05
2000 E1	EMA00-33	E0000687MS	MALL BP12 5/24	05/19/00	Tissue	MS	Mallard	NA	7440-43-9	ICP - AES	Cadmium	106	NA	NA	%				106		ICP_8-22-00B	0822CDMWB	8/22/2000	8/22/2000	15:22
2000 E1	EMA00-33	E0000687MS	MALL BP12 5/24	05/24/00	Tissue	MS	Mallard	NA	7782-49-2	ICP, Hydride	Selenium	96	NA	NA	%				96		VGICP_7-19-2000	0719SEHC	7/10/2000	7/19/2000	16:20
2000 E1	EMA00-33	E0000687SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.493	0.01	MDL	ug/g	Wet Wt	1	0.446	111		VGICP_7-19-2000	0719SEHC	7/10/2000	7/19/2000	16:10
2000 E1	EMA00-33	E0000688	YHBL MH15 5/25	05/25/00	Tissue	Primary	ellow Headed Blackbi	Regional	7440-43-9	ICP - AES	Cadmium	-0.028	0.025	MDL	ug/g	Wet Wt	1				ICP_8-22-00B	0822CDMWB	8/22/2000	8/22/2000	15:24
2000 E1	EMA00-33	E0000688	YHBL MH15 5/25	05/25/00	Tissue	Primary	ellow Headed Blackbi	Regional	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2000 E1	EMA00-33	E0000688	YHBL MH15 5/25	05/25/00	Tissue	Primary	ellow Headed Blackbi	Regional	7782-49-2	ICP, Hydride	Selenium	0.56	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-19-2000	0719SEHC	7/10/2000	7/19/2000	16:24
2000 E1	EMA00-33	E0000689	AMRO HR26 5/24	05/24/00	Tissue	Primary	American Robin	Regional	7440-43-9	ICP - AES	Cadmium	0.001	0.025	MDL	ug/g	Wet Wt	1				ICP_8-22-00B	0822CDMWB	8/22/2000	8/22/2000	15:27
2000 E1	EMA00-33	E0000689	AMRO HR26 5/24	05/24/00	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2000 E1	EMA00-33	E0000689	AMRO HR26 5/24	05/24/00	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	1.6	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-19-2000	0719SEHC	7/10/2000	7/19/2000	16:26
2000 E1	EMA00-33	E0000690	CITE MH17 5/25	05/25/00	Tissue	Primary	Cinnamon Teal	Regional	7440-43-9	ICP - AES	Cadmium	-0.03	0.025	MDL	ug/g	Wet Wt	1				ICP_8-22-00B	0822CDMWB	8/22/2000	8/22/2000	15:29
2000 E1	EMA00-33	E0000690	CITE MH17 5/25	05/25/00	Tissue	Primary	Cinnamon Teal	Regional	NA	Gravimetric	Moisture Content	76	1	NA	%	NA	1								
2000 E1	EMA00-33	E0000690	CITE MH17 5/25	05/25/00	Tissue	Primary	Cinnamon Teal	Regional	7782-49-2	ICP, Hydride	Selenium	0.44	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-19-2000	0719SEHC	7/10/2000	7/19/2000	16:29
2000 E1	EMA00-33	E0000690D	CITE MH17 5/25	05/25/00	Tissue	Lab Dupl	Cinnamon Teal	Regional	7440-43-9	ICP - AES	Cadmium	-0.009	0.025	MDL	ug/g	Wet Wt	1				ICP_8-22-00B	0822CDMWB	8/22/2000	8/22/2000	15:31
2000 E1	EMA00-33	E0000690D	CITE MH17 5/25	05/25/00	Tissue	Lab Dupl	Cinnamon Teal	Regional	NA	Gravimetric	Moisture Content	75	1	NA	%	NA	1								
2000 E1	EMA00-33	E0000690D	CITE MH17 5/25	05/25/00	Tissue	Lab Dupl	Cinnamon Teal	Regional	7782-49-2	ICP, Hydride	Selenium	0.44	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-19-2000	0719SEHC	7/10/2000	7/19/2000	16:32
2000 E1	EMA00-33	E0000691	RWBL MH08 5/20	05/20/00	Tissue	Primary	Red-Winged Blackbir	Regional	7440-43-9	ICP - AES	Cadmium	-0.01	0.025	MDL	ug/g	Wet Wt	1				ICP_8-22-00B	0822CDMWB	8/22/2000	8/22/2000	15:34
2000 E1	EMA00-33	E0000691	RWBL MH08 5/20	05/20/00	Tissue	Primary	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2000 E1	EMA00-33	E0000691	RWBL MH08 5/20	05/20/00	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	1	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-19-2000	0719SEHC	7/10/2000	7/19/2000	16:34
2000 E1	EMA00-33	E0000691B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	0	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-19-2000	0719SEHC	7/10/2000	7/19/2000	16:40
2000 E1	EMA00-33	E0000691BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.055	0.01	MDL	ug/g	Wet Wt	1	0.050	110		VGICP_7-19-2000	0719SEHC	7/10/2000	7/19/2000	16:42
2000 E1	EMA00-33	E0000691CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.051	0.01	MDL	ug/g	Wet Wt	1	0.050	102		VGICP_7-19-2000	0719SEHC	7/10/2000	7/19/2000	16:37
2000 E1	EMA00-33	E0000691SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.497	0.01	MDL	ug/g	Wet Wt	1	0.446	111		VGICP_7-19-2000	0719SEHC	7/10/2000	7/19/2000	16:45
2000 E1	EMA00-33	E0000692	EUST BP09 5/21	05/21/00	Tissue	Primary	European Starling	Regional	7440-43-9	ICP - AES	Cadmium	-0.046	0.03	MDL	ug/g	Wet Wt	1				ICP_8-22-00B	0822CDMWB	8/22/2000	8/22/2000	15:36
2000 E1	EMA00-33	E0000692	EUST BP09 5/21	05/21/00	Tissue	Primary	European Starling	Regional	NA	Gravimetric	Moisture Content	81	1	NA	%	NA	1								
2000 E1	EMA00-33	E0000692	EUST BP09 5/21	05/21/00	Tissue	Primary	European Starling	Regional	7782-49-2	ICP, Hydride	Selenium	0.57	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-19-2000	0719SEHC	7/10/2000	7/19/2000	16:47
2000 E1	EMA00-33	E0000693	RWBL MH10 5/20	05/20/00	Tissue	Primary	Red-Winged Blackbir	Regional	7440-43-9	ICP - AES	Cadmium	-0.022	0.03	MDL	ug/g	Wet Wt	1				ICP_8-22-00B	0822CDMWB	8/22/2000	8/22/2000	15:38
2000 E1	EMA00-33	E0000693	RWBL MH10 5/20	05/20/00	Tissue	Primary	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2000 E1	EMA00-33	E0000693	RWBL MH10 5/20	05/20/00	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	3.6	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-19-2000	0719SEHC	7/10/2000	7/19/2000	16:53
2000 E1	EMA00-33	E0000694	YHBL BP14 5/25	05/25/00	Tissue	Primary	ellow Headed Blackbi	Regional	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EMA00-33	E0000694	YHBL BP14 5/25	05/25/00	Tissue	Primary	ellow Headed Blackbi	Regional	NA	Gravimetric	Moisture Content	89	1	NA	%	NA	1								
2000 E1	EMA00-33	E0000694	YHBL BP14 5/25	05/25/00	Tissue	Primary	ellow Headed Blackbi	Regional	7782-49-2	ICP, Hydride	Selenium	0.34	0.012	MDL	ug/g	Wet Wt	1				VGICP_7-19-2000	0719SEHC	7/10/2000	7/19/2000	16:55
2000 E1	EMA00-33	E0000695	YHBL BP15 5/25	05/25/00	Tissue	Primary	ellow Headed Blackbi	Regional	7440-43-9	ICP - AES	Cadmium	-0.005	0.025	MDL	ug/g	Wet Wt	1				ICP_8-22-00B	0822CDMWB	8/22/2000	8/22/2000	15:41
2000 E1	EMA00-33	E0000695	YHBL BP15 5/25	05/25/00	Tissue	Primary	ellow Headed Blackbi	Regional	NA	Gravimetric	Moisture Content	85	1	NA	%	NA	1								
2000 E1	EMA00-33	E0000695	YHBL BP15 5/25	05/25/00	Tissue	Primary	ellow Headed Blackbi	Regional	7782-49-2	ICP, Hydride	Selenium	0.32	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-19-2000	0719SEHC	7/10/2000	7/19/2000	16:58
2000 E1	EMA00-33	E0000696	NOFL DJ14 5/24	05/24/00	Tissue	Primary	Northern Flicker	Regional	7440-43-9	ICP - AES	Cadmium	-0.009	0.025	MDL	ug/g	Wet Wt	1				ICP_8-22-00B	0822CDMWB	8/22/2000	8/22/2000	15:43
2000 E1	EMA00-33	E0000696	NOFL DJ14 5/24	05/24/00	Tissue	Primary	Northern Flicker	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2000 E1	EMA00-33	E0000696	NOFL DJ14 5/24	05/24/00	Tissue	Primary	Northern Flicker	Regional	7782-49-2	ICP, Hydride	Selenium	1	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-19-2000	0719SEHC	7/10/2000	7/19/2000	17:01
2000 E1	EMA00-33	E0000696B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	-0.001	0.025	MDL	ug/g	Wet Wt	1				ICP_8-22-00B	0822CDMWB	8/22/2000	8/22/2000	15:52
2000 E1	EMA00-33	E0000696BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7440-43-9	ICP - AES	Cadmium	0.078	0.025	MDL	ug/g	Wet Wt	1	0.080	98		ICP_8-22-00B	0822CDMWB	8/22/2000	8/22/2000	15:48
2000 E1	EMA00-33	E0000696CS	Check Standard	NA	Lab QC	CCV	NA	NA	7440-43-9	ICP - AES	Cadmium	0.102	0.025	MDL	ug/g	Wet Wt	1	0.100	102		ICP_8-22-00B	0822CDMWB	8/22/2000	8/22/2000	15:50
2000 E1	EMA00-33	E0000696SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	53.100	0.025	MDL	ug/g	Wet Wt	1	54.3	98		ICP_8-22-00B	0822CDMWB	8/22/2000	8/22/2000	15:45
2000 E1	EMA00-33	E0000697	HOWR BP65	05/25/00	Tissue	Primary	House Wren	Regional	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EMA00-33	E0000697	HOWR DJ15 5/25	05/25/00	Tissue	Primary	House Wren	Regional	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2000 E1	EMA00-33	E0000697	HOWR DJ15 5/25	05/25/00	Tissue	Primary	House Wren	Regional	7782-49-2	ICP, Hydride	Selenium	0.44	0.02	MDL	ug/g	Wet Wt	1				VGICP_7-19-2000	0719SEHC	7/10/2000	7/19/2000	17:04
2000 E1	EMA00-33	E0000698	AMRO AR37 5/24	05/24/00	Tissue	Primary	American Robin	Regional	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EMA00-33	E0000698	AMRO AR37 5/24	05/24/00	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	81	1	NA	%	NA	1								
2000 E1	EMA00-33	E0000698	AMRO AR37 5/24	05/24/00	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.45	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-19-2000	0719SEHC	7/10/2000	7/19/2000	17:06
2000 E1	EMA00-33	E0000699	AMRO AR35 5/24	05/24/00	Tissue	Primary	American Robin	Regional	7440-43-9	ICP - AES	Cadmium	0.000	0.042	MDL	ug/g	Wet Wt	1				ICP_8-21-00A	0821CDMW	8/21/2000	8/21/2000	14:12
2000 E1	EMA00-33	E0000699	AMRO AR35 5/24	05/24/00	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2000 E1	EMA00-33	E0000699	AMRO AR35 5/24	05/24/00	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.65	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-19-2000	0719SEHC	7/10/2000	7/19/2000	17:09
2000 E1	EMA00-33	E0000699B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	0.000	0.025	MDL	ug/g	Wet Wt	1				ICP_8-21-00A	0821CDMW	8/21/2000	8/21/2000	14:03
2000 E1	EMA00-33	E0000699BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7440-43-9	ICP - AES	Cadmium	0.077	0.025	MDL	ug/g	Wet Wt	1	0.080	96		ICP_8-21-00A	0821CDMW	8/21/2000	8/21/2000	14:08
2000 E1	EMA00-33	E0000699CS	Check Standard	NA	Lab QC	CCV	NA	NA	7440-43-9	ICP - AES	Cadmium	0.102	0.025	MDL	ug/g	Wet Wt	1	0.100	102		ICP_8-21-00A	0821CDMW	8/21/2000	8/21/2000	14:05
2000 E1	EMA00-33	E0000699SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	54.400	0.025	MDL	ug/g	Wet Wt	1	54.3	100		ICP_8-21-00A	0821CDMW	8/21/2000	8/21/2000	14:10
2000 E1	EMA00-33	E0000700	MAWR MH19 5/27	05/27/00	Tissue	Primary	Marsh Wren	Regional	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EMA00-33	E0000700	MAWR MH19 5/27	05/27/00	Tissue	Primary	Marsh Wren	Regional	NA	Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
2000 E1	EMA00-33	E0000700	MAWR MH19 5/27	05/27/00	Tissue	Primary	Marsh Wren	Regional	7782-49-2	ICP, Hydride	Selenium	1.1	0.02	MDL	ug/g	Wet Wt	1				VGICP_7-19-2000	0719SEHC	7/10/2000	7/19/2000	17:11
2000 E1	EMA00-33	E0000701	YHBL BP23 5/28	05/28/00	Tissue	Primary	ellow Headed Blackbi	Regional	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EMA00-33	E0000701	YHBL BP23 5/28	05/28/00	Tissue	Primary	ellow Headed Blackbi	Regional	NA	Gravimetric	Moisture Content	85	1	NA	%	NA	1								
2000 E1	EMA00-33	E0000701	YHBL BP23 5/28	05/28/00	Tissue	Primary	ellow Headed Blackbi	Regional	7782-49-2	ICP, Hydride	Selenium	0.89	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-19-2000	0719SEHC	7/10/2000	7/19/2000	17:14

Event	UIASL Case #	UIASL Sample ID	Field Sample ID	Collection Date	Matrix	QC Type	Common Name	Spatial Relevance	CAS #	Method	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% Rec	QC Flag	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
2000 E1	EMA00-33	E0000701BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.054	0.01	MDL	ug/g	Wet Wt	1	0.050	108		VGICP_7-19-2000	0719SEHC	7/10/2000	7/19/2000	17:24
2000 E1	EMA00-33	E0000701BS	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	0	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-19-2000	0719SEHC	7/10/2000	7/19/2000	17:26
2000 E1	EMA00-33	E0000701CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.052	0.01	MDL	ug/g	Wet Wt	1	0.050	104		VGICP_7-19-2000	0719SEHC	7/10/2000	7/19/2000	17:29
2000 E1	EMA00-33	E0000701D	YHBL BP23 5/28	05/28/00	Tissue	Lab Dupl	llow Headed Blackbi	Regional	7782-49-2	ICP, Hydride	Selenium	0.89	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-19-2000	0719SEHC	7/10/2000	7/19/2000	17:16
2000 E1	EMA00-33	E0000701SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.525	0.01	MDL	ug/g	Wet Wt	1	0.446	118		VGICP_7-19-2000	0719SEHC	7/10/2000	7/19/2000	17:19
2000 E1	EMA00-33	E0000702	AMRO DJ16 5/26	05/26/00	Tissue	Primary	American Robin	Regional	7440-43-9	ICP - AES	Cadmium	-0.08	0.1	MDL	ug/g	Wet Wt	1				ICP_8-21-00A	0821CDMW	8/21/2000	8/21/2000	14:15
2000 E1	EMA00-33	E0000702	AMRO DJ16 5/26	05/26/00	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2000 E1	EMA00-33	E0000702	AMRO DJ16 5/26	05/26/00	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.48	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-18-00	0710SEMW	7/10/2000	7/18/2000	9:58
2000 E1	EMA00-33	E0000702S1	TORT2	NA	Tissue	SRM	NA	NA	7782-49-2	ICP, Hydride	Selenium	5.55	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-18-00	0710SEMW	7/10/2000	7/18/2000	9:52
2000 E1	EMA00-33	E0000702SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.401	0.01	MDL	ug/g	Wet Wt	1	0.446	90		VGICP_7-18-00	0710SEMW	7/10/2000	7/18/2000	9:55
2000 E1	EMA00-33	E0000703	AMRO BP13 5/24	05/24/00	Tissue	Primary	American Robin	Regional	7440-43-9	ICP - AES	Cadmium	-0.209	0.1	MDL	ug/g	Wet Wt	1				ICP_8-21-00A	0821CDMW	8/21/2000	8/21/2000	14:17
2000 E1	EMA00-33	E0000703	AMRO BP13 5/24	05/24/00	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2000 E1	EMA00-33	E0000703	AMRO BP13 5/24	05/24/00	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.44	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-18-00	0710SEMW	7/10/2000	7/18/2000	10:02
2000 E1	EMA00-33	E0000703D	AMRO BP13 5/24	05/24/00	Tissue	Lab Dupl	American Robin	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2000 E1	EMA00-33	E0000704	CITE MH14 5/25	05/25/00	Tissue	Primary	Cinnamon Teal	Regional	7440-43-9	ICP - AES	Cadmium	-0.019	0.025	MDL	ug/g	Wet Wt	1				ICP_8-21-00A	0821CDMW	8/21/2000	8/21/2000	14:19
2000 E1	EMA00-33	E0000704	CITE MH14 5/25	05/25/00	Tissue	Primary	Cinnamon Teal	Regional	NA	Gravimetric	Moisture Content	71	1	NA	%	NA	1								
2000 E1	EMA00-33	E0000704	CITE MH14 5/25	05/25/00	Tissue	Primary	Cinnamon Teal	Regional	7782-49-2	ICP, Hydride	Selenium	0.49	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-18-00	0710SEMW	7/10/2000	7/18/2000	10:05
2000 E1	EMA00-33	E0000704D	CITE MH14 5/25	05/25/00	Tissue	Lab Dupl	Cinnamon Teal	Regional	NA	Gravimetric	Moisture Content	76	1	NA	%	NA	1								
2000 E1	EMA00-33	E0000704D	CITE MH14 5/25	05/25/00	Tissue	Lab Dupl	Cinnamon Teal	Regional	7782-49-2	ICP, Hydride	Selenium	0.5	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-18-00	0710SEMW	7/10/2000	7/18/2000	10:08
2000 E1	EMA00-33	E0000705	AMKE MH18 5/26	05/26/00	Tissue	Primary	American Kestrel	Regional	7440-43-9	ICP - AES	Cadmium	-0.001	0.025	MDL	ug/g	Wet Wt	1				ICP_8-21-00A	0821CDMW	8/21/2000	8/21/2000	14:22
2000 E1	EMA00-33	E0000705	AMKE MH18 5/26	05/26/00	Tissue	Primary	American Kestrel	Regional	NA	Gravimetric	Moisture Content	81	1	NA	%	NA	1								
2000 E1	EMA00-33	E0000705	AMKE MH18 5/26	05/26/00	Tissue	Primary	American Kestrel	Regional	7782-49-2	ICP, Hydride	Selenium	0.5	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-18-00	0710SEMW	7/10/2000	7/18/2000	10:11
2000 E1	EMA00-33	E0000705D	AMKE MH18 5/26	05/26/00	Tissue	Lab Dupl	American Kestrel	Regional	7440-43-9	ICP - AES	Cadmium	-0.027	0.025	MDL	ug/g	Wet Wt	1				ICP_8-21-00A	0821CDMW	8/21/2000	8/21/2000	14:24
2000 E1	EMA00-33	E0000706	SOSP BP20 5/27	05/27/00	Tissue	Primary	Song Sparrow	Regional	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EMA00-33	E0000706	SOSP BP20 5/27	05/27/00	Tissue	Primary	Song Sparrow	Regional	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2000 E1	EMA00-33	E0000706	SOSP BP20 5/27	05/27/00	Tissue	Primary	Song Sparrow	Regional	7782-49-2	ICP, Hydride	Selenium	0.81	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-18-00	0710SEMW	7/10/2000	7/18/2000	10:14
2000 E1	EMA00-33	E0000707	YHBL MH16 5/25	05/25/00	Tissue	Primary	llow Headed Blackbi	Regional	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EMA00-33	E0000707	YHBL MH16 5/25	05/25/00	Tissue	Primary	llow Headed Blackbi	Regional	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2000 E1	EMA00-33	E0000707	YHBL MH16 5/25	05/25/00	Tissue	Primary	llow Headed Blackbi	Regional	7782-49-2	ICP, Hydride	Selenium	0.39	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-18-00	0710SEMW	7/10/2000	7/18/2000	10:17
2000 E1	EMA00-33	E0000708	AMRO DJ17 5/26	05/26/00	Tissue	Primary	American Robin	Regional	7440-43-9	ICP - AES	Cadmium	-0.147	0.1	MDL	ug/g	Wet Wt	1				ICP_8-21-00A	0821CDMW	8/21/2000	8/21/2000	14:27
2000 E1	EMA00-33	E0000708	AMRO DJ17 5/26	05/26/00	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2000 E1	EMA00-33	E0000708	AMRO DJ17 5/26	05/26/00	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.56	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-18-00	0710SEMW	7/10/2000	7/18/2000	10:19
2000 E1	EMA00-33	E0000709	SOSP DJ18 5/26	05/26/00	Tissue	Primary	Song Sparrow	Regional	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EMA00-33	E0000709	SOSP DJ18 5/26	05/26/00	Tissue	Primary	Song Sparrow	Regional	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2000 E1	EMA00-33	E0000709	SOSP DJ18 5/26	05/26/00	Tissue	Primary	Song Sparrow	Regional	7782-49-2	ICP, Hydride	Selenium	0.57	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-18-00	0710SEMW	7/10/2000	7/18/2000	10:22
2000 E1	EMA00-33	E0000710	SACR MH13 5/24	05/24/00	Tissue	Triplicate	Sandhill Crane	Regional	7440-43-9	ICP - AES	Cadmium	0.007	0.025	MDL	ug/g	Wet Wt	1				ICP_9-1-00C	0901CDMWC	9/1/2000	9/1/2000	15:36
2000 E1	EMA00-33	E0000710	SACR MH13 5/24	05/24/00	Tissue	Triplicate	Sandhill Crane	Regional	NA	Gravimetric	Moisture Content	79	1	NA	%	NA	1								
2000 E1	EMA00-33	E0000710	SACR MH13 5/24	05/24/00	Tissue	Triplicate	Sandhill Crane	Regional	7782-49-2	ICP, Hydride	Selenium	0.27	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-18-00	0710SEMW	7/10/2000	7/18/2000	10:25
2000 E1	EMA00-33	E0000710-2	SACR MH13 5/24	05/24/00	Tissue	Triplicate	Sandhill Crane	Regional	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EMA00-33	E0000710-2	SACR MH13 5/24	05/24/00	Tissue	Triplicate	Sandhill Crane	Regional	NA	Gravimetric	Moisture Content	79	1	NA	%	NA	1								
2000 E1	EMA00-33	E0000710-2	SACR MH13 5/24	05/24/00	Tissue	Triplicate	Sandhill Crane	Regional	7782-49-2	ICP, Hydride	Selenium	0.27	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-18-00	0710SEMW	7/10/2000	7/18/2000	10:28
2000 E1	EMA00-33	E0000710-3	SACR MH13 5/24	05/24/00	Tissue	Triplicate	Sandhill Crane	Regional	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EMA00-33	E0000710-3	SACR MH13 5/24	05/24/00	Tissue	Triplicate	Sandhill Crane	Regional	NA	Gravimetric	Moisture Content	79	1	NA	%	NA	1								
2000 E1	EMA00-33	E0000710-3	SACR MH13 5/24	05/24/00	Tissue	Triplicate	Sandhill Crane	Regional	7782-49-2	ICP, Hydride	Selenium	0.26	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-18-00	0710SEMW	7/10/2000	7/18/2000	10:31
2000 E1	EMA00-33	E0000710B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	0.002	0.025	MDL	ug/g	Wet Wt	1				ICP_9-1-00C	0901CDMWC	9/1/2000	9/1/2000	15:27
2000 E1	EMA00-33	E0000710B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.00157	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-18-00	0710SEMW	7/10/2000	7/18/2000	10:36
2000 E1	EMA00-33	E0000710BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7440-43-9	ICP - AES	Cadmium	0.081	0.025	MDL	ug/g	Wet Wt	1	0.080	101		ICP_9-1-00C	0901CDMWC	9/1/2000	9/1/2000	15:32
2000 E1	EMA00-33	E0000710BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0504	0.01	MDL	ug/g	Wet Wt	1	0.050	101		VGICP_7-18-00	0710SEMW	7/10/2000	7/18/2000	10:42
2000 E1	EMA00-33	E0000710CS	Check Standard	NA	Lab QC	CCV	NA	NA	7440-43-9	ICP - AES	Cadmium	0.098	0.025	MDL	ug/g	Wet Wt	1	0.100	98		ICP_9-1-00C	0901CDMWC	9/1/2000	9/1/2000	15:29
2000 E1	EMA00-33	E0000710CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0511	0.01	MDL	ug/g	Wet Wt	1	0.050	102		VGICP_7-18-00	0710SEMW	7/10/2000	7/18/2000	10:39
2000 E1	EMA00-33	E0000710MS	SACR MH13 5/24	05/24/00	Tissue	MS	Sandhill Crane	NA	7440-43-9	ICP - AES	Cadmium	84	NA	NA	%				84		ICP_9-1-00C	0901CDMWC	9/1/2000	9/1/2000	15:39
2000 E1	EMA00-33	E0000710MS	SACR MH13 5/24	05/24/00	Tissue	MS	Sandhill Crane	NA	7782-49-2	ICP, Hydride	Selenium	106	NA	NA	%				106		VGICP_7-18-00	0710SEMW	7/10/2000	7/18/2000	10:33
2000 E1	EMA00-33	E0000710S1	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.406	0.01	MDL	ug/g	Wet Wt	1	0.446	91		VGICP_7-18-00	0710SEMW	7/10/2000	7/18/2000	10:45
2000 E1	EMA00-33	E0000710SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	58.800	0.025	MDL	ug/g	Wet Wt	1	54.3	108		ICP_9-1-00C	0901CDMWC	9/1/2000	9/1/2000	15:34
2000 E1	EMA00-33	E0000711	AMRO BP18 5/27	05/27/00	Tissue	Primary	American Robin	Mine	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EMA00-33	E0000711	AMRO BP18 5/27	05/27/00	Tissue	Primary	American Robin	Mine	NA	Gravimetric	Moisture Content	68	1	NA	%	NA	1								
2000 E1	EMA00-33	E0000711	AMRO BP18 5/27	05/27/00	Tissue	Primary	American Robin	Mine	7782-49-2	ICP, Hydride	Selenium	0.6	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-18-00	0710SEMW	7/10/2000	7/18/2000	10:46
2000 E1	EMA00-33	E0000711D	AMRO BP18 5/27	05/27/00	Tissue	Lab Dupl	American Robin	Mine	7782-49-2	ICP, Hydride	Selenium	0.61	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-18-00	0710SEMW	7/10/2000	7/18/2000	10:51
2000 E1	EMA00-33	E0000712	TRES MH20 5/27	05/27/00	Tissue	Primary	Tree Swallow	Regional	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EMA00-33	E0000712	TRES MH20 5/27	05/27/00	Tissue	Primary	Tree Swallow	Regional	NA	Gravimetric	Moisture Content	81	1	NA	%	NA	1								
2000 E1	EMA00-33	E0000712	TRES MH20 5/27	05/27/00	Tissue	Primary	Tree Swallow	Regional	7782-49-2	ICP, Hydride	Selenium	1	0.04	MDL	ug/g	Wet Wt	1				VGICP_7-18-00	0710SEMW	7/10/2000	7/18/2000	10:54
2000 E1	EJN00-01	E0000713	MAWR DJ26 5/30	05/30/00	Tissue	Primary	Marsh Wren	Background	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-01	E0000713	MAWR DJ26 5/30	05/30/00	Tissue	Primary	Marsh Wren	Background	NA	Gravimetric	Moisture Content	76	1	NA	%	NA	1								
2000 E1	EJN00-01	E0000713	MAWR DJ26 5/30	05/30/00	Tissue	Primary	Marsh Wren	Background	7782-49-2	ICP, Hydride	Selenium	0.73	0.02	MDL	ug/g	Wet Wt	1				VGICP_7-18-00	0710SEMW	7/10/2000	7/18/2000	10:57
2000 E1	EJN00-01	E0000714	MAWR DJ24 5/30	05/30/00	Tissue	Primary	Marsh Wren	Background	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA

Event	UIASL Case #	UIASL Sample ID	Field Sample ID	Collection Date	Matrix	QC Type	Common Name	Spatial Relevance	CAS #	Method	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% Rec	QC Flag	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
2000 E1	EJN00-01	E0000714	MAWR DJ24 5/30	05/30/00	Tissue	Primary	Marsh Wren	Background	NA	Gravimetric	Moisture Content	79	1	NA	%	NA	1								
2000 E1	EJN00-01	E0000714	MAWR DJ24 5/30	05/30/00	Tissue	Primary	Marsh Wren	Background	7782-49-2	ICP, Hydride	Selenium	0.62	0.02	MDL	ug/g	Wet Wt	1				VGICP_7-18-00	0710SEMW	7/10/2000	7/18/2000	10:59
2000 E1	EJN00-01	E0000715	YEWA BP24 5/28	05/28/00	Tissue	Primary	Yellow Warbler	Regional	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-01	E0000715	YEWA BP24 5/28	05/28/00	Tissue	Primary	Yellow Warbler	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2000 E1	EJN00-01	E0000715	YEWA BP24 5/28	05/28/00	Tissue	Primary	Yellow Warbler	Regional	7782-49-2	ICP, Hydride	Selenium	1.1	0.012	MDL	ug/g	Wet Wt	1				VGICP_7-18-00	0710SEMW	7/10/2000	7/18/2000	11:02
2000 E1	EJN00-01	E0000716	BARS MH29 5/29	05/29/00	Tissue	Primary	Barn Swallow	Background	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-01	E0000716	BARS MH29 5/29	05/29/00	Tissue	Primary	Barn Swallow	Background	NA	Gravimetric	Moisture Content	81	1	NA	%	NA	1								
2000 E1	EJN00-01	E0000716	BARS MH29 5/29	05/29/00	Tissue	Primary	Barn Swallow	Background	7782-49-2	ICP, Hydride	Selenium	1.2	0.017	MDL	ug/g	Wet Wt	1				VGICP_7-18-00	0710SEMW	7/10/2000	7/18/2000	11:39
2000 E1	EJN00-01	E0000716B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	0	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-18-00	0710SEMW	7/10/2000	7/18/2000	11:51
2000 E1	EJN00-01	E0000716BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0499	0.01	MDL	ug/g	Wet Wt	1	0.050	100		VGICP_7-18-00	0710SEMW	7/10/2000	7/18/2000	11:45
2000 E1	EJN00-01	E0000716CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0503	0.01	MDL	ug/g	Wet Wt	1	0.050	101		VGICP_7-18-00	0710SEMW	7/10/2000	7/18/2000	11:42
2000 E1	EJN00-01	E0000716SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.307	0.01	MDL	ug/g	Wet Wt	1	0.446	69		VGICP_7-18-00	0710SEMW	7/10/2000	7/18/2000	12:11
2000 E1	EJN00-01	E0000717	BARS DJ22 5/30	05/30/00	Tissue	Primary	Barn Swallow	Regional	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-01	E0000717	BARS DJ22 5/30	05/30/00	Tissue	Primary	Barn Swallow	Regional	NA	Gravimetric	Moisture Content	80	1	NA	%	NA	1								
2000 E1	EJN00-01	E0000717	BARS DJ22 5/30	05/30/00	Tissue	Primary	Barn Swallow	Regional	7782-49-2	ICP, Hydride	Selenium	0.43	0.012	MDL	ug/g	Wet Wt	1				VGICP_7-25-2000	0725SEMW	7/13/2000	7/25/2000	9:35
2000 E1	EJN00-01	E0000717S1	TORT2	NA	Tissue	SRM	NA	NA	7782-49-2	ICP, Hydride	Selenium	5.89	0.01	MDL	ug/g	Wet Wt	1	5.630	105		VGICP_7-25-2000	0725SEMW	7/13/2000	7/25/2000	9:32
2000 E1	EJN00-01	E0000717SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.438	0.01	MDL	ug/g	Wet Wt	1	0.446	98		VGICP_7-25-2000	0725SEMW	7/13/2000	7/25/2000	9:29
2000 E1	EJN00-01	E0000718	BARS DJ23 5/30	05/30/00	Tissue	Primary	Barn Swallow	Regional	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-01	E0000718	BARS DJ23 5/30	05/30/00	Tissue	Primary	Barn Swallow	Regional	NA	Gravimetric	Moisture Content	81	1	NA	%	NA	1								
2000 E1	EJN00-01	E0000718	BARS DJ23 5/30	05/30/00	Tissue	Primary	Barn Swallow	Regional	7782-49-2	ICP, Hydride	Selenium	0.59	0.017	MDL	ug/g	Wet Wt	1				VGICP_7-25-2000	0725SEMW	7/13/2000	7/25/2000	9:39
2000 E1	EJN00-01	E0000719	SOSP MH24 5/28	05/28/00	Tissue	Primary	Song Sparrow	Regional	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-01	E0000719	SOSP MH24 5/28	05/28/00	Tissue	Primary	Song Sparrow	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2000 E1	EJN00-01	E0000719	SOSP MH24 5/28	05/28/00	Tissue	Primary	Song Sparrow	Regional	7782-49-2	ICP, Hydride	Selenium	0.7	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-25-2000	0725SEMW	7/13/2000	7/25/2000	9:42
2000 E1	EJN00-01	E0000720	AMCO DJ25 5/30	05/30/00	Tissue	Primary	American Coot	Background	7440-43-9	ICP - AES	Cadmium	-0.029	0.025	MDL	ug/g	Wet Wt	1				ICP_8-21-00A	0821CDMW	8/21/2000	8/21/2000	14:34
2000 E1	EJN00-01	E0000720	AMCO DJ25 5/30	05/30/00	Tissue	Primary	American Coot	Background	NA	Gravimetric	Moisture Content	77	1	NA	%	NA	1								
2000 E1	EJN00-01	E0000720	AMCO DJ25 5/30	05/30/00	Tissue	Primary	American Coot	Background	7782-49-2	ICP, Hydride	Selenium	0.29	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-25-2000	0725SEMW	7/13/2000	7/25/2000	9:45
2000 E1	EJN00-01	E0000720D	AMCO DJ25 5/30	05/30/00	Tissue	Lab Dupl	American Coot	Background	NA	Gravimetric	Moisture Content	77	1	NA	%	NA	1								
2000 E1	EJN00-01	E0000720D	AMCO DJ25 5/30	05/30/00	Tissue	Lab Dupl	American Coot	Background	7782-49-2	ICP, Hydride	Selenium	0.28	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-25-2000	0725SEMW	7/13/2000	7/25/2000	9:48
2000 E1	EJN00-01	E0000721	SACR BP28 5/29	05/29/00	Tissue	Triplicate	Sandhill Crane	Background	7440-43-9	ICP - AES	Cadmium	-0.024	0.025	MDL	ug/g	Wet Wt	1				ICP_8-21-00A	0821CDMW	8/21/2000	8/21/2000	14:36
2000 E1	EJN00-01	E0000721	SACR BP28 5/29	05/29/00	Tissue	Triplicate	Sandhill Crane	Background	NA	Gravimetric	Moisture Content	77	1	NA	%	NA	1								
2000 E1	EJN00-01	E0000721	SACR BP28 5/29	05/29/00	Tissue	Triplicate	Sandhill Crane	Background	7782-49-2	ICP, Hydride	Selenium	0.5	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-25-2000	0725SEMW	7/13/2000	7/25/2000	9:51
2000 E1	EJN00-01	E0000721-2	SACR BP28 5/29	05/29/00	Tissue	Triplicate	Sandhill Crane	Background	7440-43-9	ICP - AES	Cadmium	-0.016	0.025	MDL	ug/g	Wet Wt	1				ICP_8-21-00A	0821CDMW	8/21/2000	8/21/2000	14:38
2000 E1	EJN00-01	E0000721-2	SACR BP28 5/29	05/29/00	Tissue	Triplicate	Sandhill Crane	Background	NA	Gravimetric	Moisture Content	78	1	NA	%	NA	1								
2000 E1	EJN00-01	E0000721-2	SACR BP28 5/29	05/29/00	Tissue	Triplicate	Sandhill Crane	Background	7782-49-2	ICP, Hydride	Selenium	0.52	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-25-2000	0725SEMW	7/13/2000	7/25/2000	9:54
2000 E1	EJN00-01	E0000721-3	SACR BP28 5/29	05/29/00	Tissue	Triplicate	Sandhill Crane	Background	7440-43-9	ICP - AES	Cadmium	-0.011	0.025	MDL	ug/g	Wet Wt	1				ICP_8-21-00A	0821CDMW	8/21/2000	8/21/2000	14:41
2000 E1	EJN00-01	E0000721-3	SACR BP28 5/29	05/29/00	Tissue	Triplicate	Sandhill Crane	Background	NA	Gravimetric	Moisture Content	78	1	NA	%	NA	1								
2000 E1	EJN00-01	E0000721-3	SACR BP28 5/29	05/29/00	Tissue	Triplicate	Sandhill Crane	Background	7782-49-2	ICP, Hydride	Selenium	0.52	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-25-2000	0725SEMW	7/13/2000	7/25/2000	9:57
2000 E1	EJN00-01	E0000721B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	-0.001	0.025	MDL	ug/g	Wet Wt	1				ICP_8-21-00A	0821CDMW	8/21/2000	8/21/2000	14:52
2000 E1	EJN00-01	E0000721BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7440-43-9	ICP - AES	Cadmium	0.077	0.025	MDL	ug/g	Wet Wt	1	0.080	96		ICP_8-21-00A	0821CDMW	8/21/2000	8/21/2000	14:45
2000 E1	EJN00-01	E0000721CS	Check Standard	NA	Lab QC	CCV	NA	NA	7440-43-9	ICP - AES	Cadmium	0.103	0.025	MDL	ug/g	Wet Wt	1	0.100	103		ICP_8-21-00A	0821CDMW	8/21/2000	8/21/2000	14:50
2000 E1	EJN00-01	E0000721MS	SACR BP28 5/29	05/29/00	Tissue	MS	Sandhill Crane	NA	7782-49-2	ICP, Hydride	Selenium	101	NA	NA	%				101		VGICP_7-25-2000	0725SEMW	7/13/2000	7/25/2000	10:00
2000 E1	EJN00-01	E0000721MS	SACR MH13 5/24	05/29/00	Tissue	MS	Sandhill Crane	NA	7440-43-9	ICP - AES	Cadmium	99	NA	NA	%				99		ICP_8-21-00A	0821CDMW	8/21/2000	8/21/2000	14:43
2000 E1	EJN00-01	E0000721SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	54.500	0.025	MDL	ug/g	Wet Wt	1	54.3	100		ICP_8-21-00A	0821CDMW	8/21/2000	8/21/2000	14:47
2000 E1	EJN00-01	E0000722	CAGO MH23 5/28	05/28/00	Tissue	Triplicate	Canada Goose	Regional	7440-43-9	ICP - AES	Cadmium	0.011	0.025	MDL	ug/g	Wet Wt	1				ICP_8-21-00B	0821CDMWB	8/21/2000	8/21/2000	15:26
2000 E1	EJN00-01	E0000722	CAGO MH23 5/28	05/28/00	Tissue	Triplicate	Canada Goose	Regional	NA	Gravimetric	Moisture Content	72	1	NA	%	NA	1								
2000 E1	EJN00-01	E0000722	CAGO MH23 5/28	05/28/00	Tissue	Triplicate	Canada Goose	Regional	7782-49-2	ICP, Hydride	Selenium	0.35	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-25-2000	0725SEMW	7/13/2000	7/25/2000	10:03
2000 E1	EJN00-01	E0000722-2	CAGO MH23 5/28	05/28/00	Tissue	Triplicate	Canada Goose	Regional	7440-43-9	ICP - AES	Cadmium	-0.003	0.025	MDL	ug/g	Wet Wt	1				ICP_8-21-00B	0821CDMWB	8/21/2000	8/21/2000	15:28
2000 E1	EJN00-01	E0000722-2	CAGO MH23 5/28	05/28/00	Tissue	Triplicate	Canada Goose	Regional	NA	Gravimetric	Moisture Content	70	1	NA	%	NA	1								
2000 E1	EJN00-01	E0000722-2	CAGO MH23 5/28	05/28/00	Tissue	Triplicate	Canada Goose	Regional	7782-49-2	ICP, Hydride	Selenium	0.36	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-25-2000	0725SEMW	7/13/2000	7/25/2000	10:07
2000 E1	EJN00-01	E0000722-3	CAGO MH23 5/28	05/28/00	Tissue	Triplicate	Canada Goose	Regional	7440-43-9	ICP - AES	Cadmium	0.000	0.025	MDL	ug/g	Wet Wt	1				ICP_8-21-00B	0821CDMWB	8/21/2000	8/21/2000	15:31
2000 E1	EJN00-01	E0000722-3	CAGO MH23 5/28	05/28/00	Tissue	Triplicate	Canada Goose	Regional	NA	Gravimetric	Moisture Content	71	1	NA	%	NA	1								
2000 E1	EJN00-01	E0000722-3	CAGO MH23 5/28	05/28/00	Tissue	Triplicate	Canada Goose	Regional	7782-49-2	ICP, Hydride	Selenium	0.33	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-25-2000	0725SEMW	7/13/2000	7/25/2000	10:10
2000 E1	EJN00-01	E0000722B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	0.001	0.025	MDL	ug/g	Wet Wt	1				ICP_8-21-00B	0821CDMWB	8/21/2000	8/21/2000	15:17
2000 E1	EJN00-01	E0000722B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.000256	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-25-2000	0725SEMW	7/13/2000	7/25/2000	10:16
2000 E1	EJN00-01	E0000722BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7440-43-9	ICP - AES	Cadmium	0.079	0.025	MDL	ug/g	Wet Wt	1	0.080	99		ICP_8-21-00B	0821CDMWB	8/21/2000	8/21/2000	15:21
2000 E1	EJN00-01	E0000722BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0515	0.01	MDL	ug/g	Wet Wt	1	0.050	103		VGICP_7-25-2000	0725SEMW	7/13/2000	7/25/2000	10:22
2000 E1	EJN00-01	E0000722CS	Check Standard	NA	Lab QC	CCV	NA	NA	7440-43-9	ICP - AES	Cadmium	0.105	0.025	MDL	ug/g	Wet Wt	1	0.100	105		ICP_8-21-00B	0821CDMWB	8/21/2000	8/21/2000	15:19
2000 E1	EJN00-01	E0000722CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0522	0.01	MDL	ug/g	Wet Wt	1	0.050	104		VGICP_7-25-2000	0725SEMW	7/13/2000	7/25/2000	10:19
2000 E1	EJN00-01	E0000722MS	CAGO MH23 5/28	05/28/00	Tissue	MS	Canada Goose	NA	7440-43-9	ICP - AES	Cadmium	99	NA	NA	%				99		ICP_8-21-00B	0821CDMWB	8/21/2000	8/21/2000	15:33
2000 E1	EJN00-01	E0000722MS	CAGO MH23 5/28	05/28/00	Tissue	MS	Canada Goose	NA	7782-49-2	ICP, Hydride	Selenium	95	NA	NA	%				95		VGICP_7-25-2000	0725SEMW	7/13/2000	7/25/2000	10:13
2000 E1	EJN00-01	E0000722SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	53.700	0.025	MDL	ug/g	Wet Wt	1	54.3	99		ICP_8-21-00B	0821CDMWB	8/21/2000	8/21/2000	15:24
2000 E1	EJN00-01	E0000722SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.478	0.01	MDL	ug/g	Wet Wt	1	0.446	107		VGICP_7-25-2000	0725SEMW	7/13/2000	7/25/2000	10:28
2000 E1	EJN00-01	E0000723	MALL BP16 5/27	05/27/00	Tissue	Primary	Mallard	Mine	7440-43-9	ICP - AES	Cadmium	-0.015	0.025	MDL	ug/g	Wet Wt	1				ICP_8-21-00B	0821CDMWB	8/21/2000	8/21/2000	15:35
2000 E1	EJN00-01	E0000723	MALL BP16 5/27	05/27/00	Tissue	Primary	Mallard	Mine	NA	Gravimetric	Moisture Content	72	1	NA	%	NA	1								
2000 E1	EJN00-01	E0000723	MALL BP16 5/27	05/27/00	Tissue	Primary	Mallard	Mine	7782-49-2	ICP, Hydride	Selenium	0.78	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-25-2000	0725SEMW	7/13/2000	7/25/2000	10:31

Event	UIASL Case #	UIASL Sample ID	Field Sample ID	Collection Date	Matrix	QC Type	Common Name	Spatial Relevance	CAS #	Method	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% Rec	QC Flag	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
2000 E1	EJN00-01	E0000723D	MALL BP16 5/27	05/27/00	Tissue	Lab Dupl	Mallard	Mine	NA	Gravimetric	Moisture Content	71	1	NA	%	NA	1								
2000 E1	EJN00-01	E0000724	AMCO BP25 5/29	05/29/00	Tissue	Primary	American Coot	Background	7440-43-9	ICP - AES	Cadmium	-0.016	0.025	MDL	ug/g	Wet Wt	1				ICP_8-21-00B	0821CDMWB	8/21/2000	8/21/2000	15:38
2000 E1	EJN00-01	E0000724	AMCO BP25 5/29	05/29/00	Tissue	Primary	American Coot	Background	NA	Gravimetric	Moisture Content	76	1	NA	%	NA	1								
2000 E1	EJN00-01	E0000724	AMCO BP25 5/29	05/29/00	Tissue	Primary	American Coot	Background	7782-49-2	ICP, Hydride	Selenium	0.44	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-25-2000	0725SEMW	7/13/2000	7/25/2000	10:34
2000 E1	EJN00-01	E0000724D	AMCO BP25 5/29	05/29/00	Tissue	Lab Dupl	American Coot	Background	7440-43-9	ICP - AES	Cadmium	-0.004	0.025	MDL	ug/g	Wet Wt	1				ICP_8-21-00B	0821CDMWB	8/21/2000	8/21/2000	15:40
2000 E1	EJN00-01	E0000725	AMCO BP27 5/29	05/29/00	Tissue	Primary	American Coot	Background	7440-43-9	ICP - AES	Cadmium	-0.006	0.025	MDL	ug/g	Wet Wt	1				ICP_8-21-00B	0821CDMWB	8/21/2000	8/21/2000	15:42
2000 E1	EJN00-01	E0000725	AMCO BP27 5/29	05/29/00	Tissue	Primary	American Coot	Background	NA	Gravimetric	Moisture Content	80	1	NA	%	NA	1								
2000 E1	EJN00-01	E0000725	AMCO BP27 5/29	05/29/00	Tissue	Primary	American Coot	Background	7782-49-2	ICP, Hydride	Selenium	0.32	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-25-2000	0725SEMW	7/13/2000	7/25/2000	10:36
2000 E1	EJN00-01	E0000725B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	0.001	0.025	MDL	ug/g	Wet Wt	1				ICP_8-21-00A	0821CDMW	8/21/2000	8/21/2000	15:47
2000 E1	EJN00-01	E0000725BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7440-43-9	ICP - AES	Cadmium	0.077	0.025	MDL	ug/g	Wet Wt	1	0.080	96		ICP_8-21-00A	0821CDMW	8/21/2000	8/21/2000	15:51
2000 E1	EJN00-01	E0000725CS	Check Standard	NA	Lab QC	CCV	NA	NA	7440-43-9	ICP - AES	Cadmium	0.104	0.025	MDL	ug/g	Wet Wt	1	0.100	104		ICP_8-21-00A	0821CDMW	8/21/2000	8/21/2000	15:45
2000 E1	EJN00-01	E0000725SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	56.300	0.025	MDL	ug/g	Wet Wt	1	54.3	104		ICP_8-21-00A	0821CDMW	8/21/2000	8/21/2000	15:49
2000 E1	EJN00-01	E0000726	YHBL BP22 5/28	05/28/00	Tissue	Primary	ellow Headed Blackbi	Regional	7440-43-9	ICP - AES	Cadmium	-0.009	0.025	MDL	ug/g	Wet Wt	1				ICP_8-21-00B	0821CDMWB	8/21/2000	8/21/2000	15:51
2000 E1	EJN00-01	E0000726	YHBL BP22 5/28	05/28/00	Tissue	Primary	ellow Headed Blackbi	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2000 E1	EJN00-01	E0000726	YHBL BP22 5/28	05/28/00	Tissue	Primary	ellow Headed Blackbi	Regional	7782-49-2	ICP, Hydride	Selenium	0.83	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-25-2000	0725SEMW	7/13/2000	7/25/2000	10:39
2000 E1	EJN00-01	E0000727	YHBL DJ20 5/28	05/28/00	Tissue	Primary	ellow Headed Blackbi	Regional	7440-43-9	ICP - AES	Cadmium	-0.006	0.025	MDL	ug/g	Wet Wt	1				ICP_8-21-00B	0821CDMWB	8/21/2000	8/21/2000	15:56
2000 E1	EJN00-01	E0000727	YHBL DJ20 5/28	05/28/00	Tissue	Primary	ellow Headed Blackbi	Regional	NA	Gravimetric	Moisture Content	86	1	NA	%	NA	1								
2000 E1	EJN00-01	E0000727	YHBL DJ20 5/28	05/28/00	Tissue	Primary	ellow Headed Blackbi	Regional	7782-49-2	ICP, Hydride	Selenium	0.85	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-25-2000	0725SEMW	7/13/2000	7/25/2000	10:42
2000 E1	EJN00-01	E0000728	AMCO MH27 5/29	05/29/00	Tissue	Primary	American Coot	Background	7440-43-9	ICP - AES	Cadmium	0.005	0.025	MDL	ug/g	Wet Wt	1				ICP_8-21-00B	0821CDMWB	8/21/2000	8/21/2000	15:59
2000 E1	EJN00-01	E0000728	AMCO MH27 5/29	05/29/00	Tissue	Primary	American Coot	Background	NA	Gravimetric	Moisture Content	78	1	NA	%	NA	1								
2000 E1	EJN00-01	E0000728	AMCO MH27 5/29	05/29/00	Tissue	Primary	American Coot	Background	7782-49-2	ICP, Hydride	Selenium	0.4	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-25-2000	0725SEMW	7/13/2000	7/25/2000	10:45
2000 E1	EJN00-01	E0000728D	AMCO MH27 5/29	05/29/00	Tissue	Lab Dupl	American Coot	Background	7782-49-2	ICP, Hydride	Selenium	0.43	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-25-2000	0725SEMW	7/13/2000	7/25/2000	10:48
2000 E1	EJN00-01	E0000729	AMCO MH26 5/29	05/29/00	Tissue	Primary	American Coot	Regional	7440-43-9	ICP - AES	Cadmium	-0.001	0.025	MDL	ug/g	Wet Wt	1				ICP_8-21-00B	0821CDMWB	8/21/2000	8/21/2000	16:01
2000 E1	EJN00-01	E0000729	AMCO MH26 5/29	05/29/00	Tissue	Primary	American Coot	Regional	NA	Gravimetric	Moisture Content	80	1	NA	%	NA	1								
2000 E1	EJN00-01	E0000729	AMCO MH26 5/29	05/29/00	Tissue	Primary	American Coot	Regional	7782-49-2	ICP, Hydride	Selenium	0.43	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-25-2000	0725SEMW	7/13/2000	7/25/2000	10:51
2000 E1	EJN00-01	E0000729B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.00049	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-25-2000	0725SEMW	7/13/2000	7/25/2000	10:53
2000 E1	EJN00-01	E0000729BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0514	0.01	MDL	ug/g	Wet Wt	1	0.050	103		VGICP_7-25-2000	0725SEMW	7/13/2000	7/25/2000	10:59
2000 E1	EJN00-01	E0000729CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0523	0.01	MDL	ug/g	Wet Wt	1	0.050	105		VGICP_7-25-2000	0725SEMW	7/13/2000	7/25/2000	10:56
2000 E1	EJN00-01	E0000729D	AMCO MH26 5/29	05/29/00	Tissue	Lab Dupl	American Coot	Regional	7440-43-9	ICP - AES	Cadmium	-0.009	0.025	MDL	ug/g	Wet Wt	1				ICP_8-21-00B	0821CDMWB	8/21/2000	8/21/2000	16:03
2000 E1	EJN00-01	E0000729SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.479	0.01	MDL	ug/g	Wet Wt	1	0.446	107		VGICP_7-25-2000	0725SEMW	7/13/2000	7/25/2000	11:02
2000 E1	EJN00-01	E0000730	YEWA DJ21 5/28	05/28/00	Tissue	Primary	Yellow Warbler	Regional	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-01	E0000730	YEWA DJ21 5/28	05/28/00	Tissue	Primary	Yellow Warbler	Regional	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2000 E1	EJN00-01	E0000730	YEWA DJ21 5/28	05/28/00	Tissue	Primary	Yellow Warbler	Regional	7782-49-2	ICP, Hydride	Selenium	1	0.012	MDL	ug/g	Wet Wt	1				VGICP_7-19-2000	0719SEHB	7/13/2000	7/19/2000	13:59
2000 E1	EJN00-01	E0000730B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	0	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-19-2000	0719SEHB	7/13/2000	7/19/2000	13:49
2000 E1	EJN00-01	E0000730BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.052	0.01	MDL	ug/g	Wet Wt	1	0.050	104		VGICP_7-19-2000	0719SEHB	7/13/2000	7/19/2000	13:54
2000 E1	EJN00-01	E0000730CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.049	0.01	MDL	ug/g	Wet Wt	1	0.050	98		VGICP_7-19-2000	0719SEHB	7/13/2000	7/19/2000	13:51
2000 E1	EJN00-01	E0000730SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.456	0.01	MDL	ug/g	Wet Wt	1	0.446	102		VGICP_7-19-2000	0719SEHB	7/13/2000	7/19/2000	13:57
2000 E1	EJN00-01	E0000731	YHBL DJ19 5/28	05/28/00	Tissue	Primary	ellow Headed Blackbi	Regional	7440-43-9	ICP - AES	Cadmium	-0.005	0.025	MDL	ug/g	Wet Wt	1				ICP_8-21-00B	0821CDMWB	8/21/2000	8/21/2000	16:06
2000 E1	EJN00-01	E0000731	YHBL DJ19 5/28	05/28/00	Tissue	Primary	ellow Headed Blackbi	Regional	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2000 E1	EJN00-01	E0000731	YHBL DJ19 5/28	05/28/00	Tissue	Primary	ellow Headed Blackbi	Regional	7782-49-2	ICP, Hydride	Selenium	1	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-19-2000	0719SEHB	7/13/2000	7/19/2000	14:02
2000 E1	EJN00-01	E0000732	TRES MH28 5/29	05/29/00	Tissue	Primary	Tree Swallow	Background	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-01	E0000732	TRES MH28 5/29	05/29/00	Tissue	Primary	Tree Swallow	Background	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2000 E1	EJN00-01	E0000732	TRES MH28 5/29	05/29/00	Tissue	Primary	Tree Swallow	Background	7782-49-2	ICP, Hydride	Selenium	1.2	0.02	MDL	ug/g	Wet Wt	1				VGICP_7-19-2000	0719SEHB	7/13/2000	7/19/2000	14:05
2000 E1	EJN00-01	E0000733	MAWR MH22 5/28	05/28/00	Tissue	Primary	Marsh Wren	Regional	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-01	E0000733	MAWR MH22 5/28	05/28/00	Tissue	Primary	Marsh Wren	Regional	NA	Gravimetric	Moisture Content	81	1	NA	%	NA	1								
2000 E1	EJN00-01	E0000733	MAWR MH22 5/28	05/28/00	Tissue	Primary	Marsh Wren	Regional	7782-49-2	ICP, Hydride	Selenium	1.3	0.02	MDL	ug/g	Wet Wt	1				VGICP_7-19-2000	0719SEHB	7/13/2000	7/19/2000	14:07
2000 E1	EJN00-01	E0000734	AMCO BP26 5/29	05/29/00	Tissue	Primary	American Coot	Background	7440-43-9	ICP - AES	Cadmium	-0.013	0.025	MDL	ug/g	Wet Wt	1				ICP_8-21-00B	0821CDMWB	8/21/2000	8/21/2000	16:08
2000 E1	EJN00-01	E0000734	AMCO BP26 5/29	05/29/00	Tissue	Primary	American Coot	Background	NA	Gravimetric	Moisture Content	74	1	NA	%	NA	1								
2000 E1	EJN00-01	E0000734	AMCO BP26 5/29	05/29/00	Tissue	Primary	American Coot	Background	7782-49-2	ICP, Hydride	Selenium	0.47	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-19-2000	0719SEHB	7/13/2000	7/19/2000	14:10
2000 E1	EJN00-01	E0000734D	AMCO BP26 5/29	05/29/00	Tissue	Lab Dupl	American Coot	Background	NA	Gravimetric	Moisture Content	74	1	NA	%	NA	1								
2000 E1	EJN00-01	E0000734D	AMCO BP26 5/29	05/29/00	Tissue	Lab Dupl	American Coot	Background	7782-49-2	ICP, Hydride	Selenium	0.46	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-19-2000	0719SEHB	7/13/2000	7/19/2000	14:12
2000 E1	EJN00-01	E0000735	YHBL MH21 5/28	05/28/00	Tissue	Primary	ellow Headed Blackbi	Regional	7440-43-9	ICP - AES	Cadmium	-0.001	0.025	MDL	ug/g	Wet Wt	1				ICP_8-21-00B	0821CDMWB	8/21/2000	8/21/2000	16:10
2000 E1	EJN00-01	E0000735	YHBL MH21 5/28	05/28/00	Tissue	Primary	ellow Headed Blackbi	Regional	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2000 E1	EJN00-01	E0000735	YHBL MH21 5/28	05/28/00	Tissue	Primary	ellow Headed Blackbi	Regional	7782-49-2	ICP, Hydride	Selenium	0.82	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-19-2000	0719SEHB	7/13/2000	7/19/2000	14:15
2000 E1	EJN00-01	E0000735B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	-0.001	0.025	MDL	ug/g	Wet Wt	1				ICP_8-21-00A	0821CDMW	8/21/2000	8/21/2000	16:20
2000 E1	EJN00-01	E0000735BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7440-43-9	ICP - AES	Cadmium	0.078	0.025	MDL	ug/g	Wet Wt	1	0.080	98		ICP_8-21-00A	0821CDMW	8/21/2000	8/21/2000	16:15
2000 E1	EJN00-01	E0000735CS	Check Standard	NA	Lab QC	CCV	NA	NA	7440-43-9	ICP - AES	Cadmium	0.108	0.025	MDL	ug/g	Wet Wt	1	0.100	108		ICP_8-21-00A	0821CDMW	8/21/2000	8/21/2000	16:17
2000 E1	EJN00-01	E0000735SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	55.000	0.025	MDL	ug/g	Wet Wt	1	54.3	101		ICP_8-21-00A	0821CDMW	8/21/2000	8/21/2000	16:13
2000 E1	EJN00-04	E0000738	AMRO BG06 6/2	06/02/00	Tissue	Primary	American Robin	Background	7440-43-9	ICP - AES	Cadmium	0.005	0.025	MDL	ug/g	Wet Wt	1				ICP_8-22-00A	0822CDMW	8/22/2000	8/22/2000	12:35
2000 E1	EJN00-04	E0000738	AMRO BG06 6/2	06/02/00	Tissue	Primary	American Robin	Background	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2000 E1	EJN00-04	E0000738	AMRO BG06 6/2	06/02/00	Tissue	Primary	American Robin	Background	7782-49-2	ICP, Hydride	Selenium	0.34	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-19-2000	0719SEHB	7/13/2000	7/19/2000	14:17
2000 E1	EJN00-04	E0000738B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	0.000	0.025	MDL	ug/g	Wet Wt	1				ICP_8-22-00A	0822CDMW	8/22/2000	8/22/2000	12:26
2000 E1	EJN00-04	E0000738BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7440-43-9	ICP - AES	Cadmium	0.075	0.025	MDL	ug/g	Wet Wt	1	0.080	94		ICP_8-22-00A	0822CDMW	8/22/2000	8/22/2000	12:30
2000 E1	EJN00-04	E0000738CS	Check Standard	NA	Lab QC	CCV	NA	NA	7440-43-9	ICP - AES	Cadmium	0.100	0.025	MDL	ug/g	Wet Wt	1	0.100	100		ICP_8-22-00A	0822CDMW	8/22/2000	8/22/2000	12:28
2000 E1	EJN00-04	E0000738SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	55.300	0.025	MDL	ug/g	Wet Wt	1	54.3	102		ICP_8-22-00A	0822CDMW	8/22/2000	8/22/2000	12:33

Event	UIASL Case #	UIASL Sample ID	Field Sample ID	Collection Date	Matrix	QC Type	Common Name	Spatial Relevance	CAS #	Method	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% Rec	QC Flag	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
2000 E1	EJN00-04	E0000739	AMRO DJ28 6/1	06/01/00	Tissue	Primary	American Robin	Regional	7440-43-9	ICP - AES	Cadmium	0.007	0.025	MDL	ug/g	Wet Wt	1				ICP_8-22-00A	0822CDMW	8/22/2000	8/22/2000	12:37
2000 E1	EJN00-04	E0000739	AMRO DJ28 6/1	06/01/00	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2000 E1	EJN00-04	E0000739	AMRO DJ28 6/1	06/01/00	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.45	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-19-2000	0719SEHB	7/13/2000	7/19/2000	14:20
2000 E1	EJN00-04	E0000739B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	0	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-19-2000	0719SEHB	7/13/2000	7/19/2000	14:25
2000 E1	EJN00-04	E0000739BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.05	0.01	MDL	ug/g	Wet Wt	1	0.050	100		VGICP_7-19-2000	0719SEHB	7/13/2000	7/19/2000	14:28
2000 E1	EJN00-04	E0000739CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.048	0.01	MDL	ug/g	Wet Wt	1	0.050	96		VGICP_7-19-2000	0719SEHB	7/13/2000	7/19/2000	14:23
2000 E1	EJN00-04	E0000739SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.459	0.01	MDL	ug/g	Wet Wt	1	0.446	103		VGICP_7-19-2000	0719SEHB	7/13/2000	7/19/2000	14:30
2000 E1	EJN00-04	E0000740	YHBL BP29 5/31	05/31/00	Tissue	Primary	llow Headed Blackbi	Regional	7440-43-9	ICP - AES	Cadmium	0.014	0.1	MDL	ug/g	Wet Wt	1				ICP_8-22-00A	0822CDMW	8/22/2000	8/22/2000	12:40
2000 E1	EJN00-04	E0000740	YHBL BP29 5/31	05/31/00	Tissue	Primary	llow Headed Blackbi	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2000 E1	EJN00-04	E0000740	YHBL BP29 5/31	05/31/00	Tissue	Primary	llow Headed Blackbi	Regional	7782-49-2	ICP, Hydride	Selenium	0.61	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-19-2000	0719SEHB	7/13/2000	7/19/2000	14:33
2000 E1	EJN00-04	E0000741	BHCO DJ27 5/31	05/31/00	Tissue	Primary	rown-Headed Cowbi	Regional	7440-43-9	ICP - AES	Cadmium	0.044	0.05	MDL	ug/g	Wet Wt	1				ICP_8-22-00A	0822CDMW	8/22/2000	8/22/2000	12:42
2000 E1	EJN00-04	E0000741	BHCO DJ27 5/31	05/31/00	Tissue	Primary	rown-Headed Cowbi	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2000 E1	EJN00-04	E0000741	BHCO DJ27 5/31	05/31/00	Tissue	Primary	rown-Headed Cowbi	Regional	7782-49-2	ICP, Hydride	Selenium	0.64	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-19-2000	0719SEHB	7/13/2000	7/19/2000	14:35
2000 E1	EJN00-04	E0000742	YHBL MH30 5/31	05/31/00	Tissue	Primary	llow Headed Blackbi	Regional	7440-43-9	ICP - AES	Cadmium	0.014	0.042	MDL	ug/g	Wet Wt	1				ICP_8-22-00A	0822CDMW	8/22/2000	8/22/2000	12:44
2000 E1	EJN00-04	E0000742	YHBL MH30 5/31	05/31/00	Tissue	Primary	llow Headed Blackbi	Regional	NA	Gravimetric	Moisture Content	81	1	NA	%	NA	1								
2000 E1	EJN00-04	E0000742	YHBL MH30 5/31	05/31/00	Tissue	Primary	llow Headed Blackbi	Regional	7782-49-2	ICP, Hydride	Selenium	1	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-19-2000	0719SEHB	7/13/2000	7/19/2000	14:38
2000 E1	EJN00-04	E0000743	AMRO MH33 6/1	06/01/00	Tissue	Primary	American Robin	Background	7440-43-9	ICP - AES	Cadmium	0.014	0.025	MDL	ug/g	Wet Wt	1				ICP_8-22-00A	0822CDMW	8/22/2000	8/22/2000	12:47
2000 E1	EJN00-04	E0000743	AMRO MH33 6/1	06/01/00	Tissue	Primary	American Robin	Background	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2000 E1	EJN00-04	E0000743	AMRO MH33 6/1	06/01/00	Tissue	Primary	American Robin	Background	7782-49-2	ICP, Hydride	Selenium	0.42	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-19-2000	0719SEHB	7/13/2000	7/19/2000	14:41
2000 E1	EJN00-04	E0000743D	AMRO MH33 6/1	06/01/00	Tissue	Lab Dupl	American Robin	Background	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2000 E1	EJN00-04	E0000743MS	AMRO MH33 6/1	06/01/00	Tissue	MS	American Robin	NA	7440-43-9	ICP - AES	Cadmium	105	NA	NA	%				105		ICP_8-22-00A	0822CDMW	8/22/2000	8/22/2000	12:56
2000 E1	EJN00-04	E0000744	MALL BP30 5/31	05/31/00	Tissue	Triplicate	Mallard	Regional	7440-43-9	ICP - AES	Cadmium	0.014	0.025	MDL	ug/g	Wet Wt	1				ICP_8-22-00A	0822CDMW	8/22/2000	8/22/2000	12:49
2000 E1	EJN00-04	E0000744	MALL BP30 5/31	05/31/00	Tissue	Triplicate	Mallard	Regional	NA	Gravimetric	Moisture Content	69	1	NA	%	NA	1								
2000 E1	EJN00-04	E0000744	MALL BP30 5/31	05/31/00	Tissue	Triplicate	Mallard	Regional	7782-49-2	ICP, Hydride	Selenium	1	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-19-2000	0719SEHB	7/13/2000	7/19/2000	14:43
2000 E1	EJN00-04	E0000744-2	MALL BP30 5/31	05/31/00	Tissue	Triplicate	Mallard	Regional	7440-43-9	ICP - AES	Cadmium	0.024	0.025	MDL	ug/g	Wet Wt	1				ICP_8-22-00A	0822CDMW	8/22/2000	8/22/2000	12:51
2000 E1	EJN00-04	E0000744-2	MALL BP30 5/31	05/31/00	Tissue	Triplicate	Mallard	Regional	NA	Gravimetric	Moisture Content	68	1	NA	%	NA	1								
2000 E1	EJN00-04	E0000744-2	MALL BP30 5/31	05/31/00	Tissue	Triplicate	Mallard	Regional	7782-49-2	ICP, Hydride	Selenium	1	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-19-2000	0719SEHB	7/13/2000	7/19/2000	14:46
2000 E1	EJN00-04	E0000744-3	MALL BP30 5/31	05/31/00	Tissue	Triplicate	Mallard	Regional	7440-43-9	ICP - AES	Cadmium	0.004	0.025	MDL	ug/g	Wet Wt	1				ICP_8-22-00A	0822CDMW	8/22/2000	8/22/2000	12:54
2000 E1	EJN00-04	E0000744-3	MALL BP30 5/31	05/31/00	Tissue	Triplicate	Mallard	Regional	NA	Gravimetric	Moisture Content	70	1	NA	%	NA	1								
2000 E1	EJN00-04	E0000744-3	MALL BP30 5/31	05/31/00	Tissue	Triplicate	Mallard	Regional	7782-49-2	ICP, Hydride	Selenium	1	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-19-2000	0719SEHB	7/13/2000	7/19/2000	14:49
2000 E1	EJN00-04	E0000744MS	MALL BP30 5/31	05/31/00	Tissue	MS	Mallard	NA	7782-49-2	ICP, Hydride	Selenium	100	NA	NA	%				100		VGICP_7-19-2000	0719SEHB	7/13/2000	7/19/2000	14:53
2000 E1	EJN00-04	E0000745	TRES BP31 6/1	06/01/00	Tissue	Primary	Tree Swallow	Mine	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-04	E0000745	TRES BP31 6/1	06/01/00	Tissue	Primary	Tree Swallow	Mine	NA	Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
2000 E1	EJN00-04	E0000745	TRES BP31 6/1	06/01/00	Tissue	Primary	Tree Swallow	Mine	7782-49-2	ICP, Hydride	Selenium	1.6	0.02	MDL	ug/g	Wet Wt	1				VGICP_7-19-2000	0719SEHB	7/13/2000	7/19/2000	14:56
2000 E1	EJN00-04	E0000746	YEWA BG02 5/31	05/31/00	Tissue	Primary	Yellow Warbler	Regional	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-04	E0000746	YEWA BG02 5/31	05/31/00	Tissue	Primary	Yellow Warbler	Regional	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2000 E1	EJN00-04	E0000746	YEWA BG02 5/31	05/31/00	Tissue	Primary	Yellow Warbler	Regional	7782-49-2	ICP, Hydride	Selenium	0.89	0.04	MDL	ug/g	Wet Wt	1				VGICP_7-19-2000	0719SEHB	7/13/2000	7/19/2000	14:58
2000 E1	EJN00-04	E0000746B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	0	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-19-2000	0719SEHB	7/13/2000	7/19/2000	15:06
2000 E1	EJN00-04	E0000746BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.05	0.01	MDL	ug/g	Wet Wt	1	0.050	100		VGICP_7-19-2000	0719SEHB	7/13/2000	7/19/2000	15:03
2000 E1	EJN00-04	E0000746CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.048	0.01	MDL	ug/g	Wet Wt	1	0.050	96		VGICP_7-19-2000	0719SEHB	7/13/2000	7/19/2000	15:08
2000 E1	EJN00-04	E0000746SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.467	0.01	MDL	ug/g	Wet Wt	1	0.446	105		VGICP_7-19-2000	0719SEHB	7/13/2000	7/19/2000	15:01
2000 E1	EJN00-04	E0000747	TRES BG04 6/1	06/01/00	Tissue	Primary	Tree Swallow	Background	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-04	E0000747	TRES BG04 6/1	06/01/00	Tissue	Primary	Tree Swallow	Background	NA	Gravimetric	Moisture Content	81	1	NA	%	NA	1								
2000 E1	EJN00-04	E0000747	TRES BG04 6/1	06/01/00	Tissue	Primary	Tree Swallow	Background	7782-49-2	ICP, Hydride	Selenium	0.55	0.017	MDL	ug/g	Wet Wt	1				VGICP_7-26-2000	0726SEMW	7/14/2000	7/26/2000	10:02
2000 E1	EJN00-04	E0000747S1	TORT2	NA	Tissue	SRM	NA	NA	7782-49-2	ICP, Hydride	Selenium	5.76	0.01	MDL	ug/g	Wet Wt	1	5.630	102		VGICP_7-26-2000	0726SEMW	7/14/2000	7/26/2000	9:59
2000 E1	EJN00-04	E0000747SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.459	0.01	MDL	ug/g	Wet Wt	1	0.446	103		VGICP_7-26-2000	0726SEMW	7/14/2000	7/26/2000	9:55
2000 E1	EJN00-04	E0000748	YHBL BG01 5/31	05/31/00	Tissue	Primary	llow Headed Blackbi	Regional	7440-43-9	ICP - AES	Cadmium	0.011	0.025	MDL	ug/g	Wet Wt	1				ICP_8-22-00A	0822CDMW	8/22/2000	8/22/2000	12:58
2000 E1	EJN00-04	E0000748	YHBL BG01 5/31	05/31/00	Tissue	Primary	llow Headed Blackbi	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2000 E1	EJN00-04	E0000748	YHBL BG01 5/31	05/31/00	Tissue	Primary	llow Headed Blackbi	Regional	7782-49-2	ICP, Hydride	Selenium	1.2	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-26-2000	0726SEMW	7/14/2000	7/26/2000	10:05
2000 E1	EJN00-04	E0000748B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	-0.001	0.025	MDL	ug/g	Wet Wt	1				ICP_8-22-00A	0822CDMW	8/22/2000	8/22/2000	13:03
2000 E1	EJN00-04	E0000748BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7440-43-9	ICP - AES	Cadmium	0.077	0.025	MDL	ug/g	Wet Wt	1	0.080	96		ICP_8-22-00A	0822CDMW	8/22/2000	8/22/2000	13:05
2000 E1	EJN00-04	E0000748CS	Check Standard	NA	Lab QC	CCV	NA	NA	7440-43-9	ICP - AES	Cadmium	0.102	0.025	MDL	ug/g	Wet Wt	1	0.100	102		ICP_8-22-00A	0822CDMW	8/22/2000	8/22/2000	13:01
2000 E1	EJN00-04	E0000748SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	51.600	0.025	MDL	ug/g	Wet Wt	1	54.3	95		ICP_8-22-00A	0822CDMW	8/22/2000	8/22/2000	13:08
2000 E1	EJN00-04	E0000749	YEWA BP32 6/1	06/01/00	Tissue	Primary	Yellow Warbler	Background	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-04	E0000749	YEWA BP32 6/1	06/01/00	Tissue	Primary	Yellow Warbler	Background	NA	Gravimetric	Moisture Content	81	1	NA	%	NA	1								
2000 E1	EJN00-04	E0000749	YEWA BP32 6/1	06/01/00	Tissue	Primary	Yellow Warbler	Background	7782-49-2	ICP, Hydride	Selenium	0.5	0.017	MDL	ug/g	Wet Wt	1				VGICP_7-26-2000	0726SEMW	7/14/2000	7/26/2000	10:08
2000 E1	EJN00-04	E0000750	TRES DJ30 6/2	06/02/00	Tissue	Primary	Tree Swallow	Background	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-04	E0000750	TRES DJ30 6/2	06/02/00	Tissue	Primary	Tree Swallow	Background	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2000 E1	EJN00-04	E0000750	TRES DJ30 6/2	06/02/00	Tissue	Primary	Tree Swallow	Background	7782-49-2	ICP, Hydride	Selenium	0.33	0.017	MDL	ug/g	Wet Wt	1				VGICP_7-26-2000	0726SEMW	7/14/2000	7/26/2000	10:10
2000 E1	EJN00-04	E0000751	RWBL MH35 6/2	06/02/00	Tissue	Primary	Red-Winged Blackbir	Background	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-04	E0000751	RWBL MH35 6/2	06/02/00	Tissue	Primary	Red-Winged Blackbir	Background	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2000 E1	EJN00-04	E0000751	RWBL MH35 6/2	06/02/00	Tissue	Primary	Red-Winged Blackbir	Background	7782-49-2	ICP, Hydride	Selenium	0.5	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-26-2000	0726SEMW	7/14/2000	7/26/2000	10:13
2000 E1	EJN00-04	E0000752	HOWR MH32 6/1	06/01/00	Tissue	Primary	House Wren	Background	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-04	E0000752	HOWR MH32 6/1	06/01/00	Tissue	Primary	House Wren	Background	NA	Gravimetric	Moisture Content	78	1	NA	%	NA	1								
2000 E1	EJN00-04	E0000752	HOWR MH32 6/1	06/01/00	Tissue	Primary	House Wren	Background	7782-49-2	ICP, Hydride	Selenium	0.48	0.02	MDL	ug/g	Wet Wt	1				VGICP_7-26-2000	0726SEMW	7/14/2000	7/26/2000	10:16

Event	UIASL Case #	UIASL Sample ID	Field Sample ID	Collection Date	Matrix	QC Type	Common Name	Spatial Relevance	CAS #	Method	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% Rec	QC Flag	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
2000 E1	EJN00-04	E0000753	YEWA BG15 6/4	06/04/00	Tissue	Primary	Yellow Warbler	Background	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-04	E0000753	YEWA BG15 6/4	06/04/00	Tissue	Primary	Yellow Warbler	Background	NA	Gravimetric	Moisture Content	81	1	NA	%	NA	1								
2000 E1	EJN00-04	E0000753	YEWA BG15 6/4	06/04/00	Tissue	Primary	Yellow Warbler	Background	7782-49-2	ICP, Hydride	Selenium	0.87	0.02	MDL	ug/g	Wet Wt	1				VGICP_7-26-2000	0726SEMW	7/14/2000	7/26/2000	10:19
2000 E1	EJN00-04	E0000754	BARS BP38 6/4	06/04/00	Tissue	Primary	Barn Swallow	Regional	7440-43-9	ICP - AES	Cadmium	0.062	0.1	MDL	ug/g	Wet Wt	1				ICP_8-22-00A	0822CDMW	8/22/2000	8/22/2000	13:10
2000 E1	EJN00-04	E0000754	BARS BP38 6/4	06/04/00	Tissue	Primary	Barn Swallow	Regional	NA	Gravimetric	Moisture Content	80	1	NA	%	NA	1								
2000 E1	EJN00-04	E0000754	BARS BP38 6/4	06/04/00	Tissue	Primary	Barn Swallow	Regional	7782-49-2	ICP, Hydride	Selenium	0.44	0.02	MDL	ug/g	Wet Wt	1				VGICP_7-26-2000	0726SEMW	7/14/2000	7/26/2000	10:22
2000 E1	EJN00-04	E0000755	YEWA BP39 6/4	06/04/00	Tissue	Primary	Yellow Warbler	Background	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-04	E0000755	YEWA BP39 6/4	06/04/00	Tissue	Primary	Yellow Warbler	Background	NA	Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
2000 E1	EJN00-04	E0000755	YEWA BP39 6/4	06/04/00	Tissue	Primary	Yellow Warbler	Background	7782-49-2	ICP, Hydride	Selenium	0.75	0.04	MDL	ug/g	Wet Wt	1				VGICP_7-26-2000	0726SEMW	7/14/2000	7/26/2000	10:25
2000 E1	EJN00-04	E0000756	MALL BG05 6/1	06/01/00	Tissue	Triplicate	Mallard	Background	7440-43-9	ICP - AES	Cadmium	0.017	0.025	MDL	ug/g	Wet Wt	1				ICP_8-22-00A	0822CDMW	8/22/2000	8/22/2000	13:12
2000 E1	EJN00-04	E0000756	MALL BG05 6/1	06/01/00	Tissue	Triplicate	Mallard	Background	NA	Gravimetric	Moisture Content	71	1	NA	%	NA	1								
2000 E1	EJN00-04	E0000756	MALL BG05 6/1	06/01/00	Tissue	Triplicate	Mallard	Background	7782-49-2	ICP, Hydride	Selenium	0.36	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-26-2000	0726SEMW	7/14/2000	7/26/2000	10:27
2000 E1	EJN00-04	E0000756-2	MALL BG05 6/1	06/01/00	Tissue	Triplicate	Mallard	Background	7440-43-9	ICP - AES	Cadmium	0.01	0.025	MDL	ug/g	Wet Wt	1				ICP_8-22-00A	0822CDMW	8/22/2000	8/22/2000	13:15
2000 E1	EJN00-04	E0000756-2	MALL BG05 6/1	06/01/00	Tissue	Triplicate	Mallard	Background	NA	Gravimetric	Moisture Content	72	1	NA	%	NA	1								
2000 E1	EJN00-04	E0000756-2	MALL BG05 6/1	06/01/00	Tissue	Triplicate	Mallard	Background	7782-49-2	ICP, Hydride	Selenium	0.36	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-26-2000	0726SEMW	7/14/2000	7/26/2000	10:30
2000 E1	EJN00-04	E0000756-3	MALL BG05 6/1	06/01/00	Tissue	Triplicate	Mallard	Background	7440-43-9	ICP - AES	Cadmium	0.017	0.025	MDL	ug/g	Wet Wt	1				ICP_8-22-00A	0822CDMW	8/22/2000	8/22/2000	13:17
2000 E1	EJN00-04	E0000756-3	MALL BG05 6/1	06/01/00	Tissue	Triplicate	Mallard	Background	NA	Gravimetric	Moisture Content	71	1	NA	%	NA	1								
2000 E1	EJN00-04	E0000756-3	MALL BG05 6/1	06/01/00	Tissue	Triplicate	Mallard	Background	7782-49-2	ICP, Hydride	Selenium	0.37	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-26-2000	0726SEMW	7/14/2000	7/26/2000	10:33
2000 E1	EJN00-04	E0000756MS	MALL BG05 6/1	06/01/00	Tissue	MS	Mallard	NA	7440-43-9	ICP - AES	Cadmium	105	NA	NA	%				105		ICP_8-22-00A	0822CDMW	8/22/2000	8/22/2000	13:20
2000 E1	EJN00-04	E0000756MS	MALL BG05 6/1	06/01/00	Tissue	MS	Mallard	NA	7782-49-2	ICP, Hydride	Selenium	98	NA	NA	%				98		VGICP_7-26-2000	0726SEMW	7/14/2000	7/26/2000	10:36
2000 E1	EJN00-04	E0000757	AMKE MH31 6/1	06/01/00	Tissue	Primary	American Kestrel	Background	7440-43-9	ICP - AES	Cadmium	0.015	0.025	MDL	ug/g	Wet Wt	1				ICP_8-22-00A	0822CDMW	8/22/2000	8/22/2000	13:22
2000 E1	EJN00-04	E0000757	AMKE MH31 6/1	06/01/00	Tissue	Primary	American Kestrel	Background	NA	Gravimetric	Moisture Content	81	1	NA	%	NA	1								
2000 E1	EJN00-04	E0000757	AMKE MH31 6/1	06/01/00	Tissue	Primary	American Kestrel	Background	7782-49-2	ICP, Hydride	Selenium	0.99	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-26-2000	0726SEMW	7/14/2000	7/26/2000	10:50
2000 E1	EJN00-04	E0000757D	AMKE MH31 6/1	06/01/00	Tissue	Lab Dupl	American Kestrel	Background	7440-43-9	ICP - AES	Cadmium	0.017	0.025	MDL	ug/g	Wet Wt	1				ICP_8-22-00A	0822CDMW	8/22/2000	8/22/2000	13:24
2000 E1	EJN00-04	E0000757D	AMKE MH31 6/1	06/01/00	Tissue	Lab Dupl	American Kestrel	Background	NA	Gravimetric	Moisture Content	81	1	NA	%	NA	1								
2000 E1	EJN00-04	E0000757D	AMKE MH31 6/1	06/01/00	Tissue	Lab Dupl	American Kestrel	Background	7782-49-2	ICP, Hydride	Selenium	1	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-26-2000	0726SEMW	7/14/2000	7/26/2000	10:53
2000 E1	EJN00-04	E0000758	HOWR MH37 6/3	06/03/00	Tissue	Primary	House Wren	Mine	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-04	E0000758	HOWR MH37 6/3	06/03/00	Tissue	Primary	House Wren	Mine	NA	Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
2000 E1	EJN00-04	E0000758	HOWR MH37 6/3	06/03/00	Tissue	Primary	House Wren	Mine	7782-49-2	ICP, Hydride	Selenium	0.66	0.017	MDL	ug/g	Wet Wt	1				VGICP_7-26-2000	0726SEMW	7/14/2000	7/26/2000	10:56
2000 E1	EJN00-04	E0000759	YEWA DJ34 6/3	06/03/00	Tissue	Primary	Yellow Warbler	Regional	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-04	E0000759	YEWA DJ34 6/3	06/03/00	Tissue	Primary	Yellow Warbler	Regional	NA	Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
2000 E1	EJN00-04	E0000759	YEWA DJ34 6/3	06/03/00	Tissue	Primary	Yellow Warbler	Regional	7782-49-2	ICP, Hydride	Selenium	QNS	0.01	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-04	E0000760	BHCO DJ35 6/3	06/03/00	Tissue	Primary	rown-Headed Cowbi	Regional	7440-43-9	ICP - AES	Cadmium	0.024	0.05	MDL	ug/g	Wet Wt	1				ICP_8-22-00A	0822CDMW	8/22/2000	8/22/2000	13:27
2000 E1	EJN00-04	E0000760	BHCO DJ35 6/3	06/03/00	Tissue	Primary	rown-Headed Cowbi	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2000 E1	EJN00-04	E0000760	BHCO DJ35 6/3	06/03/00	Tissue	Primary	rown-Headed Cowbi	Regional	7782-49-2	ICP, Hydride	Selenium	0.56	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-26-2000	0726SEMW	7/14/2000	7/26/2000	10:59
2000 E1	EJN00-04	E0000761	RWBL DJ31 6/2	06/02/00	Tissue	Primary	Red-Winged Blackbir	Background	7440-43-9	ICP - AES	Cadmium	0.01	0.03	MDL	ug/g	Wet Wt	1				ICP_8-22-00A	0822CDMW	8/22/2000	8/22/2000	13:29
2000 E1	EJN00-04	E0000761	RWBL DJ31 6/2	06/02/00	Tissue	Primary	Red-Winged Blackbir	Background	NA	Gravimetric	Moisture Content	81	1	NA	%	NA	1								
2000 E1	EJN00-04	E0000761	RWBL DJ31 6/2	06/02/00	Tissue	Primary	Red-Winged Blackbir	Background	7782-49-2	ICP, Hydride	Selenium	0.47	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-26-2000	0726SEMW	7/14/2000	7/26/2000	IRFL
2000 E1	EJN00-04	E0000761BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0502	0.01	MDL	ug/g	Wet Wt	1	0.050	100		VGICP_7-26-2000	0726SEMW	7/14/2000	7/26/2000	11:28
2000 E1	EJN00-04	E0000761CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0508	0.01	MDL	ug/g	Wet Wt	1	0.050	102		VGICP_7-26-2000	0726SEMW	7/14/2000	7/26/2000	11:25
2000 E1	EJN00-04	E0000761SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.403	0.01	MDL	ug/g	Wet Wt	1	0.446	90		VGICP_7-26-2000	0726SEMW	7/14/2000	7/26/2000	11:19
2000 E1	EJN00-04	E0000762	AMKE BP37 6/3	06/03/00	Tissue	Primary	American Kestrel	Mine	7440-43-9	ICP - AES	Cadmium	0.008	0.025	MDL	ug/g	Wet Wt	1				ICP_8-22-00A	0822CDMW	8/22/2000	8/22/2000	13:31
2000 E1	EJN00-04	E0000762	AMKE BP37 6/3	06/03/00	Tissue	Primary	American Kestrel	Mine	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2000 E1	EJN00-04	E0000762	AMKE BP37 6/3	06/03/00	Tissue	Primary	American Kestrel	Mine	7782-49-2	ICP, Hydride	Selenium	0.056	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-26-2000	0726SEMW	7/14/2000	7/26/2000	11:05
2000 E1	EJN00-04	E0000762B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	0	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-26-2000	0726SEMW	7/14/2000	7/26/2000	11:10
2000 E1	EJN00-04	E0000762D	AMKE BP37 6/3	06/03/00	Tissue	Lab Dupl	American Kestrel	Mine	7440-43-9	ICP - AES	Cadmium	0.009	0.025	MDL	ug/g	Wet Wt	1				ICP_8-22-00A	0822CDMW	8/22/2000	8/22/2000	13:34
2000 E1	EJN00-04	E0000762D	AMKE BP37 6/3	06/03/00	Tissue	Lab Dupl	American Kestrel	Mine	7782-49-2	ICP, Hydride	Selenium	0.05	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-26-2000	0726SEMW	7/14/2000	7/26/2000	11:07
2000 E1	EJN00-04	E0000763	AMKE MH34 6/1	06/01/00	Tissue	Primary	American Kestrel	Background	7440-43-9	ICP - AES	Cadmium	0.007	0.025	MDL	ug/g	Wet Wt	1				ICP_8-22-00A	0822CDMW	8/22/2000	8/22/2000	13:36
2000 E1	EJN00-04	E0000763	AMKE MH34 6/1	06/01/00	Tissue	Primary	American Kestrel	Background	NA	Gravimetric	Moisture Content	80	1	NA	%	NA	1								
2000 E1	EJN00-04	E0000763	AMKE MH34 6/1	06/01/00	Tissue	Primary	American Kestrel	Background	7782-49-2	ICP, Hydride	Selenium	0.4	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-26-2000	0727SEMW	7/26/2000	7/26/2000	12:31
2000 E1	EJN00-04	E0000763B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	0.001	0.025	MDL	ug/g	Wet Wt	1				ICP_8-22-00A	0822CDMW	8/22/2000	8/22/2000	13:45
2000 E1	EJN00-04	E0000763BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7440-43-9	ICP - AES	Cadmium	0.072	0.025	MDL	ug/g	Wet Wt	1	0.080	90		ICP_8-22-00A	0822CDMW	8/22/2000	8/22/2000	13:41
2000 E1	EJN00-04	E0000763CS	Check Standard	NA	Lab QC	CCV	NA	NA	7440-43-9	ICP - AES	Cadmium	0.095	0.025	MDL	ug/g	Wet Wt	1	0.100	95		ICP_8-22-00A	0822CDMW	8/22/2000	8/22/2000	13:43
2000 E1	EJN00-04	E0000763D	AMKE MH34 6/1	06/01/00	Tissue	Lab Dupl	American Kestrel	Background	NA	Gravimetric	Moisture Content	81	1	NA	%	NA	1								
2000 E1	EJN00-04	E0000763S1	TORT2	NA	Tissue	SRM	NA	NA	7782-49-2	ICP, Hydride	Selenium	5.55	0.01	MDL	ug/g	Wet Wt	1	5.630	99		VGICP_7-26-2000	0727SEMW	7/26/2000	7/26/2000	12:28
2000 E1	EJN00-04	E0000763SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	53.500	0.025	MDL	ug/g	Wet Wt	1	54.3	99		ICP_8-22-00A	0822CDMW	8/22/2000	8/22/2000	13:38
2000 E1	EJN00-04	E0000763SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.404	0.01	MDL	ug/g	Wet Wt	1	0.446	91		VGICP_7-26-2000	0727SEMW	7/26/2000	7/26/2000	12:25
2000 E1	EJN00-04	E0000764	SACR BP33 6/2	06/02/00	Tissue	Triplicate	Sandhill Crane	Background	7440-43-9	ICP - AES	Cadmium	-0.007	0.025	MDL	ug/g	Wet Wt	1				ICP_8-23-00A	0823CDMW	8/23/2000	8/23/2000	9:29
2000 E1	EJN00-04	E0000764	SACR BP33 6/2	06/02/00	Tissue	Triplicate	Sandhill Crane	Background	NA	Gravimetric	Moisture Content	79	1	NA	%	NA	1								
2000 E1	EJN00-04	E0000764	SACR BP33 6/2	06/02/00	Tissue	Triplicate	Sandhill Crane	Background	7782-49-2	ICP, Hydride	Selenium	0.22	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-26-2000	0727SEMW	7/26/2000	7/26/2000	12:33
2000 E1	EJN00-04	E0000764-2	SACR BP33 6/2	06/02/00	Tissue	Triplicate	Sandhill Crane	Background	7440-43-9	ICP - AES	Cadmium	-0.017	0.025	MDL	ug/g	Wet Wt	1				ICP_8-23-00A	0823CDMW	8/23/2000	8/23/2000	9:31
2000 E1	EJN00-04	E0000764-2	SACR BP33 6/2	06/02/00	Tissue	Triplicate	Sandhill Crane	Background	NA	Gravimetric	Moisture Content	79	1	NA	%	NA	1								
2000 E1	EJN00-04	E0000764-2	SACR BP33 6/2	06/02/00	Tissue	Triplicate	Sandhill Crane	Background	7782-49-2	ICP, Hydride	Selenium	0.22	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-26-2000	0727SEMW	7/26/2000	7/26/2000	12:36
2000 E1	EJN00-04	E0000764-3	SACR BP33 6/2	06/02/00	Tissue	Triplicate	Sandhill Crane	Background	7440-43-9	ICP - AES	Cadmium	-0.013	0.025	MDL	ug/g	Wet Wt	1				ICP_8-23-00A	0823CDMW	8/23/2000	8/23/2000	9:34
2000 E1	EJN00-04	E0000764-3	SACR BP33 6/2	06/02/00	Tissue	Triplicate	Sandhill Crane	Background	NA	Gravimetric	Moisture Content	75	1	NA	%	NA	1								

Event	UIASL Case #	UIASL Sample ID	Field Sample ID	Collection Date	Matrix	QC Type	Common Name	Spatial Relevance	CAS #	Method	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% Rec	QC Flag	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
2000 E1	EJN00-04	E0000764-3	SACR BP33 6/2	06/02/00	Tissue	Triplicate	Sandhill Crane	Background	7782-49-2	ICP, Hydride	Selenium	0.27	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-26-2000	0727SEMW	7/26/2000	7/26/2000	12:39
2000 E1	EJN00-04	E0000764B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	-0.200	0.025	MDL	ug/g	Wet Wt	1				ICP_8-23-00A	0823CDMW	8/23/2000	8/23/2000	9:20
2000 E1	EJN00-04	E0000764BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7440-43-9	ICP - AES	Cadmium	0.079	0.025	MDL	ug/g	Wet Wt	1	0.080	99		ICP_8-23-00A	0823CDMW	8/23/2000	8/23/2000	9:24
2000 E1	EJN00-04	E0000764CS	Check Standard	NA	Lab QC	CCV	NA	NA	7440-43-9	ICP - AES	Cadmium	0.100	0.025	MDL	ug/g	Wet Wt	1	0.100	100		ICP_8-23-00A	0823CDMW	8/23/2000	8/23/2000	9:22
2000 E1	EJN00-04	E0000764MS	SACR BP33 6/2	06/02/00	Tissue	MS	Sandhill Crane	NA	7440-43-9	ICP - AES	Cadmium	106	NA	NA	%				106		ICP_8-23-00A	0823CDMW	8/23/2000	8/23/2000	9:36
2000 E1	EJN00-04	E0000764MS	SACR BP33 6/2	06/02/00	Tissue	MS	Sandhill Crane	NA	7782-49-2	ICP, Hydride	Selenium	95	NA	NA	%				95		VGICP_7-26-2000	0727SEMW	7/26/2000	7/26/2000	12:42
2000 E1	EJN00-04	E0000764SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	55.900	0.025	MDL	ug/g	Wet Wt	1	54.3	103		ICP_8-23-00A	0823CDMW	8/23/2000	8/23/2000	9:27
2000 E1	EJN00-04	E0000765	YEWA DJ38 6/4	06/04/00	Tissue	Primary	Yellow Warbler	Background	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-04	E0000765	YEWA DJ38 6/4	06/04/00	Tissue	Primary	Yellow Warbler	Background	NA	Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
2000 E1	EJN00-04	E0000765	YEWA DJ38 6/4	06/04/00	Tissue	Primary	Yellow Warbler	Background	7782-49-2	ICP, Hydride	Selenium	0.75	0.02	MDL	ug/g	Wet Wt	1				VGICP_7-26-2000	0727SEMW	7/26/2000	7/26/2000	12:45
2000 E1	EJN00-05	E0000766	CITE DJ29 6/1	06/01/00	Tissue	Triplicate	Cinnamon Teal	Background	7440-43-9	ICP - AES	Cadmium	-0.014	0.025	MDL	ug/g	Wet Wt	1				ICP_8-23-00A	0823CDMW	8/23/2000	8/23/2000	9:38
2000 E1	EJN00-05	E0000766	CITE DJ29 6/1	06/01/00	Tissue	Triplicate	Cinnamon Teal	Background	NA	Gravimetric	Moisture Content	70	1	NA	%	NA	1								
2000 E1	EJN00-05	E0000766	CITE DJ29 6/1	06/01/00	Tissue	Triplicate	Cinnamon Teal	Background	7782-49-2	ICP, Hydride	Selenium	0.35	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-26-2000	0727SEMW	7/26/2000	7/26/2000	12:48
2000 E1	EJN00-05	E0000766-2	CITE DJ29 6/1	06/01/00	Tissue	Triplicate	Cinnamon Teal	Background	7440-43-9	ICP - AES	Cadmium	-0.007	0.025	MDL	ug/g	Wet Wt	1				ICP_8-23-00A	0823CDMW	8/23/2000	8/23/2000	9:41
2000 E1	EJN00-05	E0000766-2	CITE DJ29 6/1	06/01/00	Tissue	Triplicate	Cinnamon Teal	Background	NA	Gravimetric	Moisture Content	70	1	NA	%	NA	1								
2000 E1	EJN00-05	E0000766-2	CITE DJ29 6/1	06/01/00	Tissue	Triplicate	Cinnamon Teal	Background	7782-49-2	ICP, Hydride	Selenium	0.34	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-26-2000	0727SEMW	7/26/2000	7/26/2000	12:51
2000 E1	EJN00-05	E0000766-3	CITE DJ29 6/1	06/01/00	Tissue	Triplicate	Cinnamon Teal	Background	7440-43-9	ICP - AES	Cadmium	-0.007	0.025	MDL	ug/g	Wet Wt	1				ICP_8-23-00A	0823CDMW	8/23/2000	8/23/2000	9:43
2000 E1	EJN00-05	E0000766-3	CITE DJ29 6/1	06/01/00	Tissue	Triplicate	Cinnamon Teal	Background	NA	Gravimetric	Moisture Content	71	1	NA	%	NA	1								
2000 E1	EJN00-05	E0000766-3	CITE DJ29 6/1	06/01/00	Tissue	Triplicate	Cinnamon Teal	Background	7782-49-2	ICP, Hydride	Selenium	0.34	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-26-2000	0727SEMW	7/26/2000	7/26/2000	12:54
2000 E1	EJN00-05	E0000766MS	CITE DJ29 6/1	06/01/00	Tissue	MS	Cinnamon Teal	NA	7440-43-9	ICP - AES	Cadmium	111	NA	NA	%				111		ICP_8-23-00A	0823CDMW	8/23/2000	8/23/2000	9:45
2000 E1	EJN00-05	E0000766MS	CITE DJ29 6/1	06/01/00	Tissue	MS	Cinnamon Teal	NA	7782-49-2	ICP, Hydride	Selenium	101	NA	NA	%				101		VGICP_7-26-2000	0727SEMW	7/26/2000	7/26/2000	12:56
2000 E1	EJN00-05	E0000767	AMKE BG03 6/1	06/01/00	Tissue	Primary	American Kestrel	Background	7440-43-9	ICP - AES	Cadmium	-0.008	0.025	MDL	ug/g	Wet Wt	1				ICP_8-23-00A	0823CDMW	8/23/2000	8/23/2000	9:48
2000 E1	EJN00-05	E0000767	AMKE BG03 6/1	06/01/00	Tissue	Primary	American Kestrel	Background	NA	Gravimetric	Moisture Content	81	1	NA	%	NA	1								
2000 E1	EJN00-05	E0000767	AMKE BG03 6/1	06/01/00	Tissue	Primary	American Kestrel	Background	7782-49-2	ICP, Hydride	Selenium	0.48	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-26-2000	0727SEMW	7/26/2000	7/26/2000	12:59
2000 E1	EJN00-05	E0000767B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	-0.002	0.025	MDL	ug/g	Wet Wt	1				ICP_8-23-00A	0823CDMW	8/23/2000	8/23/2000	9:52
2000 E1	EJN00-05	E0000767BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7440-43-9	ICP - AES	Cadmium	0.081	0.025	MDL	ug/g	Wet Wt	1	0.080	101		ICP_8-23-00A	0823CDMW	8/23/2000	8/23/2000	9:55
2000 E1	EJN00-05	E0000767CS	Check Standard	NA	Lab QC	CCV	NA	NA	7440-43-9	ICP - AES	Cadmium	0.101	0.025	MDL	ug/g	Wet Wt	1	0.100	101		ICP_8-23-00A	0823CDMW	8/23/2000	8/23/2000	9:50
2000 E1	EJN00-05	E0000767SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	55.500	0.025	MDL	ug/g	Wet Wt	1	54.3	102		ICP_8-23-00A	0823CDMW	8/23/2000	8/23/2000	9:57
2000 E1	EJN00-05	E0000768	BHCO BG13 6/4	06/04/00	Tissue	Primary	rown-Headed Cowbi	Background	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-05	E0000768	BHCO BG13 6/4	06/04/00	Tissue	Primary	rown-Headed Cowbi	Background	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2000 E1	EJN00-05	E0000768	BHCO BG13 6/4	06/04/00	Tissue	Primary	rown-Headed Cowbi	Background	7782-49-2	ICP, Hydride	Selenium	0.44	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-26-2000	0727SEMW	7/26/2000	7/26/2000	13:02
2000 E1	EJN00-05	E0000769	AMCO BG07 6/3	06/03/00	Tissue	Primary	American Coot	Regional	7440-43-9	ICP - AES	Cadmium	-0.017	0.025	MDL	ug/g	Wet Wt	1				ICP_8-23-00A	0823CDMW	8/23/2000	8/23/2000	9:59
2000 E1	EJN00-05	E0000769	AMCO BG07 6/3	06/03/00	Tissue	Primary	American Coot	Regional	NA	Gravimetric	Moisture Content	78	1	NA	%	NA	1								
2000 E1	EJN00-05	E0000769	AMCO BG07 6/3	06/03/00	Tissue	Primary	American Coot	Regional	7782-49-2	ICP, Hydride	Selenium	2.8	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-26-2000	0727SEMW	7/26/2000	7/26/2000	13:05
2000 E1	EJN00-05	E0000769D	AMCO BG07 6/3	06/03/00	Tissue	Lab Dupl	American Coot	Regional	7782-49-2	ICP, Hydride	Selenium	3	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-26-2000	0727SEMW	7/26/2000	7/26/2000	13:08
2000 E1	EJN00-05	E0000770	YEWA BG16 6/4	06/04/00	Tissue	Primary	Yellow Warbler	Background	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-05	E0000770	YEWA BG16 6/4	06/04/00	Tissue	Primary	Yellow Warbler	Background	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2000 E1	EJN00-05	E0000770	YEWA BG16 6/4	06/04/00	Tissue	Primary	Yellow Warbler	Background	7782-49-2	ICP, Hydride	Selenium	1	0.017	MDL	ug/g	Wet Wt	1				VGICP_7-26-2000	0727SEMW	7/26/2000	7/26/2000	13:11
2000 E1	EJN00-05	E0000771	YEWA BG14 6/4	06/04/00	Tissue	Primary	Yellow Warbler	Background	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-05	E0000771	YEWA BG14 6/4	06/04/00	Tissue	Primary	Yellow Warbler	Background	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2000 E1	EJN00-05	E0000771	YEWA BG14 6/4	06/04/00	Tissue	Primary	Yellow Warbler	Background	7782-49-2	ICP, Hydride	Selenium	0.82	0.012	MDL	ug/g	Wet Wt	1				VGICP_7-26-2000	0727SEMW	7/26/2000	7/26/2000	13:13
2000 E1	EJN00-05	E0000772	TRES MH38 6/3	06/03/00	Tissue	Primary	Tree Swallow	Mine	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-05	E0000772	TRES MH38 6/3	06/03/00	Tissue	Primary	Tree Swallow	Mine	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2000 E1	EJN00-05	E0000772	TRES MH38 6/3	06/03/00	Tissue	Primary	Tree Swallow	Mine	7782-49-2	ICP, Hydride	Selenium	0.64	0.017	MDL	ug/g	Wet Wt	1				VGICP_7-26-2000	0727SEMW	7/26/2000	7/26/2000	13:16
2000 E1	EJN00-05	E0000773	TRES BP34 6/3	06/03/00	Tissue	Primary	Tree Swallow	Mine	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-05	E0000773	TRES BP34 6/3	06/03/00	Tissue	Primary	Tree Swallow	Mine	NA	Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
2000 E1	EJN00-05	E0000773	TRES BP34 6/3	06/03/00	Tissue	Primary	Tree Swallow	Mine	7782-49-2	ICP, Hydride	Selenium	1.4	0.02	MDL	ug/g	Wet Wt	1				VGICP_7-26-2000	0727SEMW	7/26/2000	7/26/2000	13:19
2000 E1	EJN00-05	E0000774	TRES BP36 6/3	06/03/00	Tissue	Primary	Tree Swallow	Regional	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-05	E0000774	TRES BP36 6/3	06/03/00	Tissue	Primary	Tree Swallow	Regional	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2000 E1	EJN00-05	E0000774	TRES BP36 6/3	06/03/00	Tissue	Primary	Tree Swallow	Regional	7782-49-2	ICP, Hydride	Selenium	0.69	0.02	MDL	ug/g	Wet Wt	1				VGICP_7-26-2000	0727SEMW	7/26/2000	7/26/2000	13:22
2000 E1	EJN00-05	E0000775	AMKE BP35 6/3	06/03/00	Tissue	Primary	American Kestrel	Mine	7440-43-9	ICP - AES	Cadmium	-0.006	0.025	MDL	ug/g	Wet Wt	1				ICP_8-23-00A	0823CDMW	8/23/2000	8/23/2000	10:02
2000 E1	EJN00-05	E0000775	AMKE BP35 6/3	06/03/00	Tissue	Primary	American Kestrel	Mine	NA	Gravimetric	Moisture Content	81	1	NA	%	NA	1								
2000 E1	EJN00-05	E0000775	AMKE BP35 6/3	06/03/00	Tissue	Primary	American Kestrel	Mine	7782-49-2	ICP, Hydride	Selenium	2.8	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-26-2000	0727SEMW	7/26/2000	7/26/2000	13:34
2000 E1	EJN00-05	E0000775B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	0	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-26-2000	0727SEMW	7/26/2000	7/26/2000	13:40
2000 E1	EJN00-05	E0000775BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0519	0.01	MDL	ug/g	Wet Wt	1	0.050	104		VGICP_7-26-2000	0727SEMW	7/26/2000	7/26/2000	13:45
2000 E1	EJN00-05	E0000775CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0555	0.01	MDL	ug/g	Wet Wt	1	0.050	111		VGICP_7-26-2000	0727SEMW	7/26/2000	7/26/2000	13:42
2000 E1	EJN00-05	E0000775D	AMKE BP35 6/3	06/03/00	Tissue	Lab Dupl	American Kestrel	Mine	NA	Gravimetric	Moisture Content	81	1	NA	%	NA	1								
2000 E1	EJN00-05	E0000775D	AMKE BP35 6/3	06/03/00	Tissue	Lab Dupl	American Kestrel	Mine	7782-49-2	ICP, Hydride	Selenium	2.7	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-26-2000	0727SEMW	7/26/2000	7/26/2000	13:37
2000 E1	EJN00-05	E0000775SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.408	0.01	MDL	ug/g	Wet Wt	1	0.446	91		VGICP_7-26-2000	0727SEMW	7/26/2000	7/26/2000	13:48
2000 E1	EJN00-08	E0000822	KILL BG21 6/6	06/06/00	Tissue	Primary	Killdeer	Background	7440-43-9	ICP - AES	Cadmium	-0.007	0.025	MDL	ug/g	Wet Wt	1				ICP_8-23-00A	0823CDMW	8/23/2000	8/23/2000	10:04
2000 E1	EJN00-08	E0000822	KILL BG21 6/6	06/06/00	Tissue	Primary	Killdeer	Background	NA	Gravimetric	Moisture Content	73	1	NA	%	NA	1								
2000 E1	EJN00-08	E0000822	KILL BG21 6/6	06/06/00	Tissue	Primary	Killdeer	Background	7782-49-2	ICP, Hydride	Selenium	0.58	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-24-2000	0724SEHMWB	7/17/2000	7/24/2000	16:04
2000 E1	EJN00-08	E0000822B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	0	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-24-2000	0724SEHMWB	7/17/2000	7/24/2000	15:57
2000 E1	EJN00-08	E0000822BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.053	0.01	MDL	ug/g	Wet Wt	1	0.050	106		VGICP_7-24-2000	0724SEHMWB	7/17/2000	7/24/2000	16:01
2000 E1	EJN00-08	E0000822CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.052	0.01	MDL	ug/g	Wet Wt	1	0.050	104		VGICP_7-24-2000	0724SEHMWB	7/17/2000	7/24/2000	15:59

Event	UIASL Case #	UIASL Sample ID	Field Sample ID	Collection Date	Matrix	QC Type	Common Name	Spatial Relevance	CAS #	Method	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% Rec	QC Flag	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
2000 E1	EJN00-08	E0000822D	KILL BG21 6/6	06/06/00	Tissue	Lab Dupl	Killdeer	Background	7440-43-9	ICP - AES	Cadmium	-0.009	0.025	MDL	ug/g	Wet Wt	1				ICP_8-23-00A	0823CDMW	8/23/2000	8/23/2000	10:06
2000 E1	EJN00-08	E0000822SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.397	0.01	MDL	ug/g	Wet Wt	1	0.446	89		VGICP_7-24-2000	0724SEHMWB	7/17/2000	7/24/2000	15:55
2000 E1	EJN00-08	E0000823	CLSW BG23 6/8	06/08/00	Tissue	Primary	Cliff Swallow	Regional	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-08	E0000823	CLSW BG23 6/8	06/08/00	Tissue	Primary	Cliff Swallow	Regional	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2000 E1	EJN00-08	E0000823	CLSW BG23 6/8	06/08/00	Tissue	Primary	Cliff Swallow	Regional	7782-49-2	ICP, Hydride	Selenium	0.8	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-24-2000	0724SEHMWB	7/17/2000	7/24/2000	16:06
2000 E1	EJN00-08	E0000824	CLSW BG26 6/8	06/08/00	Tissue	Primary	Cliff Swallow	Regional	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-08	E0000824	CLSW BG26 6/8	06/08/00	Tissue	Primary	Cliff Swallow	Regional	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2000 E1	EJN00-08	E0000824	CLSW BG26 6/8	06/08/00	Tissue	Primary	Cliff Swallow	Regional	7782-49-2	ICP, Hydride	Selenium	0.88	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-24-2000	0724SEHMWB	7/17/2000	7/24/2000	16:09
2000 E1	EJN00-08	E0000825	CLSW BG27 6/8	06/08/00	Tissue	Primary	Cliff Swallow	Regional	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-08	E0000825	CLSW BG27 6/8	06/08/00	Tissue	Primary	Cliff Swallow	Regional	NA	Gravimetric	Moisture Content	81	1	NA	%	NA	1								
2000 E1	EJN00-08	E0000825	CLSW BG27 6/8	06/08/00	Tissue	Primary	Cliff Swallow	Regional	7782-49-2	ICP, Hydride	Selenium	0.9	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-24-2000	0724SEHMWB	7/17/2000	7/24/2000	16:11
2000 E1	EJN00-08	E0000826	CLSW BG31 6/9	06/09/00	Tissue	Primary	Cliff Swallow	Background	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-08	E0000826	CLSW BG31 6/9	06/09/00	Tissue	Primary	Cliff Swallow	Background	NA	Gravimetric	Moisture Content	78	1	NA	%	NA	1								
2000 E1	EJN00-08	E0000826	CLSW BG31 6/9	06/09/00	Tissue	Primary	Cliff Swallow	Background	7782-49-2	ICP, Hydride	Selenium	0.69	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-24-2000	0724SEHMWB	7/17/2000	7/24/2000	16:14
2000 E1	EJN00-08	E0000827	YHBL BP43 6/9	06/09/00	Tissue	Primary	ellow Headed Blackbi	Background	7440-43-9	ICP - AES	Cadmium	-0.008	0.03	MDL	ug/g	Wet Wt	1				ICP_8-23-00A	0823CDMW	8/23/2000	8/23/2000	10:08
2000 E1	EJN00-08	E0000827	YHBL BP43 6/9	06/09/00	Tissue	Primary	ellow Headed Blackbi	Background	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2000 E1	EJN00-08	E0000827	YHBL BP43 6/9	06/09/00	Tissue	Primary	ellow Headed Blackbi	Background	7782-49-2	ICP, Hydride	Selenium	1	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-24-2000	0724SEHMWB	7/17/2000	7/24/2000	16:16
2000 E1	EJN00-08	E0000828	CLSW DJ50 6/9	06/09/00	Tissue	Primary	Cliff Swallow	Background	7440-43-9	ICP - AES	Cadmium	0.03	0.05	MDL	ug/g	Wet Wt	1				ICP_8-23-00A	0823CDMW	8/23/2000	8/23/2000	10:11
2000 E1	EJN00-08	E0000828	CLSW DJ50 6/9	06/09/00	Tissue	Primary	Cliff Swallow	Background	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2000 E1	EJN00-08	E0000828	CLSW DJ50 6/9	06/09/00	Tissue	Primary	Cliff Swallow	Background	7782-49-2	ICP, Hydride	Selenium	0.66	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-24-2000	0724SEHMWB	7/17/2000	7/24/2000	16:19
2000 E1	EJN00-08	E0000829	CLSW DJ49 6/9	06/09/00	Tissue	Primary	Cliff Swallow	Background	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-08	E0000829	CLSW DJ49 6/9	06/09/00	Tissue	Primary	Cliff Swallow	Background	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2000 E1	EJN00-08	E0000829	CLSW DJ49 6/9	06/09/00	Tissue	Primary	Cliff Swallow	Background	7782-49-2	ICP, Hydride	Selenium	0.59	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-24-2000	0724SEHMWB	7/17/2000	7/24/2000	16:22
2000 E1	EJN00-08	E0000830	SOSP DJ48 6/9	06/09/00	Tissue	Primary	Song Sparrow	Background	7440-43-9	ICP - AES	Cadmium	-0.048	0.05	MDL	ug/g	Wet Wt	1				ICP_8-23-00A	0823CDMW	8/23/2000	8/23/2000	10:14
2000 E1	EJN00-08	E0000830	SOSP DJ48 6/9	06/09/00	Tissue	Primary	Song Sparrow	Background	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2000 E1	EJN00-08	E0000830	SOSP DJ48 6/9	06/09/00	Tissue	Primary	Song Sparrow	Background	7782-49-2	ICP, Hydride	Selenium	0.62	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-24-2000	0724SEHMWB	7/17/2000	7/24/2000	16:24
2000 E1	EJN00-08	E0000831	CLSW BG25 6/8	06/08/00	Tissue	Primary	Cliff Swallow	Regional	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-08	E0000831	CLSW BG25 6/8	06/08/00	Tissue	Primary	Cliff Swallow	Regional	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2000 E1	EJN00-08	E0000831	CLSW BG25 6/8	06/08/00	Tissue	Primary	Cliff Swallow	Regional	7782-49-2	ICP, Hydride	Selenium	0.62	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-24-2000	0724SEHMWB	7/17/2000	7/24/2000	16:27
2000 E1	EJN00-08	E0000832	YEWA BG33 6/9	06/09/00	Tissue	Primary	Yellow Warbler	Regional	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-08	E0000832	YEWA BG33 6/9	06/09/00	Tissue	Primary	Yellow Warbler	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2000 E1	EJN00-08	E0000832	YEWA BG33 6/9	06/09/00	Tissue	Primary	Yellow Warbler	Regional	7782-49-2	ICP, Hydride	Selenium	0.62	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-24-2000	0724SEHMWB	7/17/2000	7/24/2000	16:29
2000 E1	EJN00-08	E0000832B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	0	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-24-2000	0724SEHMWB	7/17/2000	7/24/2000	16:32
2000 E1	EJN00-08	E0000832BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.052	0.01	MDL	ug/g	Wet Wt	1	0.050	104		VGICP_7-24-2000	0724SEHMWB	7/17/2000	7/24/2000	16:37
2000 E1	EJN00-08	E0000832CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.051	0.01	MDL	ug/g	Wet Wt	1	0.050	102		VGICP_7-24-2000	0724SEHMWB	7/17/2000	7/24/2000	16:35
2000 E1	EJN00-08	E0000832SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.415	0.01	MDL	ug/g	Wet Wt	1	0.446	93		VGICP_7-24-2000	0724SEHMWB	7/17/2000	7/24/2000	16:40
2000 E1	EJN00-08	E0000833	YEWA BG34 6/9	06/09/00	Tissue	Primary	Yellow Warbler	Regional	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-08	E0000833	YEWA BG34 6/9	06/09/00	Tissue	Primary	Yellow Warbler	Regional	NA	Gravimetric	Moisture Content	81	1	NA	%	NA	1								
2000 E1	EJN00-08	E0000833	YEWA BG34 6/9	06/09/00	Tissue	Primary	Yellow Warbler	Regional	7782-49-2	ICP, Hydride	Selenium	0.8	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-24-2000	0724SEHMWB	7/17/2000	7/24/2000	16:42
2000 E1	EJN00-08	E0000834	BRBL DJ47 6/6	06/06/00	Tissue	Primary	Brewer's Blackbird	Background	7440-43-9	ICP - AES	Cadmium	-0.013	0.05	MDL	ug/g	Wet Wt	1				ICP_8-23-00A	0823CDMW	8/23/2000	8/23/2000	10:16
2000 E1	EJN00-08	E0000834	BRBL DJ47 6/6	06/06/00	Tissue	Primary	Brewer's Blackbird	Background	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2000 E1	EJN00-08	E0000834	BRBL DJ47 6/6	06/06/00	Tissue	Primary	Brewer's Blackbird	Background	7782-49-2	ICP, Hydride	Selenium	0.53	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-24-2000	0724SEHMWB	7/17/2000	7/24/2000	16:45
2000 E1	EJN00-08	E0000834D	BRBL DJ47 6/6	06/06/00	Tissue	Lab Dupl	Brewer's Blackbird	Background	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2000 E1	EJN00-08	E0000834D	BRBL DJ47 6/6	06/06/00	Tissue	Lab Dupl	Brewer's Blackbird	Background	7782-49-2	ICP, Hydride	Selenium	0.54	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-24-2000	0724SEHMWB	7/17/2000	7/24/2000	16:47
2000 E1	EJN00-08	E0000835	BRBL BG22 6/6	06/06/00	Tissue	Primary	Brewer's Blackbird	Background	7440-43-9	ICP - AES	Cadmium	0.003	0.05	MDL	ug/g	Wet Wt	1				ICP_8-23-00A	0823CDMW	8/23/2000	8/23/2000	10:18
2000 E1	EJN00-08	E0000835	BRBL BG22 6/6	06/06/00	Tissue	Primary	Brewer's Blackbird	Background	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2000 E1	EJN00-08	E0000835	BRBL BG22 6/6	06/06/00	Tissue	Primary	Brewer's Blackbird	Background	7782-49-2	ICP, Hydride	Selenium	0.24	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-24-2000	0724SEHMWB	7/17/2000	7/24/2000	16:50
2000 E1	EJN00-08	E0000835D	BRBL BG22 6/6	06/06/00	Tissue	Lab Dupl	Brewer's Blackbird	Background	7782-49-2	ICP, Hydride	Selenium	0.24	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-24-2000	0724SEHMWB	7/17/2000	7/24/2000	16:52
2000 E1	EJN00-08	E0000836	RWBL DJ41 6/6	06/06/00	Tissue	Primary	Red-Winged Blackbir	Background	7440-43-9	ICP - AES	Cadmium	-0.013	0.05	MDL	ug/g	Wet Wt	1				ICP_8-23-00A	0823CDMW	8/23/2000	8/23/2000	10:21
2000 E1	EJN00-08	E0000836	RWBL DJ41 6/6	06/06/00	Tissue	Primary	Red-Winged Blackbir	Background	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2000 E1	EJN00-08	E0000836	RWBL DJ41 6/6	06/06/00	Tissue	Primary	Red-Winged Blackbir	Background	7782-49-2	ICP, Hydride	Selenium	0.27	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-24-2000	0724SEHMWB	7/17/2000	7/24/2000	16:55
2000 E1	EJN00-08	E0000837	BHCO DJ45 6/6	06/06/00	Tissue	Primary	rown-Headed Cowbi	Background	7440-43-9	ICP - AES	Cadmium	-0.079	0.1	MDL	ug/g	Wet Wt	1				ICP_8-23-00A	0823CDMW	8/23/2000	8/23/2000	10:23
2000 E1	EJN00-08	E0000837	BHCO DJ45 6/6	06/06/00	Tissue	Primary	rown-Headed Cowbi	Background	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2000 E1	EJN00-08	E0000837	BHCO DJ45 6/6	06/06/00	Tissue	Primary	rown-Headed Cowbi	Background	7782-49-2	ICP, Hydride	Selenium	0.32	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-24-2000	0724SEHMWB	7/17/2000	7/24/2000	16:58
2000 E1	EJN00-08	E0000838	BHCO DJ43 6/6	06/06/00	Tissue	Primary	rown-Headed Cowbi	Background	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-08	E0000838	BHCO DJ43 6/6	06/06/00	Tissue	Primary	rown-Headed Cowbi	Background	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2000 E1	EJN00-08	E0000838	BHCO DJ43 6/6	06/06/00	Tissue	Primary	rown-Headed Cowbi	Background	7782-49-2	ICP, Hydride	Selenium	0.25	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-24-2000	0724SEHMWB	7/17/2000	7/24/2000	17:00
2000 E1	EJN00-08	E0000839	CLSW BG32 6/9	06/09/00	Tissue	Primary	Cliff Swallow	Background	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-08	E0000839	CLSW BG32 6/9	06/09/00	Tissue	Primary	Cliff Swallow	Background	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2000 E1	EJN00-08	E0000839	CLSW BG32 6/9	06/09/00	Tissue	Primary	Cliff Swallow	Background	7782-49-2	ICP, Hydride	Selenium	0.69	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-24-2000	0724SEHMWB	7/17/2000	7/24/2000	17:03
2000 E1	EJN00-08	E0000839BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.052	0.01	MDL	ug/g	Wet Wt	1	0.050	104		VGICP_7-24-2000	0724SEHMWB	7/17/2000	7/24/2000	17:08
2000 E1	EJN00-08	E0000839BS	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	0	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-24-2000	0724SEHMWB	7/17/2000	7/24/2000	17:13
2000 E1	EJN00-08	E0000839CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.05	0.01	MDL	ug/g	Wet Wt	1	0.050	100		VGICP_7-24-2000	0724SEHMWB	7/17/2000	7/24/2000	17:10
2000 E1	EJN00-08	E0000839SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.389	0.01	MDL	ug/g	Wet Wt	1	0.446	87		VGICP_7-24-2000	0724SEHMWB	7/17/2000	7/24/2000	17:05
2000 E1	EJN00-08	E0000840	BARS BG28 6/8	06/08/00	Tissue	Primary	Barn Swallow	Regional	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA

Event	UIASL Case #	UIASL Sample ID	Field Sample ID	Collection Date	Matrix	QC Type	Common Name	Spatial Relevance	CAS #	Method	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% Rec	QC Flag	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
2000 E1	EJN00-08	E0000840	BARS BG28 6/8	06/08/00	Tissue	Primary	Barn Swallow	Regional	NA	Gravimetric	Moisture Content	81	1	NA	%	NA	1								
2000 E1	EJN00-08	E0000840	BARS BG28 6/8	06/08/00	Tissue	Primary	Barn Swallow	Regional	7782-49-2	ICP, Hydride	Selenium	1	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-24-2000	0724SEHMW	7/17/2000	7/24/2000	12:22
2000 E1	EJN00-08	E0000840B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	0	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-24-2000	0724SEHMW	7/17/2000	7/24/2000	12:12
2000 E1	EJN00-08	E0000840BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.055	0.01	MDL	ug/g	Wet Wt	1	0.050	110		VGICP_7-24-2000	0724SEHMW	7/17/2000	7/24/2000	12:17
2000 E1	EJN00-08	E0000840CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.052	0.01	MDL	ug/g	Wet Wt	1	0.050	104		VGICP_7-24-2000	0724SEHMW	7/17/2000	7/24/2000	12:14
2000 E1	EJN00-08	E0000840SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.444	0.01	MDL	ug/g	Wet Wt	1	0.446	100		VGICP_7-24-2000	0724SEHMW	7/17/2000	7/24/2000	12:19
2000 E1	EJN00-08	E0000841	CLSW BG24 6/8	06/08/00	Tissue	Primary	Cliff Swallow	Regional	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-08	E0000841	CLSW BG24 6/8	06/08/00	Tissue	Primary	Cliff Swallow	Regional	NA	Gravimetric	Moisture Content	81	1	NA	%	NA	1								
2000 E1	EJN00-08	E0000841	CLSW BG24 6/8	06/08/00	Tissue	Primary	Cliff Swallow	Regional	7782-49-2	ICP, Hydride	Selenium	0.75	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-24-2000	0724SEHMW	7/17/2000	7/24/2000	12:25
2000 E1	EJN00-08	E0000842	YEWA DJ44 6/6	06/06/00	Tissue	Primary	Yellow Warbler	Background	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-08	E0000842	YEWA DJ44 6/6	06/06/00	Tissue	Primary	Yellow Warbler	Background	NA	Gravimetric	Moisture Content	81	1	NA	%	NA	1								
2000 E1	EJN00-08	E0000842	YEWA DJ44 6/6	06/06/00	Tissue	Primary	Yellow Warbler	Background	7782-49-2	ICP, Hydride	Selenium	0.59	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-24-2000	0724SEHMW	7/17/2000	7/24/2000	12:27
2000 E1	EJN00-08	E0000843	YEWA DJ42 6/6	06/06/00	Tissue	Primary	Yellow Warbler	Background	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-08	E0000843	YEWA DJ42 6/6	06/06/00	Tissue	Primary	Yellow Warbler	Background	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2000 E1	EJN00-08	E0000843	YEWA DJ42 6/6	06/06/00	Tissue	Primary	Yellow Warbler	Background	7782-49-2	ICP, Hydride	Selenium	0.55	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-24-2000	0724SEHMW	7/17/2000	7/24/2000	12:30
2000 E1	EJN00-08	E0000844	RWBL MH41 6/4	06/04/00	Tissue	Primary	Red-Winged Blackbir	Background	7440-43-9	ICP - AES	Cadmium	0.018	0.1	MDL	ug/g	Wet Wt	1				ICP_8-23-00A	0823CDMW	8/23/2000	8/23/2000	10:25
2000 E1	EJN00-08	E0000844	RWBL MH41 6/4	06/04/00	Tissue	Primary	Red-Winged Blackbir	Background	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2000 E1	EJN00-08	E0000844	RWBL MH41 6/4	06/04/00	Tissue	Primary	Red-Winged Blackbir	Background	7782-49-2	ICP, Hydride	Selenium	0.37	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-24-2000	0724SEHMW	7/17/2000	7/24/2000	12:32
2000 E1	EJN00-08	E0000844D	RWBL MH41 6/4	06/04/00	Tissue	Lab Dupl	Red-Winged Blackbir	Background	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2000 E1	EJN00-08	E0000844D	RWBL MH41 6/4	06/04/00	Tissue	Lab Dupl	Red-Winged Blackbir	Background	7782-49-2	ICP, Hydride	Selenium	0.37	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-24-2000	0724SEHMW	7/17/2000	7/24/2000	12:35
2000 E1	EJN00-08	E0000845	TRES DJ36 6/4	06/04/00	Tissue	Primary	Tree Swallow	Background	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-08	E0000845	TRES DJ36 6/4	06/04/00	Tissue	Primary	Tree Swallow	Background	NA	Gravimetric	Moisture Content	81	1	NA	%	NA	1								
2000 E1	EJN00-08	E0000845	TRES DJ36 6/4	06/04/00	Tissue	Primary	Tree Swallow	Background	7782-49-2	ICP, Hydride	Selenium	0.9	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-24-2000	0724SEHMW	7/17/2000	7/24/2000	12:37
2000 E1	EJN00-08	E0000846	BARS DJ39 6/6	06/06/00	Tissue	Primary	Barn Swallow	Regional	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-08	E0000846	BARS DJ39 6/6	06/06/00	Tissue	Primary	Barn Swallow	Regional	NA	Gravimetric	Moisture Content	81	1	NA	%	NA	1								
2000 E1	EJN00-08	E0000846	BARS DJ39 6/6	06/06/00	Tissue	Primary	Barn Swallow	Regional	7782-49-2	ICP, Hydride	Selenium	0.38	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-24-2000	0724SEHMW	7/17/2000	7/24/2000	12:40
2000 E1	EJN00-08	E0000847	BRBL DJ46 6/6	06/06/00	Tissue	Primary	Brewer's Blackbird	Background	7440-43-9	ICP - AES	Cadmium	0.001	0.025	MDL	ug/g	Wet Wt	1				ICP_8-23-00A	0823CDMW	8/23/2000	8/23/2000	10:28
2000 E1	EJN00-08	E0000847	BRBL DJ46 6/6	06/06/00	Tissue	Primary	Brewer's Blackbird	Background	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2000 E1	EJN00-08	E0000847	BRBL DJ46 6/6	06/06/00	Tissue	Primary	Brewer's Blackbird	Background	7782-49-2	ICP, Hydride	Selenium	0.4	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-24-2000	0724SEHMW	7/17/2000	7/24/2000	12:42
2000 E1	EJN00-08	E0000847B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	-0.001	0.025	MDL	ug/g	Wet Wt	1				ICP_8-23-00A	0823CDMW	8/23/2000	8/23/2000	10:37
2000 E1	EJN00-08	E0000847BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7440-43-9	ICP - AES	Cadmium	0.082	0.025	MDL	ug/g	Wet Wt	1	0.080	103		ICP_8-23-00A	0823CDMW	8/23/2000	8/23/2000	10:32
2000 E1	EJN00-08	E0000847CS	Check Standard	NA	Lab QC	CCV	NA	NA	7440-43-9	ICP - AES	Cadmium	0.104	0.025	MDL	ug/g	Wet Wt	1	0.100	104		ICP_8-23-00A	0823CDMW	8/23/2000	8/23/2000	10:35
2000 E1	EJN00-08	E0000847D	BRBL DJ46 6/6	06/06/00	Tissue	Lab Dupl	Brewer's Blackbird	Background	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2000 E1	EJN00-08	E0000847SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	56.200	0.025	MDL	ug/g	Wet Wt	1	54.3	103		ICP_8-23-00A	0823CDMW	8/23/2000	8/23/2000	10:30
2000 E1	EJN00-08	E0000848	TRES MH40 6/4	06/04/00	Tissue	Primary	Tree Swallow	Background	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-08	E0000848	TRES MH40 6/4	06/04/00	Tissue	Primary	Tree Swallow	Background	NA	Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
2000 E1	EJN00-08	E0000848	TRES MH40 6/4	06/04/00	Tissue	Primary	Tree Swallow	Background	7782-49-2	ICP, Hydride	Selenium	1.6	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-24-2000	0724SEHMW	7/17/2000	7/24/2000	12:45
2000 E1	EJN00-08	E0000849	BARS BG17 6/6	06/06/00	Tissue	Primary	Barn Swallow	Regional	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-08	E0000849	BARS BG17 6/6	06/06/00	Tissue	Primary	Barn Swallow	Regional	NA	Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
2000 E1	EJN00-08	E0000849	BARS BG17 6/6	06/06/00	Tissue	Primary	Barn Swallow	Regional	7782-49-2	ICP, Hydride	Selenium	0.62	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-24-2000	0724SEHMW	7/17/2000	7/24/2000	12:47
2000 E1	EJN00-08	E0000849B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.001	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-24-2000	0724SEHMW	7/17/2000	7/24/2000	12:50
2000 E1	EJN00-08	E0000849BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.055	0.01	MDL	ug/g	Wet Wt	1	0.050	110		VGICP_7-24-2000	0724SEHMW	7/17/2000	7/24/2000	12:55
2000 E1	EJN00-08	E0000849CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.053	0.01	MDL	ug/g	Wet Wt	1	0.050	106		VGICP_7-24-2000	0724SEHMW	7/17/2000	7/24/2000	12:53
2000 E1	EJN00-08	E0000849SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.465	0.01	MDL	ug/g	Wet Wt	1	0.446	104		VGICP_7-24-2000	0724SEHMW	7/17/2000	7/24/2000	12:58
2000 E1	EJN00-08	E0000850	CLSW BG18 6/6	06/06/00	Tissue	Primary	Cliff Swallow	Background	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-08	E0000850	CLSW BG18 6/6	06/06/00	Tissue	Primary	Cliff Swallow	Background	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2000 E1	EJN00-08	E0000850	CLSW BG18 6/6	06/06/00	Tissue	Primary	Cliff Swallow	Background	7782-49-2	ICP, Hydride	Selenium	0.36	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-24-2000	0724SEHMW	7/17/2000	7/24/2000	14:24
2000 E1	EJN00-08	E0000851	RWBL BG12 6/4	06/04/00	Tissue	Primary	Red-Winged Blackbir	Background	7440-43-9	ICP - AES	Cadmium	0.037	0.03	MDL	ug/g	Wet Wt	1				ICP_9-1-00A	0901CDMWB	9/1/2000	9/1/2000	13:51
2000 E1	EJN00-08	E0000851	RWBL BG12 6/4	06/04/00	Tissue	Primary	Red-Winged Blackbir	Background	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2000 E1	EJN00-08	E0000851	RWBL BG12 6/4	06/04/00	Tissue	Primary	Red-Winged Blackbir	Background	7782-49-2	ICP, Hydride	Selenium	0.55	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-24-2000	0724SEHMW	7/17/2000	7/24/2000	14:26
2000 E1	EJN00-08	E0000851B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	0.001	0.025	MDL	ug/g	Wet Wt	1				ICP_9-1-00A	0901CDMWB	9/1/2000	9/1/2000	13:42
2000 E1	EJN00-08	E0000851BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7440-43-9	ICP - AES	Cadmium	0.082	0.025	MDL	ug/g	Wet Wt	1	0.080	103		ICP_9-1-00A	0901CDMWB	9/1/2000	9/1/2000	13:46
2000 E1	EJN00-08	E0000851CS	Check Standard	NA	Lab QC	CCV	NA	NA	7440-43-9	ICP - AES	Cadmium	0.100	0.025	MDL	ug/g	Wet Wt	1	0.100	100		ICP_9-1-00A	0901CDMWB	9/1/2000	9/1/2000	13:44
2000 E1	EJN00-08	E0000851SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	56.300	0.025	MDL	ug/g	Wet Wt	1	54.3	104		ICP_9-1-00A	0901CDMWB	9/1/2000	9/1/2000	13:49
2000 E1	EJN00-08	E0000852	CITE BG20 6/6	06/06/00	Tissue	Triplicate	Cinnamon Teal	Background	7440-43-9	ICP - AES	Cadmium	0.035	0.025	MDL	ug/g	Wet Wt	1				ICP_9-1-00A	0901CDMWB	9/1/2000	9/1/2000	13:53
2000 E1	EJN00-08	E0000852	CITE BG20 6/6	06/06/00	Tissue	Triplicate	Cinnamon Teal	Background	NA	Gravimetric	Moisture Content	69	1	NA	%	NA	1								
2000 E1	EJN00-08	E0000852	CITE BG20 6/6	06/06/00	Tissue	Triplicate	Cinnamon Teal	Background	7782-49-2	ICP, Hydride	Selenium	0.56	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-24-2000	0724SEHMW	7/17/2000	7/24/2000	14:29
2000 E1	EJN00-08	E0000852-2	CITE BG20 6/6	06/06/00	Tissue	Triplicate	Cinnamon Teal	Background	7440-43-9	ICP - AES	Cadmium	0.023	0.1	MDL	ug/g	Wet Wt	1				ICP_9-1-00A	0901CDMWB	9/1/2000	9/1/2000	13:56
2000 E1	EJN00-08	E0000852-2	CITE BG20 6/6	06/06/00	Tissue	Triplicate	Cinnamon Teal	Background	NA	Gravimetric	Moisture Content	69	1	NA	%	NA	1								
2000 E1	EJN00-08	E0000852-2	CITE BG20 6/6	06/06/00	Tissue	Triplicate	Cinnamon Teal	Background	7782-49-2	ICP, Hydride	Selenium	0.57	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-24-2000	0724SEHMW	7/17/2000	7/24/2000	14:31
2000 E1	EJN00-08	E0000852-3	CITE BG20 6/6	06/06/00	Tissue	Triplicate	Cinnamon Teal	Background	7440-43-9	ICP - AES	Cadmium	0.029	0.05	MDL	ug/g	Wet Wt	1				ICP_9-1-00A	0901CDMWB	9/1/2000	9/1/2000	13:58
2000 E1	EJN00-08	E0000852-3	CITE BG20 6/6	06/06/00	Tissue	Triplicate	Cinnamon Teal	Background	NA	Gravimetric	Moisture Content	69	1	NA	%	NA	1								
2000 E1	EJN00-08	E0000852-3	CITE BG20 6/6	06/06/00	Tissue	Triplicate	Cinnamon Teal	Background	7782-49-2	ICP, Hydride	Selenium	0.58	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-24-2000	0724SEHMW	7/17/2000	7/24/2000	14:34
2000 E1	EJN00-08	E0000852MS	CITE BG20 6/6	06/06/00	Tissue	MS	Cinnamon Teal	NA	7440-43-9	ICP - AES	Cadmium	106	NA	NA	%				106		ICP_9-1-00A	0901CDMWB	9/1/2000	9/1/2000	14:00
2000 E1	EJN00-08	E0000852MS	CITE BG20 6/6	06/06/00	Tissue	MS	Cinnamon Teal	NA	7782-49-2	ICP, Hydride	Selenium	112	NA	NA	%				112		VGICP_7-24-2000	0724SEHMW	7/17/2000	7/24/2000	14:37

Event	UIASL Case #	UIASL Sample ID	Field Sample ID	Collection Date	Matrix	QC Type	Common Name	Spatial Relevance	CAS #	Method	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% Rec	QC Flag	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
2000 E1	EJN00-08	E0000853	AMCO DJ32 6/3	06/03/00	Tissue	Triplicate	American Coot	Regional	7440-43-9	ICP - AES	Cadmium	0.018	0.025	MDL	ug/g	Wet Wt	1				ICP_9-1-00A	0901CDMWB	9/1/2000	9/1/2000	14:03
2000 E1	EJN00-08	E0000853	AMCO DJ32 6/3	06/03/00	Tissue	Triplicate	American Coot	Regional	NA	Gravimetric	Moisture Content	78	1	NA	%	NA	1								
2000 E1	EJN00-08	E0000853	AMCO DJ32 6/3	06/03/00	Tissue	Triplicate	American Coot	Regional	7782-49-2	ICP, Hydride	Selenium	3.3	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-24-2000	0724SEHMW	7/17/2000	7/24/2000	14:40
2000 E1	EJN00-08	E0000853-2	AMCO DJ32 6/3	06/03/00	Tissue	Triplicate	American Coot	Regional	7440-43-9	ICP - AES	Cadmium	0.024	0.025	MDL	ug/g	Wet Wt	1				ICP_9-1-00A	0901CDMWB	9/1/2000	9/1/2000	14:05
2000 E1	EJN00-08	E0000853-2	AMCO DJ32 6/3	06/03/00	Tissue	Triplicate	American Coot	Regional	NA	Gravimetric	Moisture Content	76	1	NA	%	NA	1								
2000 E1	EJN00-08	E0000853-2	AMCO DJ32 6/3	06/03/00	Tissue	Triplicate	American Coot	Regional	7782-49-2	ICP, Hydride	Selenium	3.1	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-24-2000	0724SEHMW	7/17/2000	7/24/2000	14:42
2000 E1	EJN00-08	E0000853-3	AMCO DJ32 6/3	06/03/00	Tissue	Triplicate	American Coot	Regional	7440-43-9	ICP - AES	Cadmium	0.001	0.025	MDL	ug/g	Wet Wt	1				ICP_9-1-00A	0901CDMWB	9/1/2000	9/1/2000	14:07
2000 E1	EJN00-08	E0000853-3	AMCO DJ32 6/3	06/03/00	Tissue	Triplicate	American Coot	Regional	NA	Gravimetric	Moisture Content	75	1	NA	%	NA	1								
2000 E1	EJN00-08	E0000853-3	AMCO DJ32 6/3	06/03/00	Tissue	Triplicate	American Coot	Regional	7782-49-2	ICP, Hydride	Selenium	2.7	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-24-2000	0724SEHMW	7/17/2000	7/24/2000	14:45
2000 E1	EJN00-08	E0000853B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	0	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-24-2000	0724SEHMW	7/17/2000	7/24/2000	15:00
2000 E1	EJN00-08	E0000853BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.054	0.01	MDL	ug/g	Wet Wt	1	0.050	108		VGICP_7-24-2000	0724SEHMW	7/17/2000	7/24/2000	14:52
2000 E1	EJN00-08	E0000853CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.055	0.01	MDL	ug/g	Wet Wt	1	0.050	110		VGICP_7-24-2000	0724SEHMW	7/17/2000	7/24/2000	14:57
2000 E1	EJN00-08	E0000853MS	AMCO DJ32 6/3	06/03/00	Tissue	MS	American Coot	NA	7440-43-9	ICP - AES	Cadmium	99	NA	NA	%				99		ICP_9-1-00A	0901CDMWB	9/1/2000	9/1/2000	14:10
2000 E1	EJN00-08	E0000853MS	AMCO DJ32 6/3	06/03/00	Tissue	MS	American Coot	NA	7782-49-2	ICP, Hydride	Selenium	66	NA	NA	%				66		VGICP_7-24-2000	0724SEHMW	7/17/2000	7/24/2000	14:47
2000 E1	EJN00-08	E0000853SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.464	0.01	MDL	ug/g	Wet Wt	1	0.446	104		VGICP_7-24-2000	0724SEHMW	7/17/2000	7/24/2000	14:50
2000 E1	EJN00-08	E0000854	TRES BG11 6/4	06/04/00	Tissue	Primary	Tree Swallow	Background	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-08	E0000854	TRES BG11 6/4	06/04/00	Tissue	Primary	Tree Swallow	Background	NA	Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
2000 E1	EJN00-08	E0000854	TRES BG11 6/4	06/04/00	Tissue	Primary	Tree Swallow	Background	7782-49-2	ICP, Hydride	Selenium	1.5	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-04-2000	0804SEH	7/25/2000	8/4/2000	10:16
2000 E1	EJN00-08	E0000854B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	0	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-04-2000	0804SEH	7/25/2000	8/4/2000	10:03
2000 E1	EJN00-08	E0000854BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.052	0.01	MDL	ug/g	Wet Wt	1	0.050	104		VGICP_8-04-2000	0804SEH	7/25/2000	8/4/2000	10:08
2000 E1	EJN00-08	E0000854CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.051	0.01	MDL	ug/g	Wet Wt	1	0.050	102		VGICP_8-04-2000	0804SEH	7/25/2000	8/4/2000	10:06
2000 E1	EJN00-08	E0000854S1	TORT2	NA	Tissue	SRM	NA	NA	7782-49-2	ICP, Hydride	Selenium	5.15	0.01	MDL	ug/g	Wet Wt	1	5.630	91		VGICP_8-04-2000	0804SEH	7/25/2000	8/4/2000	10:13
2000 E1	EJN00-08	E0000854SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.475	0.01	MDL	ug/g	Wet Wt	1	0.446	107		VGICP_8-04-2000	0804SEH	7/25/2000	8/4/2000	10:11
2000 E1	EJN00-08	E0000855	BARS BG29 6/8	06/08/00	Tissue	Primary	Barn Swallow	Regional	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-08	E0000855	BARS BG29 6/8	06/08/00	Tissue	Primary	Barn Swallow	Regional	NA	Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
2000 E1	EJN00-08	E0000855	BARS BG29 6/8	06/08/00	Tissue	Primary	Barn Swallow	Regional	7782-49-2	ICP, Hydride	Selenium	0.84	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-04-2000	0804SEH	7/25/2000	8/4/2000	10:19
2000 E1	EJN00-08	E0000856	CLSW DJ40 6/6	06/06/00	Tissue	Primary	Cliff Swallow	Background	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-08	E0000856	CLSW DJ40 6/6	06/06/00	Tissue	Primary	Cliff Swallow	Background	NA	Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
2000 E1	EJN00-08	E0000856	CLSW DJ40 6/6	06/06/00	Tissue	Primary	Cliff Swallow	Background	7782-49-2	ICP, Hydride	Selenium	0.35	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-04-2000	0804SEH	7/25/2000	8/4/2000	10:22
2000 E1	EJN00-08	E0000857	BARS BG30 6/8	06/08/00	Tissue	Primary	Barn Swallow	Regional	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-08	E0000857	BARS BG30 6/8	06/08/00	Tissue	Primary	Barn Swallow	Regional	NA	Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
2000 E1	EJN00-08	E0000857	BARS BG30 6/8	06/08/00	Tissue	Primary	Barn Swallow	Regional	7782-49-2	ICP, Hydride	Selenium	1.1	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-04-2000	0804SEH	7/25/2000	8/4/2000	10:24
2000 E1	EJN00-08	E0000858	AMCO BG08 6/3	06/03/00	Tissue	Triplicate	American Coot	Regional	7440-43-9	ICP - AES	Cadmium	0.022	0.05	MDL	ug/g	Wet Wt	1				ICP_9-1-00A	0901CDMWB	9/1/2000	9/1/2000	14:19
2000 E1	EJN00-08	E0000858	AMCO BG08 6/3	06/03/00	Tissue	Triplicate	American Coot	Regional	NA	Gravimetric	Moisture Content	75	1	NA	%	NA	1								
2000 E1	EJN00-08	E0000858	AMCO BG08 6/3	06/03/00	Tissue	Triplicate	American Coot	Regional	7782-49-2	ICP, Hydride	Selenium	3.3	0.01	MDL	ug/g	Wet Wt	10				VGICP_8-04-2000	0804SEH	7/25/2000	8/4/2000	10:33
2000 E1	EJN00-08	E0000858-2	AMCO BG08 6/3	06/03/00	Tissue	Triplicate	American Coot	Regional	7440-43-9	ICP - AES	Cadmium	0.045	0.1	MDL	ug/g	Wet Wt	1				ICP_9-1-00A	0901CDMWB	9/1/2000	9/1/2000	14:14
2000 E1	EJN00-08	E0000858-2	AMCO BG08 6/3	06/03/00	Tissue	Triplicate	American Coot	Regional	NA	Gravimetric	Moisture Content	74	1	NA	%	NA	1								
2000 E1	EJN00-08	E0000858-2	AMCO BG08 6/3	06/03/00	Tissue	Triplicate	American Coot	Regional	7782-49-2	ICP, Hydride	Selenium	3.3	0.01	MDL	ug/g	Wet Wt	10				VGICP_8-04-2000	0804SEH	7/25/2000	8/4/2000	10:36
2000 E1	EJN00-08	E0000858-3	AMCO BG08 6/3	06/03/00	Tissue	Triplicate	American Coot	Regional	7440-43-9	ICP - AES	Cadmium	0.071	0.1	MDL	ug/g	Wet Wt	1				ICP_9-1-00A	0901CDMWB	9/1/2000	9/1/2000	14:17
2000 E1	EJN00-08	E0000858-3	AMCO BG08 6/3	06/03/00	Tissue	Triplicate	American Coot	Regional	NA	Gravimetric	Moisture Content	74	1	NA	%	NA	1								
2000 E1	EJN00-08	E0000858-3	AMCO BG08 6/3	06/03/00	Tissue	Triplicate	American Coot	Regional	7782-49-2	ICP, Hydride	Selenium	3.5	0.01	MDL	ug/g	Wet Wt	10				VGICP_8-04-2000	0804SEH	7/25/2000	8/4/2000	10:38
2000 E1	EJN00-08	E0000858B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	0.001	0.025	MDL	ug/g	Wet Wt	1				ICP_9-1-00A	0901CDMWB	9/1/2000	9/1/2000	14:24
2000 E1	EJN00-08	E0000858BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7440-43-9	ICP - AES	Cadmium	0.081	0.025	MDL	ug/g	Wet Wt	1	0.080	101		ICP_9-1-00A	0901CDMWB	9/1/2000	9/1/2000	14:26
2000 E1	EJN00-08	E0000858CS	Check Standard	NA	Lab QC	CCV	NA	NA	7440-43-9	ICP - AES	Cadmium	0.103	0.025	MDL	ug/g	Wet Wt	1	0.100	103		ICP_9-1-00A	0901CDMWB	9/1/2000	9/1/2000	14:21
2000 E1	EJN00-08	E0000858MS	AMCO BG08 6/3	06/03/00	Tissue	MS	American Coot	NA	7440-43-9	ICP - AES	Cadmium	109	NA	NA	%				109		ICP_9-1-00A	0901CDMWB	9/1/2000	9/1/2000	14:12
2000 E1	EJN00-08	E0000858MS	AMCO BG08 6/3	06/03/00	Tissue	MS	American Coot	NA	7782-49-2	ICP, Hydride	Selenium	64	NA	NA	%				64		VGICP_8-04-2000	0804SEH	7/25/2000	8/4/2000	10:41
2000 E1	EJN00-08	E0000858SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	57.400	0.025	MDL	ug/g	Wet Wt	1	54.3	106		ICP_9-1-00A	0901CDMWB	9/1/2000	9/1/2000	14:28
2000 E1	EJN00-08	E0000859	AMCO BG09 6/3	06/03/00	Tissue	Primary	American Coot	Regional	7440-43-9	ICP - AES	Cadmium	-0.002	0.025	MDL	ug/g	Wet Wt	1				ICP_9-1-00A	0901CDMWB	9/1/2000	9/1/2000	14:31
2000 E1	EJN00-08	E0000859	AMCO BG09 6/3	06/03/00	Tissue	Primary	American Coot	Regional	NA	Gravimetric	Moisture Content	75	1	NA	%	NA	1								
2000 E1	EJN00-08	E0000859	AMCO BG09 6/3	06/03/00	Tissue	Primary	American Coot	Regional	7782-49-2	ICP, Hydride	Selenium	1	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-04-2000	0804SEH	7/25/2000	8/4/2000	10:43
2000 E1	EJN00-08	E0000859B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	0	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-04-2000	0804SEH	7/25/2000	8/4/2000	10:52
2000 E1	EJN00-08	E0000859BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.051	0.01	MDL	ug/g	Wet Wt	1	0.050	102		VGICP_8-04-2000	0804SEH	7/25/2000	8/4/2000	10:55
2000 E1	EJN00-08	E0000859CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.052	0.01	MDL	ug/g	Wet Wt	1	0.050	104		VGICP_8-04-2000	0804SEH	7/25/2000	8/4/2000	10:49
2000 E1	EJN00-08	E0000859D	AMCO BG09 6/3	06/03/00	Tissue	Lab Dupl	American Coot	Regional	7440-43-9	ICP - AES	Cadmium	0.02	0.025	MDL	ug/g	Wet Wt	1				ICP_9-1-00A	0901CDMWB	9/1/2000	9/1/2000	14:33
2000 E1	EJN00-08	E0000859D	AMCO BG09 6/3	06/03/00	Tissue	Lab Dupl	American Coot	Regional	NA	Gravimetric	Moisture Content	74	1	NA	%	NA	1								
2000 E1	EJN00-08	E0000859D	AMCO BG09 6/3	06/03/00	Tissue	Lab Dupl	American Coot	Regional	7782-49-2	ICP, Hydride	Selenium	1	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-04-2000	0804SEH	7/25/2000	8/4/2000	10:46
2000 E1	EJN00-08	E0000859SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.434	0.01	MDL	ug/g	Wet Wt	1	0.446	97		VGICP_8-04-2000	0804SEH	7/25/2000	8/4/2000	10:57
2000 E1	EJN00-08	E0000860	YEWA BP40 6/6	06/06/00	Tissue	Primary	Yellow Warbler	Background	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-08	E0000860	YEWA BP40 6/6	06/06/00	Tissue	Primary	Yellow Warbler	Background	NA	Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
2000 E1	EJN00-08	E0000860	YEWA BP40 6/6	06/06/00	Tissue	Primary	Yellow Warbler	Background	7782-49-2	ICP, Hydride	Selenium	0.59	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-04-2000	0804SEH	7/25/2000	8/4/2000	11:00
2000 E1	EJN00-08	E0000861	RWBL DJ37 6/4	06/04/00	Tissue	Primary	Red-Winged Blackbird	Background	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-08	E0000861	RWBL DJ37 6/4	06/04/00	Tissue	Primary	Red-Winged Blackbird	Background	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2000 E1	EJN00-08	E0000861	RWBL DJ37 6/4	06/04/00	Tissue	Primary	Red-Winged Blackbird	Background	7782-49-2	ICP, Hydride	Selenium	0.33	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-04-2000	0804SEH	7/25/2000	8/4/2000	11:02
2000 E1	EJN00-08	E0000862	AMKE MH36 6/3	06/03/00	Tissue	Primary	American Kestrel	Mine	7440-43-9	ICP - AES	Cadmium	0.013	0.025	MDL	ug/g	Wet Wt	1				ICP_9-1-00A	0901CDMWB	9/1/2000	9/1/2000	14:35
2000 E1	EJN00-08	E0000862	AMKE MH36 6/3	06/03/00	Tissue	Primary	American Kestrel	Mine	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								

Event	UIASL Case #	UIASL Sample ID	Field Sample ID	Collection Date	Matrix	QC Type	Common Name	Spatial Relevance	CAS #	Method	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% Rec	QC Flag	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
2000 E1	EJN00-08	E0000862	AMKE MH36 6/3	06/03/00	Tissue	Primary	American Kestrel	Mine	7782-49-2	ICP, Hydride	Selenium	0.79	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-04-2000	0804SEH	7/25/2000	8/4/2000	11:05
2000 E1	EJN00-08	E0000862D	AMKE MH36 6/3	06/03/00	Tissue	Lab Dupl	American Kestrel	Mine	7782-49-2	ICP, Hydride	Selenium	0.79	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-04-2000	0804SEH	7/25/2000	8/4/2000	11:07
2000 E1	EJN00-08	E0000863	CLSW BG19 6/6	06/06/00	Tissue	Primary	Cliff Swallow	Background	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-08	E0000863	CLSW BG19 6/6	06/06/00	Tissue	Primary	Cliff Swallow	Background	NA	Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
2000 E1	EJN00-08	E0000863	CLSW BG19 6/6	06/06/00	Tissue	Primary	Cliff Swallow	Background	7782-49-2	ICP, Hydride	Selenium	0.4	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-04-2000	0804SEH	7/25/2000	8/4/2000	11:10
2000 E1	EJN00-08	E0000864	AMCO BG10 6/3	06/03/00	Tissue	Triplicate	American Coot	Regional	7440-43-9	ICP - AES	Cadmium	0.021	0.025	MDL	ug/g	Wet Wt	1				ICP_9-1-00A	0901CDMWB	9/1/2000	9/1/2000	14:38
2000 E1	EJN00-08	E0000864	AMCO BG10 6/3	06/03/00	Tissue	Triplicate	American Coot	Regional	NA	Gravimetric	Moisture Content	73	1	NA	%	NA	1								
2000 E1	EJN00-08	E0000864	AMCO BG10 6/3	06/03/00	Tissue	Triplicate	American Coot	Regional	7782-49-2	ICP, Hydride	Selenium	1.3	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-04-2000	0804SEH	7/25/2000	8/4/2000	11:12
2000 E1	EJN00-08	E0000864-2	AMCO BG10 6/3	06/03/00	Tissue	Triplicate	American Coot	Regional	7440-43-9	ICP - AES	Cadmium	0.058	0.025	MDL	ug/g	Wet Wt	1				ICP_9-1-00A	0901CDMWB	9/1/2000	9/1/2000	14:40
2000 E1	EJN00-08	E0000864-2	AMCO BG10 6/3	06/03/00	Tissue	Triplicate	American Coot	Regional	NA	Gravimetric	Moisture Content	76	1	NA	%	NA	1								
2000 E1	EJN00-08	E0000864-2	AMCO BG10 6/3	06/03/00	Tissue	Triplicate	American Coot	Regional	7782-49-2	ICP, Hydride	Selenium	1.3	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-04-2000	0804SEH	7/25/2000	8/4/2000	11:16
2000 E1	EJN00-08	E0000864-3	AMCO BG10 6/3	06/03/00	Tissue	Triplicate	American Coot	Regional	7440-43-9	ICP - AES	Cadmium	0.035	0.025	MDL	ug/g	Wet Wt	1				ICP_9-1-00A	0901CDMWB	9/1/2000	9/1/2000	14:43
2000 E1	EJN00-08	E0000864-3	AMCO BG10 6/3	06/03/00	Tissue	Triplicate	American Coot	Regional	NA	Gravimetric	Moisture Content	75	1	NA	%	NA	1								
2000 E1	EJN00-08	E0000864-3	AMCO BG10 6/3	06/03/00	Tissue	Triplicate	American Coot	Regional	7782-49-2	ICP, Hydride	Selenium	1.3	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-04-2000	0804SEH	7/25/2000	8/4/2000	11:19
2000 E1	EJN00-08	E0000864B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	0	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-04-2000	0804SEH	7/25/2000	8/4/2000	11:32
2000 E1	EJN00-08	E0000864BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.052	0.01	MDL	ug/g	Wet Wt	1	0.050	104		VGICP_8-04-2000	0804SEH	7/25/2000	8/4/2000	11:27
2000 E1	EJN00-08	E0000864CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.053	0.01	MDL	ug/g	Wet Wt	1	0.050	106		VGICP_8-04-2000	0804SEH	7/25/2000	8/4/2000	11:30
2000 E1	EJN00-08	E0000864MS	AMCO BG10 6/3	06/03/00	Tissue	MS	American Coot	NA	7440-43-9	ICP - AES	Cadmium	103	NA	NA	%				103		ICP_9-1-00A	0901CDMWB	9/1/2000	9/1/2000	14:45
2000 E1	EJN00-08	E0000864MS	AMCO BG10 6/3	06/03/00	Tissue	MS	American Coot	NA	7782-49-2	ICP, Hydride	Selenium	100	NA	NA	%				100		VGICP_8-04-2000	0804SEH	7/25/2000	8/4/2000	11:22
2000 E1	EJN00-08	E0000864SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.453	0.01	MDL	ug/g	Wet Wt	1	0.446	102		VGICP_8-04-2000	0804SEH	7/25/2000	8/4/2000	11:25
2000 E1	EJN00-08	E0000865	AMCO DJ33 6/3	06/03/00	Tissue	Triplicate	American Coot	Regional	7440-43-9	ICP - AES	Cadmium	0.028	0.025	MDL	ug/g	Wet Wt	1				ICP_9-1-00A	0901CDMWB	9/1/2000	9/1/2000	14:47
2000 E1	EJN00-08	E0000865	AMCO DJ33 6/3	06/03/00	Tissue	Triplicate	American Coot	Regional	NA	Gravimetric	Moisture Content	75	1	NA	%	NA	1								
2000 E1	EJN00-08	E0000865	AMCO DJ33 6/3	06/03/00	Tissue	Triplicate	American Coot	Regional	7782-49-2	ICP, Hydride	Selenium	3.9	0.01	MDL	ug/g	Wet Wt	10				VGICP_8-01-2000	0801SEH	7/20/2000	8/1/2000	9:24
2000 E1	EJN00-08	E0000865-2	AMCO DJ33 6/3	06/03/00	Tissue	Triplicate	American Coot	Regional	7440-43-9	ICP - AES	Cadmium	0.013	0.025	MDL	ug/g	Wet Wt	1				ICP_9-1-00A	0901CDMWB	9/1/2000	9/1/2000	14:50
2000 E1	EJN00-08	E0000865-2	AMCO DJ33 6/3	06/03/00	Tissue	Triplicate	American Coot	Regional	NA	Gravimetric	Moisture Content	74	1	NA	%	NA	1								
2000 E1	EJN00-08	E0000865-2	AMCO DJ33 6/3	06/03/00	Tissue	Triplicate	American Coot	Regional	7782-49-2	ICP, Hydride	Selenium	4.1	0.01	MDL	ug/g	Wet Wt	10				VGICP_8-01-2000	0801SEH	7/20/2000	8/1/2000	9:27
2000 E1	EJN00-08	E0000865-3	AMCO DJ33 6/3	06/03/00	Tissue	Triplicate	American Coot	Regional	7440-43-9	ICP - AES	Cadmium	-0.005	0.025	MDL	ug/g	Wet Wt	1				ICP_9-1-00A	0901CDMWB	9/1/2000	9/1/2000	14:52
2000 E1	EJN00-08	E0000865-3	AMCO DJ33 6/3	06/03/00	Tissue	Triplicate	American Coot	Regional	NA	Gravimetric	Moisture Content	75	1	NA	%	NA	1								
2000 E1	EJN00-08	E0000865-3	AMCO DJ33 6/3	06/03/00	Tissue	Triplicate	American Coot	Regional	7782-49-2	ICP, Hydride	Selenium	4	0.01	MDL	ug/g	Wet Wt	10				VGICP_8-01-2000	0801SEH	7/20/2000	8/1/2000	9:29
2000 E1	EJN00-08	E0000865B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	0.000	0.025	MDL	ug/g	Wet Wt	1				ICP_9-1-00A	0901CDMWB	9/1/2000	9/1/2000	15:04
2000 E1	EJN00-08	E0000865B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	0	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-01-2000	0801SEH	7/20/2000	8/1/2000	8:56
2000 E1	EJN00-08	E0000865BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7440-43-9	ICP - AES	Cadmium	0.083	0.025	MDL	ug/g	Wet Wt	1	0.080	104		ICP_9-1-00A	0901CDMWB	9/1/2000	9/1/2000	14:59
2000 E1	EJN00-08	E0000865BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.053	0.01	MDL	ug/g	Wet Wt	1	0.050	106		VGICP_8-01-2000	0801SEH	7/20/2000	8/1/2000	9:01
2000 E1	EJN00-08	E0000865CS	Check Standard	NA	Lab QC	CCV	NA	NA	7440-43-9	ICP - AES	Cadmium	0.098	0.025	MDL	ug/g	Wet Wt	1	0.100	98		ICP_9-1-00A	0901CDMWB	9/1/2000	9/1/2000	15:02
2000 E1	EJN00-08	E0000865CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.052	0.01	MDL	ug/g	Wet Wt	1	0.050	104		VGICP_8-01-2000	0801SEH	7/20/2000	8/1/2000	8:59
2000 E1	EJN00-08	E0000865MS	AMCO DJ33 6/3	06/03/00	Tissue	MS	American Coot	NA	7440-43-9	ICP - AES	Cadmium	119	NA	NA	%				119		ICP_9-1-00A	0901CDMWB	9/1/2000	9/1/2000	14:54
2000 E1	EJN00-08	E0000865MS	AMCO DJ33 6/3	06/03/00	Tissue	MS	American Coot	NA	7782-49-2	ICP, Hydride	Selenium	152	NA	NA	%				152		VGICP_8-01-2000	0801SEH	7/20/2000	8/1/2000	9:32
2000 E1	EJN00-08	E0000865S1	TORT2	NA	Tissue	SRM	NA	NA	7782-49-2	ICP, Hydride	Selenium	5.72	0.01	MDL	ug/g	Wet Wt	1	5.630	102		VGICP_8-01-2000	0801SEH	7/20/2000	8/1/2000	9:06
2000 E1	EJN00-08	E0000865SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	57.100	0.025	MDL	ug/g	Wet Wt	1	54.3	105		ICP_9-1-00A	0901CDMWB	9/1/2000	9/1/2000	14:57
2000 E1	EJN00-08	E0000865SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.402	0.01	MDL	ug/g	Wet Wt	1	0.446	90		VGICP_8-01-2000	0801SEH	7/20/2000	8/1/2000	9:04
2000 E1	EJN00-09	E0000866	TRES BP48 6/12	06/12/00	Tissue	Primary	Tree Swallow	Background	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-09	E0000866	TRES BP48 6/12	06/12/00	Tissue	Primary	Tree Swallow	Background	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2000 E1	EJN00-09	E0000866	TRES BP48 6/12	06/12/00	Tissue	Primary	Tree Swallow	Background	7782-49-2	ICP, Hydride	Selenium	0.48	0.02	MDL	ug/g	Wet Wt	1				VGICP_8-01-2000	0801SEH	7/20/2000	8/1/2000	9:34
2000 E1	EJN00-09	E0000866B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	0.001	0.025	MDL	ug/g	Wet Wt	1				ICP_8-31-00	0831CDMWB	8/31/2000	8/31/2000	12:53
2000 E1	EJN00-09	E0000866BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7440-43-9	ICP - AES	Cadmium	0.076	0.025	MDL	ug/g	Wet Wt	1	0.080	95		ICP_8-31-00	0831CDMWB	8/31/2000	8/31/2000	12:58
2000 E1	EJN00-09	E0000866CS	Check Standard	NA	Lab QC	CCV	NA	NA	7440-43-9	ICP - AES	Cadmium	0.100	0.025	MDL	ug/g	Wet Wt	1	0.100	100		ICP_8-31-00	0831CDMWB	8/31/2000	8/31/2000	12:55
2000 E1	EJN00-09	E0000866SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	52.000	0.025	MDL	ug/g	Wet Wt	1	54.3	96		ICP_8-31-00	0831CDMWB	8/31/2000	8/31/2000	13:00
2000 E1	EJN00-09	E0000867	EAGR BP47 6/12	06/12/00	Tissue	Primary	Eared Grebe	Background	7440-43-9	ICP - AES	Cadmium	-0.063	0.025	MDL	ug/g	Wet Wt	1				ICP_8-31-00	0831CDMWB	8/31/2000	8/31/2000	13:02
2000 E1	EJN00-09	E0000867	EAGR BP47 6/12	06/12/00	Tissue	Primary	Eared Grebe	Background	NA	Gravimetric	Moisture Content	78	1	NA	%	NA	1								
2000 E1	EJN00-09	E0000867	EAGR BP47 6/12	06/12/00	Tissue	Primary	Eared Grebe	Background	7782-49-2	ICP, Hydride	Selenium	0.53	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-01-2000	0801SEH	7/20/2000	8/1/2000	9:37
2000 E1	EJN00-09	E0000867D	EAGR BP47 6/12	06/12/00	Tissue	Lab Dupl	Eared Grebe	Background	7440-43-9	ICP - AES	Cadmium	0.008	0.025	MDL	ug/g	Wet Wt	1				ICP_8-31-00	0831CDMWB	8/31/2000	8/31/2000	13:05
2000 E1	EJN00-09	E0000867D	EAGR BP47 6/12	06/12/00	Tissue	Lab Dupl	Eared Grebe	Background	7782-49-2	ICP, Hydride	Selenium	0.5	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-01-2000	0801SEH	7/20/2000	8/1/2000	9:40
2000 E1	EJN00-09	E0000868	KILL DJ51 6/12	06/12/00	Tissue	Primary	Killdeer	Background	7440-43-9	ICP - AES	Cadmium	0.007	0.025	MDL	ug/g	Wet Wt	1				ICP_8-31-00	0831CDMWB	8/31/2000	8/31/2000	13:07
2000 E1	EJN00-09	E0000868	KILL DJ51 6/12	06/12/00	Tissue	Primary	Killdeer	Background	NA	Gravimetric	Moisture Content	74	1	NA	%	NA	1								
2000 E1	EJN00-09	E0000868	KILL DJ51 6/12	06/12/00	Tissue	Primary	Killdeer	Background	7782-49-2	ICP, Hydride	Selenium	0.41	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-01-2000	0801SEH	7/20/2000	8/1/2000	9:42
2000 E1	EJN00-09	E0000868D	KILL DJ51 6/12	06/12/00	Tissue	Lab Dupl	Killdeer	Background	NA	Gravimetric	Moisture Content	74	1	NA	%	NA	1								
2000 E1	EJN00-09	E0000869	YEWA DJ52 6/12	06/12/00	Tissue	Primary	Yellow Warbler	Background	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-09	E0000869	YEWA DJ52 6/12	06/12/00	Tissue	Primary	Yellow Warbler	Background	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2000 E1	EJN00-09	E0000869	YEWA DJ52 6/12	06/12/00	Tissue	Primary	Yellow Warbler	Background	7782-49-2	ICP, Hydride	Selenium	0.58	0.02	MDL	ug/g	Wet Wt	1				VGICP_8-01-2000	0801SEH	7/20/2000	8/1/2000	9:45
2000 E1	EJN00-09	E0000870	BHCO AR168 6/12	06/12/00	Tissue	Primary	rown-Headed Cowbi	Regional	7440-43-9	ICP - AES	Cadmium	-0.099	0.05	MDL	ug/g	Wet Wt	1				ICP_8-31-00	0831CDMWB	8/31/2000	8/31/2000	13:09
2000 E1	EJN00-09	E0000870	BHCO AR168 6/12	06/12/00	Tissue	Primary	rown-Headed Cowbi	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2000 E1	EJN00-09	E0000870	BHCO AR168 6/12	06/12/00	Tissue	Primary	rown-Headed Cowbi	Regional	7782-49-2	ICP, Hydride	Selenium	0.61	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-01-2000	0801SEH	7/20/2000	8/1/2000	9:47
2000 E1	EJN00-09	E0000870	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.052	0.01	MDL	ug/g	Wet Wt	1	0.050	104		VGICP_8-01-2000	0801SEH	7/20/2000	8/1/2000	9:50
2000 E1	EJN00-09	E0000870	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.361	0.01	MDL	ug/g	Wet Wt	1	0.446	81		VGICP_8-01-2000	0801SEH	7/20/2000	8/1/2000	9:57
2000 E1	EJN00-09	E0000870	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.056	0.01	MDL	ug/g	Wet Wt	1	0.050	112		VGICP_8-01-2000	0801SEH	7/20/2000	8/1/2000	9:55

Event	UIASL Case #	UIASL Sample ID	Field Sample ID	Collection Date	Matrix	QC Type	Common Name	Spatial Relevance	CAS #	Method	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% Rec	QC Flag	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
2000 E1	EJN00-09	E0000870	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	0	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-01-2000	0801SEH	7/20/2000	8/1/2000	9:52
2000 E1	EJN00-09	E0000871	EAGR MH51 6/12	06/12/00	Tissue	Triplicate	Eared Grebe	Background	7440-43-9	ICP - AES	Cadmium	-0.049	0.03	MDL	ug/g	Wet Wt	1				ICP_8-31-00	0831CDMWB	8/31/2000	8/31/2000	13:12
2000 E1	EJN00-09	E0000871	EAGR MH51 6/12	06/12/00	Tissue	Triplicate	Eared Grebe	Background	NA	Gravimetric	Moisture Content	78	1	NA	%	NA	1								
2000 E1	EJN00-09	E0000871	EAGR MH51 6/12	06/12/00	Tissue	Triplicate	Eared Grebe	Background	7782-49-2	ICP, Hydride	Selenium	0.58	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-01-2000	0801SEH	7/20/2000	8/1/2000	10:00
2000 E1	EJN00-09	E0000871-2	EAGR MH51 6/12	06/12/00	Tissue	Triplicate	Eared Grebe	Background	7440-43-9	ICP - AES	Cadmium	-0.085	0.05	MDL	ug/g	Wet Wt	1				ICP_8-31-00	0831CDMWB	8/31/2000	8/31/2000	13:14
2000 E1	EJN00-09	E0000871-2	EAGR MH51 6/12	06/12/00	Tissue	Triplicate	Eared Grebe	Background	NA	Gravimetric	Moisture Content	79	1	NA	%	NA	1								
2000 E1	EJN00-09	E0000871-2	EAGR MH51 6/12	06/12/00	Tissue	Triplicate	Eared Grebe	Background	7782-49-2	ICP, Hydride	Selenium	0.58	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-01-2000	0801SEH	7/20/2000	8/1/2000	10:02
2000 E1	EJN00-09	E0000871-3	EAGR MH51 6/12	06/12/00	Tissue	Triplicate	Eared Grebe	Background	7440-43-9	ICP - AES	Cadmium	-0.037	0.05	MDL	ug/g	Wet Wt	1				ICP_8-31-00	0831CDMWB	8/31/2000	8/31/2000	13:17
2000 E1	EJN00-09	E0000871-3	EAGR MH51 6/12	06/12/00	Tissue	Triplicate	Eared Grebe	Background	NA	Gravimetric	Moisture Content	78	1	NA	%	NA	1								
2000 E1	EJN00-09	E0000871-3	EAGR MH51 6/12	06/12/00	Tissue	Triplicate	Eared Grebe	Background	7782-49-2	ICP, Hydride	Selenium	0.72	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-01-2000	0801SEH	7/20/2000	8/1/2000	10:05
2000 E1	EJN00-09	E0000871MS	EAGR MH51 6/12	06/12/00	Tissue	MS	Eared Grebe	NA	7440-43-9	ICP - AES	Cadmium	118	NA	NA	%				118		ICP_8-31-00	0831CDMWB	8/31/2000	8/31/2000	13:19
2000 E1	EJN00-09	E0000871MS	EAGR MH51 6/12	06/12/00	Tissue	MS	Eared Grebe	NA	7782-49-2	ICP, Hydride	Selenium	119	NA	NA	%				119		VGICP_8-01-2000	0801SEH	7/20/2000	8/1/2000	10:08
2000 E1	EJN00-09	E0000872	EAGR BG39 6/12	06/12/00	Tissue	Primary	Eared Grebe	Background	7440-43-9	ICP - AES	Cadmium	-0.02	0.025	MDL	ug/g	Wet Wt	1				ICP_8-31-00	0831CDMWB	8/31/2000	8/31/2000	13:21
2000 E1	EJN00-09	E0000872	EAGR BG39 6/12	06/12/00	Tissue	Primary	Eared Grebe	Background	NA	Gravimetric	Moisture Content	78	1	NA	%	NA	1								
2000 E1	EJN00-09	E0000872	EAGR BG39 6/12	06/12/00	Tissue	Primary	Eared Grebe	Background	7782-49-2	ICP, Hydride	Selenium	0.76	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-01-2000	0801SEH	7/20/2000	8/1/2000	10:11
2000 E1	EJN00-09	E0000872D	EAGR BG39 6/12	06/12/00	Tissue	Lab Dupl	Eared Grebe	Background	NA	Gravimetric	Moisture Content	77	1	NA	%	NA	1								
2000 E1	EJN00-09	E0000872D	EAGR BG39 6/12	06/12/00	Tissue	Lab Dupl	Eared Grebe	Background	7782-49-2	ICP, Hydride	Selenium	0.78	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-01-2000	0801SEH	7/20/2000	8/1/2000	10:13
2000 E1	EJN00-09	E0000873	EAGR BG38 6/12	06/12/00	Tissue	Primary	Eared Grebe	Background	7440-43-9	ICP - AES	Cadmium	-0.019	0.025	MDL	ug/g	Wet Wt	1				ICP_8-31-00	0831CDMWB	8/31/2000	8/31/2000	13:23
2000 E1	EJN00-09	E0000873	EAGR BG38 6/12	06/12/00	Tissue	Primary	Eared Grebe	Background	NA	Gravimetric	Moisture Content	80	1	NA	%	NA	1								
2000 E1	EJN00-09	E0000873	EAGR BG38 6/12	06/12/00	Tissue	Primary	Eared Grebe	Background	7782-49-2	ICP, Hydride	Selenium	0.42	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-01-2000	0801SEH	7/20/2000	8/1/2000	10:16
2000 E1	EJN00-09	E0000873B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	-0.004	0.025	MDL	ug/g	Wet Wt	1				ICP_8-31-00	0831CDMWB	8/31/2000	8/31/2000	13:30
2000 E1	EJN00-09	E0000873BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7440-43-9	ICP - AES	Cadmium	0.083	0.025	MDL	ug/g	Wet Wt	1	0.080	104		ICP_8-31-00	0831CDMWB	8/31/2000	8/31/2000	13:33
2000 E1	EJN00-09	E0000873CS	Check Standard	NA	Lab QC	CCV	NA	NA	7440-43-9	ICP - AES	Cadmium	0.103	0.025	MDL	ug/g	Wet Wt	1	0.100	103		ICP_8-31-00	0831CDMWB	8/31/2000	8/31/2000	13:28
2000 E1	EJN00-09	E0000873D	EAGR BG38 6/12	06/12/00	Tissue	Lab Dupl	Eared Grebe	Background	7440-43-9	ICP - AES	Cadmium	0.01	0.025	MDL	ug/g	Wet Wt	1				ICP_8-31-00	0831CDMWB	8/31/2000	8/31/2000	13:26
2000 E1	EJN00-09	E0000873SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	54.900	0.025	MDL	ug/g	Wet Wt	1	54.3	101		ICP_8-31-00	0831CDMWB	8/31/2000	8/31/2000	13:35
2000 E1	EJN00-09	E0000874	EAGR BG40 6/12	06/12/00	Tissue	Triplicate	Eared Grebe	Background	7440-43-9	ICP - AES	Cadmium	-0.067	0.03	MDL	ug/g	Wet Wt	1				ICP_8-31-00	0831CDMWB	8/31/2000	8/31/2000	13:37
2000 E1	EJN00-09	E0000874	EAGR BG40 6/12	06/12/00	Tissue	Triplicate	Eared Grebe	Background	NA	Gravimetric	Moisture Content	78	1	NA	%	NA	1								
2000 E1	EJN00-09	E0000874	EAGR BG40 6/12	06/12/00	Tissue	Triplicate	Eared Grebe	Background	7782-49-2	ICP, Hydride	Selenium	0.99	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-01-2000	0801SEH	7/20/2000	8/1/2000	10:18
2000 E1	EJN00-09	E0000874-2	EAGR BG40 6/12	06/12/00	Tissue	Triplicate	Eared Grebe	Background	7440-43-9	ICP - AES	Cadmium	-0.009	0.042	MDL	ug/g	Wet Wt	1				ICP_8-31-00	0831CDMWB	8/31/2000	8/31/2000	13:40
2000 E1	EJN00-09	E0000874-2	EAGR BG40 6/12	06/12/00	Tissue	Triplicate	Eared Grebe	Background	NA	Gravimetric	Moisture Content	75	1	NA	%	NA	1								
2000 E1	EJN00-09	E0000874-2	EAGR BG40 6/12	06/12/00	Tissue	Triplicate	Eared Grebe	Background	7782-49-2	ICP, Hydride	Selenium	1.2	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-01-2000	0801SEH	7/20/2000	8/1/2000	10:21
2000 E1	EJN00-09	E0000874-3	EAGR BG40 6/12	06/12/00	Tissue	Triplicate	Eared Grebe	Background	7440-43-9	ICP - AES	Cadmium	-0.039	0.1	MDL	ug/g	Wet Wt	1				ICP_8-31-00	0831CDMWB	8/31/2000	8/31/2000	13:42
2000 E1	EJN00-09	E0000874-3	EAGR BG40 6/12	06/12/00	Tissue	Triplicate	Eared Grebe	Background	NA	Gravimetric	Moisture Content	75	1	NA	%	NA	1								
2000 E1	EJN00-09	E0000874-3	EAGR BG40 6/12	06/12/00	Tissue	Triplicate	Eared Grebe	Background	7782-49-2	ICP, Hydride	Selenium	1	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-01-2000	0801SEH	7/20/2000	8/1/2000	10:24
2000 E1	EJN00-09	E0000874B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	0	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-01-2000	0801SEH	7/20/2000	8/1/2000	10:41
2000 E1	EJN00-09	E0000874BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.053	0.01	MDL	ug/g	Wet Wt	1	0.050	106		VGICP_8-01-2000	0801SEH	7/20/2000	8/1/2000	10:33
2000 E1	EJN00-09	E0000874CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.052	0.01	MDL	ug/g	Wet Wt	1	0.050	104		VGICP_8-01-2000	0801SEH	7/20/2000	8/1/2000	10:39
2000 E1	EJN00-09	E0000874MS	EAGR BG40 6/12	06/12/00	Tissue	MS	Eared Grebe	NA	7440-43-9	ICP - AES	Cadmium	112	NA	NA	%				112		ICP_8-31-00	0831CDMWB	8/31/2000	8/31/2000	13:45
2000 E1	EJN00-09	E0000874MS	EAGR BG40 6/12	06/12/00	Tissue	MS	Eared Grebe	NA	7782-49-2	ICP, Hydride	Selenium	116	NA	NA	%				116		VGICP_8-01-2000	0801SEH	7/20/2000	8/1/2000	10:27
2000 E1	EJN00-09	E0000874S1	TORT2	NA	Tissue	SRM	NA	NA	7782-49-2	ICP, Hydride	Selenium	5.81	0.01	MDL	ug/g	Wet Wt	1	5.630	103		VGICP_8-01-2000	0801SEH	7/20/2000	8/1/2000	10:36
2000 E1	EJN00-09	E0000874SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.359	0.01	MDL	ug/g	Wet Wt	1	0.446	80		VGICP_8-01-2000	0801SEH	7/20/2000	8/1/2000	10:30
2000 E1	EJN00-09	E0000875	YEWA MH54 6/13	06/13/00	Tissue	Primary	Yellow Warbler	Background	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-09	E0000875	YEWA MH54 6/13	06/13/00	Tissue	Primary	Yellow Warbler	Background	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2000 E1	EJN00-09	E0000875	YEWA MH54 6/13	06/13/00	Tissue	Primary	Yellow Warbler	Background	7782-49-2	ICP, Hydride	Selenium	0.74	0.017	MDL	ug/g	Wet Wt	1				VGICP_7-25-2000	0724SEMW	7/20/2000	7/25/2000	11:42
2000 E1	EJN00-09	E0000876	YEWA MH52 6/13	06/13/00	Tissue	Primary	Yellow Warbler	Background	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-09	E0000876	YEWA MH52 6/13	06/13/00	Tissue	Primary	Yellow Warbler	Background	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2000 E1	EJN00-09	E0000876	YEWA MH52 6/13	06/13/00	Tissue	Primary	Yellow Warbler	Background	7782-49-2	ICP, Hydride	Selenium	0.92	0.02	MDL	ug/g	Wet Wt	1				VGICP_7-25-2000	0724SEMW	7/20/2000	7/25/2000	11:27
2000 E1	EJN00-09	E0000876S1	TORT2	NA	Tissue	SRM	NA	NA	7782-49-2	ICP, Hydride	Selenium	5.52	0.01	MDL	ug/g	Wet Wt	1	5.630	98		VGICP_7-25-2000	0724SEMW	7/20/2000	7/25/2000	11:24
2000 E1	EJN00-09	E0000876SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.43	0.01	MDL	ug/g	Wet Wt	1	0.446	96		VGICP_7-25-2000	0724SEMW	7/20/2000	7/25/2000	11:21
2000 E1	EJN00-09	E0000877	EAGR BP44 6/9	06/09/00	Tissue	Triplicate	Eared Grebe	Background	7440-43-9	ICP - AES	Cadmium	-0.002	0.025	MDL	ug/g	Wet Wt	1				ICP_8-31-00	0831CDMWB	8/31/2000	8/31/2000	13:47
2000 E1	EJN00-09	E0000877	EAGR BP44 6/9	06/09/00	Tissue	Triplicate	Eared Grebe	Background	NA	Gravimetric	Moisture Content	77	1	NA	%	NA	1								
2000 E1	EJN00-09	E0000877	EAGR BP44 6/9	06/09/00	Tissue	Triplicate	Eared Grebe	Background	7782-49-2	ICP, Hydride	Selenium	0.9	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-25-2000	0724SEMW	7/20/2000	7/25/2000	11:30
2000 E1	EJN00-09	E0000877-2	EAGR BP44 6/9	06/09/00	Tissue	Triplicate	Eared Grebe	Background	7440-43-9	ICP - AES	Cadmium	-0.038	0.025	MDL	ug/g	Wet Wt	1				ICP_8-31-00	0831CDMWB	8/31/2000	8/31/2000	13:49
2000 E1	EJN00-09	E0000877-2	EAGR BP44 6/9	06/09/00	Tissue	Triplicate	Eared Grebe	Background	NA	Gravimetric	Moisture Content	78	1	NA	%	NA	1								
2000 E1	EJN00-09	E0000877-2	EAGR BP44 6/9	06/09/00	Tissue	Triplicate	Eared Grebe	Background	7782-49-2	ICP, Hydride	Selenium	0.91	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-25-2000	0724SEMW	7/20/2000	7/25/2000	11:33
2000 E1	EJN00-09	E0000877-3	EAGR BP44 6/9	06/09/00	Tissue	Triplicate	Eared Grebe	Background	7440-43-9	ICP - AES	Cadmium	-0.039	0.03	MDL	ug/g	Wet Wt	1				ICP_8-31-00	0831CDMWB	8/31/2000	8/31/2000	13:52
2000 E1	EJN00-09	E0000877-3	EAGR BP44 6/9	06/09/00	Tissue	Triplicate	Eared Grebe	Background	NA	Gravimetric	Moisture Content	78	1	NA	%	NA	1								
2000 E1	EJN00-09	E0000877-3	EAGR BP44 6/9	06/09/00	Tissue	Triplicate	Eared Grebe	Background	7782-49-2	ICP, Hydride	Selenium	0.9	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-25-2000	0724SEMW	7/20/2000	7/25/2000	11:36
2000 E1	EJN00-09	E0000877MS	EAGR BP44 6/9	06/09/00	Tissue	MS	Eared Grebe	NA	7440-43-9	ICP - AES	Cadmium	93	NA	NA	%				93		ICP_8-31-00	0831CDMWB	8/31/2000	8/31/2000	13:54
2000 E1	EJN00-09	E0000877MS	EAGR BP44 6/9	06/09/00	Tissue	MS	Eared Grebe	NA	7782-49-2	ICP, Hydride	Selenium	102	NA	NA	%				102		VGICP_7-25-2000	0724SEMW	7/20/2000	7/25/2000	11:39
2000 E1	EJN00-09	E0000878	YEWA MH49 6/11	06/11/00	Tissue	Primary	Yellow Warbler	Regional	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-09	E0000878	YEWA MH49 6/11	06/11/00	Tissue	Primary	Yellow Warbler	Regional	NA	Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
2000 E1	EJN00-09	E0000878	YEWA MH49 6/11	06/11/00	Tissue	Primary	Yellow Warbler	Regional	7782-49-2	ICP, Hydride	Selenium	2.1	0.02	MDL	ug/g	Wet Wt	1				VGICP_7-25-2000	0724SEMW	7/20/2000	7/25/2000	11:45
2000 E1	EJN00-09	E0000879	YEWA MH47 6/11	06/11/00	Tissue	Primary	Yellow Warbler	Regional	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-09	E0000879	YEWA MH47 6/11	06/11/00	Tissue	Primary	Yellow Warbler	Regional	NA	Gravimetric	Moisture Content	80	1	NA	%	NA	1								

Event	UIASL Case #	UIASL Sample ID	Field Sample ID	Collection Date	Matrix	QC Type	Common Name	Spatial Relevance	CAS #	Method	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% Rec	QC Flag	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
2000 E1	EJN00-09	E0000879	YEWA MH47 6/11	06/11/00	Tissue	Primary	Yellow Warbler	Regional	7782-49-2	ICP, Hydride	Selenium	1.3	0.04	MDL	ug/g	Wet Wt	1				VGICP_7-25-2000	0724SEMW	7/20/2000	7/25/2000	11:47
2000 E1	EJN00-09	E0000880	YEWA BG35 6/10	06/10/00	Tissue	Primary	Yellow Warbler	Mine	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-09	E0000880	YEWA BG35 6/10	06/10/00	Tissue	Primary	Yellow Warbler	Mine	NA	Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
2000 E1	EJN00-09	E0000880	YEWA BG35 6/10	06/10/00	Tissue	Primary	Yellow Warbler	Mine	7782-49-2	ICP, Hydride	Selenium	0.92	0.02	MDL	ug/g	Wet Wt	1				VGICP_7-25-2000	0724SEMW	7/20/2000	7/25/2000	11:50
2000 E1	EJN00-09	E0000881	BHCO MH50 6/11	06/11/00	Tissue	Primary	rown-Headed Cowbi	Regional	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-09	E0000881	BHCO MH50 6/11	06/11/00	Tissue	Primary	rown-Headed Cowbi	Regional	NA	Gravimetric	Moisture Content	81	1	NA	%	NA	1								
2000 E1	EJN00-09	E0000881	BHCO MH50 6/11	06/11/00	Tissue	Primary	rown-Headed Cowbi	Regional	7782-49-2	ICP, Hydride	Selenium	0.84	0.012	MDL	ug/g	Wet Wt	1				VGICP_7-25-2000	0724SEMW	7/20/2000	7/25/2000	11:53
2000 E1	EJN00-09	E0000882	KILL MH46 6/10	06/10/00	Tissue	Primary	Killdeer	Mine	7440-43-9	ICP - AES	Cadmium	-0.048	0.025	MDL	ug/g	Wet Wt	1				ICP_8-31-00	0831CDMWB	8/31/2000	8/31/2000	13:56
2000 E1	EJN00-09	E0000882	KILL MH46 6/10	06/10/00	Tissue	Primary	Killdeer	Mine	NA	Gravimetric	Moisture Content	71	1	NA	%	NA	1								
2000 E1	EJN00-09	E0000882	KILL MH46 6/10	06/10/00	Tissue	Primary	Killdeer	Mine	7782-49-2	ICP, Hydride	Selenium	7.4	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-25-2000	0724SEMW	7/20/2000	7/25/2000	11:56
2000 E1	EJN00-09	E0000882B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	0	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-25-2000	0724SEMW	7/20/2000	7/25/2000	12:01
2000 E1	EJN00-09	E0000882BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0502	0.01	MDL	ug/g	Wet Wt	1	0.050	100		VGICP_7-25-2000	0724SEMW	7/20/2000	7/25/2000	12:07
2000 E1	EJN00-09	E0000882CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0508	0.01	MDL	ug/g	Wet Wt	1	0.050	102		VGICP_7-25-2000	0724SEMW	7/20/2000	7/25/2000	12:04
2000 E1	EJN00-09	E0000882D	KILL MH46 6/10	06/10/00	Tissue	Lab Dupl	Killdeer	Mine	NA	Gravimetric	Moisture Content	71	1	NA	%	NA	1								
2000 E1	EJN00-09	E0000882D	KILL MH46 6/10	06/10/00	Tissue	Lab Dupl	Killdeer	Mine	7782-49-2	ICP, Hydride	Selenium	7.1	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-25-2000	0724SEMW	7/20/2000	7/25/2000	11:59
2000 E1	EJN00-09	E0000882SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.422	0.01	MDL	ug/g	Wet Wt	1	0.446	95		VGICP_7-25-2000	0724SEMW	7/20/2000	7/25/2000	12:10
2000 E1	EJN00-09	E0000883	YEWA BP47 6/11	06/11/00	Tissue	Primary	Yellow Warbler	Regional	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-09	E0000883	YEWA BP47 6/11	06/11/00	Tissue	Primary	Yellow Warbler	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2000 E1	EJN00-09	E0000883	YEWA BP47 6/11	06/11/00	Tissue	Primary	Yellow Warbler	Regional	7782-49-2	ICP, Hydride	Selenium	1.2	0.017	MDL	ug/g	Wet Wt	1				VGICP_7-25-2000	0724SEMW	7/20/2000	7/25/2000	12:13
2000 E1	EJN00-09	E0000884	HOWR BP45 6/10	06/10/00	Tissue	Primary	House Wren	Mine	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-09	E0000884	HOWR BP45 6/10	06/10/00	Tissue	Primary	House Wren	Mine	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2000 E1	EJN00-09	E0000884	HOWR BP45 6/10	06/10/00	Tissue	Primary	House Wren	Mine	7782-49-2	ICP, Hydride	Selenium	0.64	0.02	MDL	ug/g	Wet Wt	1				VGICP_7-25-2000	0724SEMW	7/20/2000	7/25/2000	12:16
2000 E1	EJN00-09	E0000885	YEWA BP46 6/11	06/11/00	Tissue	Primary	Yellow Warbler	Regional	7440-43-9	ICP - AES	Cadmium	-0.138	0.1	MDL	ug/g	Wet Wt	1				ICP_8-31-00	0831CDMWB	8/31/2000	8/31/2000	13:59
2000 E1	EJN00-09	E0000885	YEWA BP46 6/11	06/11/00	Tissue	Primary	Yellow Warbler	Regional	NA	Gravimetric	Moisture Content	81	1	NA	%	NA	1								
2000 E1	EJN00-09	E0000885	YEWA BP46 6/11	06/11/00	Tissue	Primary	Yellow Warbler	Regional	7782-49-2	ICP, Hydride	Selenium	1.1	0.02	MDL	ug/g	Wet Wt	1				VGICP_7-25-2000	0724SEMW	7/20/2000	7/25/2000	12:19
2000 E1	EJN00-09	E0000886	BHCO MH48 6/11	06/11/00	Tissue	Primary	rown-Headed Cowbi	Regional	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-09	E0000886	BHCO MH48 6/11	06/11/00	Tissue	Primary	rown-Headed Cowbi	Regional	NA	Gravimetric	Moisture Content	80	1	NA	%	NA	1								
2000 E1	EJN00-09	E0000886	BHCO MH48 6/11	06/11/00	Tissue	Primary	rown-Headed Cowbi	Regional	7782-49-2	ICP, Hydride	Selenium	0.98	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-25-2000	0724SEMW	7/20/2000	7/25/2000	12:22
2000 E1	EJN00-09	E0000887	YHBL MH44 6/9	06/09/00	Tissue	Primary	ellow Headed Blackbi	Background	7440-43-9	ICP - AES	Cadmium	-0.042	0.1	MDL	ug/g	Wet Wt	1				ICP_8-31-00	0831CDMWB	8/31/2000	8/31/2000	14:01
2000 E1	EJN00-09	E0000887	YHBL MH44 6/9	06/09/00	Tissue	Primary	ellow Headed Blackbi	Background	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2000 E1	EJN00-09	E0000887	YHBL MH44 6/9	06/09/00	Tissue	Primary	ellow Headed Blackbi	Background	7782-49-2	ICP, Hydride	Selenium	0.92	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-25-2000	0724SEMW	7/20/2000	7/25/2000	12:25
2000 E1	EJN00-09	E0000887D	YHBL MH44 6/9	06/09/00	Tissue	Lab Dupl	ellow Headed Blackbi	Background	7782-49-2	ICP, Hydride	Selenium	0.92	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-25-2000	0724SEMW	7/20/2000	7/25/2000	12:27
2000 E1	EJN00-09	E0000888	YEWA BG37 6/10	06/10/00	Tissue	Primary	Yellow Warbler	Regional	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-09	E0000888	YEWA BG37 6/10	06/10/00	Tissue	Primary	Yellow Warbler	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2000 E1	EJN00-09	E0000888	YEWA BG37 6/10	06/10/00	Tissue	Primary	Yellow Warbler	Regional	7782-49-2	ICP, Hydride	Selenium	0.95	0.02	MDL	ug/g	Wet Wt	1				VGICP_7-25-2000	0724SEMW	7/20/2000	7/25/2000	12:30
2000 E1	EJN00-09	E0000889	YEWA BG36 6/10	06/10/00	Tissue	Primary	Yellow Warbler	Regional	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-09	E0000889	YEWA BG36 6/10	06/10/00	Tissue	Primary	Yellow Warbler	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2000 E1	EJN00-09	E0000889	YEWA BG36 6/10	06/10/00	Tissue	Primary	Yellow Warbler	Regional	7782-49-2	ICP, Hydride	Selenium	1.6	0.04	MDL	ug/g	Wet Wt	1				VGICP_7-25-2000	0724SEMW	7/20/2000	7/25/2000	12:33
2000 E1	EJN00-09	E0000889B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	0	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-25-2000	0724SEMW	7/20/2000	7/25/2000	12:36
2000 E1	EJN00-09	E0000889BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0496	0.01	MDL	ug/g	Wet Wt	1	0.050	99		VGICP_7-25-2000	0724SEMW	7/20/2000	7/25/2000	12:41
2000 E1	EJN00-09	E0000889CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.05	0.01	MDL	ug/g	Wet Wt	1	0.050	100		VGICP_7-25-2000	0724SEMW	7/20/2000	7/25/2000	12:39
2000 E1	EJN00-09	E0000889SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.411	0.01	MDL	ug/g	Wet Wt	1	0.446	92		VGICP_7-25-2000	0724SEMW	7/20/2000	7/25/2000	12:44
2000 E1	EJN00-09	E0000890	YHBL BP42 6/9	06/09/00	Tissue	Primary	ellow Headed Blackbi	Background	7440-43-9	ICP - AES	Cadmium	-0.053	0.042	MDL	ug/g	Wet Wt	1				ICP_8-31-00	0831CDMWB	8/31/2000	8/31/2000	14:03
2000 E1	EJN00-09	E0000890	YHBL BP42 6/9	06/09/00	Tissue	Primary	ellow Headed Blackbi	Background	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2000 E1	EJN00-09	E0000890	YHBL BP42 6/9	06/09/00	Tissue	Primary	ellow Headed Blackbi	Background	7782-49-2	ICP, Hydride	Selenium	0.84	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-02-2000	0802SEH	7/20/2000	8/2/2000	12:27
2000 E1	EJN00-09	E0000890B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	0	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-02-2000	0802SEH	7/20/2000	8/2/2000	12:09
2000 E1	EJN00-09	E0000890BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.053	0.01	MDL	ug/g	Wet Wt	1	0.050	106		VGICP_8-02-2000	0802SEH	7/20/2000	8/2/2000	12:14
2000 E1	EJN00-09	E0000890CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.052	0.01	MDL	ug/g	Wet Wt	1	0.050	104		VGICP_8-02-2000	0802SEH	7/20/2000	8/2/2000	12:19
2000 E1	EJN00-09	E0000890S1	TORT2	NA	Tissue	SRM	NA	NA	7782-49-2	ICP, Hydride	Selenium	5.43	0.01	MDL	ug/g	Wet Wt	1	5.630	96		VGICP_8-02-2000	0802SEH	7/20/2000	8/2/2000	12:24
2000 E1	EJN00-09	E0000890SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.361	0.01	MDL	ug/g	Wet Wt	1	0.446	81		VGICP_8-02-2000	0802SEH	7/20/2000	8/2/2000	12:22
2000 E1	EJN00-09	E0000891	TRES MH45 6/9	06/09/00	Tissue	Primary	Tree Swallow	Regional	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-09	E0000891	TRES MH45 6/9	06/09/00	Tissue	Primary	Tree Swallow	Regional	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2000 E1	EJN00-09	E0000891	TRES MH45 6/9	06/09/00	Tissue	Primary	Tree Swallow	Regional	7782-49-2	ICP, Hydride	Selenium	0.62	0.017	MDL	ug/g	Wet Wt	1				VGICP_8-02-2000	0802SEH	7/20/2000	8/2/2000	12:29
2000 E1	EJN00-09	E0000892	YHBL MH43 6/9	06/09/00	Tissue	Primary	ellow Headed Blackbi	Background	7440-43-9	ICP - AES	Cadmium	-0.027	0.025	MDL	ug/g	Wet Wt	1				ICP_8-31-00	0831CDMWB	8/31/2000	8/31/2000	14:06
2000 E1	EJN00-09	E0000892	YHBL MH43 6/9	06/09/00	Tissue	Primary	ellow Headed Blackbi	Background	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2000 E1	EJN00-09	E0000892	YHBL MH43 6/9	06/09/00	Tissue	Primary	ellow Headed Blackbi	Background	7782-49-2	ICP, Hydride	Selenium	0.91	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-02-2000	0802SEH	7/20/2000	8/2/2000	12:32
2000 E1	EJN00-09	E0000892B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	-0.001	0.025	MDL	ug/g	Wet Wt	1				ICP_8-31-00	0831CDMWB	8/31/2000	8/31/2000	14:15
2000 E1	EJN00-09	E0000892BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7440-43-9	ICP - AES	Cadmium	0.079	0.025	MDL	ug/g	Wet Wt	1	0.080	99		ICP_8-31-00	0831CDMWB	8/31/2000	8/31/2000	14:10
2000 E1	EJN00-09	E0000892CS	Check Standard	NA	Lab QC	CCV	NA	NA	7440-43-9	ICP - AES	Cadmium	0.102	0.025	MDL	ug/g	Wet Wt	1	0.100	102		ICP_8-31-00	0831CDMWB	8/31/2000	8/31/2000	14:13
2000 E1	EJN00-09	E0000892SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	51.900	0.025	MDL	ug/g	Wet Wt	1	54.3	96		ICP_8-31-00	0831CDMWB	8/31/2000	8/31/2000	14:08
2000 E1	EJN00-09	E0000893	YEWA MH53 6/13	06/13/00	Tissue	Primary	Yellow Warbler	Background	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-09	E0000893	YEWA MH53 6/13	06/13/00	Tissue	Primary	Yellow Warbler	Background	NA	Gravimetric	Moisture Content	81	1	NA	%	NA	1								
2000 E1	EJN00-09	E0000893	YEWA MH53 6/13	06/13/00	Tissue	Primary	Yellow Warbler	Background	7782-49-2	ICP, Hydride	Selenium	0.94	0.02	MDL	ug/g	Wet Wt	1				VGICP_8-02-2000	0802SEH	7/20/2000	8/2/2000	12:35
2000 E1	EJN00-12	E0000899	AMCO BG44 6/15	06/15/00	Tissue	Primary	American Coot	Background	7440-43-9	ICP - AES	Cadmium	0.014	0.025	MDL	ug/g	Wet Wt	1				ICP_9-1-00A	0901CDMW	9/1/2000	9/1/2000	11:17
2000 E1	EJN00-12	E0000899	AMCO BG44 6/15	06/15/00	Tissue	Primary	American Coot	Background	NA	Gravimetric	Moisture Content	77	1	NA	%	NA	1								

Event	UIASL Case #	UIASL Sample ID	Field Sample ID	Collection Date	Matrix	QC Type	Common Name	Spatial Relevance	CAS #	Method	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% Rec	QC Flag	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
2000 E1	EJN00-12	E0000899	AMCO BG44 6/15	06/15/00	Tissue	Primary	American Coot	Background	7782-49-2	ICP, Hydride	Selenium	0.5	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-02-2000	0802SEH	7/20/2000	8/2/2000	12:37
2000 E1	EJN00-12	E0000899B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	0.001	0.025	MDL	ug/g	Wet Wt	1				ICP_9-1-00A	0901CDMW	9/1/2000	9/1/2000	11:08
2000 E1	EJN00-12	E0000899BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7440-43-9	ICP - AES	Cadmium	0.080	0.025	MDL	ug/g	Wet Wt	1	0.080	100		ICP_9-1-00A	0901CDMW	9/1/2000	9/1/2000	11:15
2000 E1	EJN00-12	E0000899CS	Check Standard	NA	Lab QC	CCV	NA	NA	7440-43-9	ICP - AES	Cadmium	0.100	0.025	MDL	ug/g	Wet Wt	1	0.100	100		ICP_9-1-00A	0901CDMW	9/1/2000	9/1/2000	11:10
2000 E1	EJN00-12	E0000899D	AMCO BG44 6/15	06/15/00	Tissue	Lab Dupl	American Coot	Background	7782-49-2	ICP, Hydride	Selenium	1	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-02-2000	0802SEH	7/20/2000	8/2/2000	12:40
2000 E1	EJN00-12	E0000899SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	55.200	0.025	MDL	ug/g	Wet Wt	1	54.3	102		ICP_9-1-00A	0901CDMW	9/1/2000	9/1/2000	11:13
2000 E1	EJN00-12	E0000900	AMCO DJ59 6/15	06/15/00	Tissue	Primary	American Coot	Regional	7440-43-9	ICP - AES	Cadmium	0.009	0.025	MDL	ug/g	Wet Wt	1				ICP_9-1-00A	0901CDMW	9/1/2000	9/1/2000	11:20
2000 E1	EJN00-12	E0000900	AMCO DJ59 6/15	06/15/00	Tissue	Primary	American Coot	Regional	NA	Gravimetric	Moisture Content	77	1	NA	%	NA	1								
2000 E1	EJN00-12	E0000900	AMCO DJ59 6/15	06/15/00	Tissue	Primary	American Coot	Regional	7782-49-2	ICP, Hydride	Selenium	3.8	0.01	MDL	ug/g	Wet Wt	10				VGICP_8-02-2000	0802SEH	7/20/2000	8/2/2000	12:43
2000 E1	EJN00-12	E0000900D	AMCO DJ59 6/15	06/15/00	Tissue	Lab Dupl	American Coot	Regional	7440-43-9	ICP - AES	Cadmium	0.012	0.025	MDL	ug/g	Wet Wt	1				ICP_9-1-00A	0901CDMW	9/1/2000	9/1/2000	11:22
2000 E1	EJN00-12	E0000900D	AMCO DJ59 6/15	06/15/00	Tissue	Lab Dupl	American Coot	Regional	NA	Gravimetric	Moisture Content	77	1	NA	%	NA	1								
2000 E1	EJN00-12	E0000901	AMCO MH58 6/15	06/15/00	Tissue	Triplicate	American Coot	Background	7440-43-9	ICP - AES	Cadmium	0.013	0.025	MDL	ug/g	Wet Wt	1				ICP_9-1-00A	0901CDMW	9/1/2000	9/1/2000	11:24
2000 E1	EJN00-12	E0000901	AMCO MH58 6/15	06/15/00	Tissue	Triplicate	American Coot	Background	NA	Gravimetric	Moisture Content	77	1	NA	%	NA	1								
2000 E1	EJN00-12	E0000901	AMCO MH58 6/15	06/15/00	Tissue	Triplicate	American Coot	Background	7782-49-2	ICP, Hydride	Selenium	0.73	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-02-2000	0802SEH	7/20/2000	8/2/2000	12:53
2000 E1	EJN00-12	E0000901-2	AMCO MH58 6/15	06/15/00	Tissue	Triplicate	American Coot	Background	7440-43-9	ICP - AES	Cadmium	0.012	0.025	MDL	ug/g	Wet Wt	1				ICP_9-1-00A	0901CDMW	9/1/2000	9/1/2000	11:27
2000 E1	EJN00-12	E0000901-2	AMCO MH58 6/15	06/15/00	Tissue	Triplicate	American Coot	Background	NA	Gravimetric	Moisture Content	78	1	NA	%	NA	1								
2000 E1	EJN00-12	E0000901-2	AMCO MH58 6/15	06/15/00	Tissue	Triplicate	American Coot	Background	7782-49-2	ICP, Hydride	Selenium	0.63	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-02-2000	0802SEH	7/20/2000	8/2/2000	12:48
2000 E1	EJN00-12	E0000901-3	AMCO MH58 6/15	06/15/00	Tissue	Triplicate	American Coot	Background	7440-43-9	ICP - AES	Cadmium	-0.001	0.025	MDL	ug/g	Wet Wt	1				ICP_9-1-00A	0901CDMW	9/1/2000	9/1/2000	11:29
2000 E1	EJN00-12	E0000901-3	AMCO MH58 6/15	06/15/00	Tissue	Triplicate	American Coot	Background	NA	Gravimetric	Moisture Content	77	1	NA	%	NA	1								
2000 E1	EJN00-12	E0000901-3	AMCO MH58 6/15	06/15/00	Tissue	Triplicate	American Coot	Background	7782-49-2	ICP, Hydride	Selenium	0.67	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-02-2000	0802SEH	7/20/2000	8/2/2000	12:50
2000 E1	EJN00-12	E0000901B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.052	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-02-2000	0802SEH	7/20/2000	8/2/2000	13:00
2000 E1	EJN00-12	E0000901BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.053	0.01	MDL	ug/g	Wet Wt	1	0.050	106		VGICP_8-02-2000	0802SEH	7/20/2000	8/2/2000	13:06
2000 E1	EJN00-12	E0000901CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0	0.01	MDL	ug/g	Wet Wt	1	0.050	0		VGICP_8-02-2000	0802SEH	7/20/2000	8/2/2000	12:58
2000 E1	EJN00-12	E0000901MS	AMCO MH58 6/15	06/15/00	Tissue	MS	American Coot	NA	7440-43-9	ICP - AES	Cadmium	105	NA	NA	%				105		ICP_9-1-00A	0901CDMW	9/1/2000	9/1/2000	11:31
2000 E1	EJN00-12	E0000901MS	AMCO MH58 6/15	06/15/00	Tissue	MS	American Coot	NA	7782-49-2	ICP, Hydride	Selenium	89	NA	NA	%				89		VGICP_8-02-2000	0802SEH	7/20/2000	8/2/2000	12:55
2000 E1	EJN00-12	E0000901SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.339	0.01	MDL	ug/g	Wet Wt	1	0.446	76		VGICP_8-02-2000	0802SEH	7/20/2000	8/2/2000	13:08
2000 E1	EJN00-12	E0000902	AMCO BP51 6/15	06/15/00	Tissue	Primary	American Coot	Background	7440-43-9	ICP - AES	Cadmium	-0.003	0.025	MDL	ug/g	Wet Wt	1				ICP_9-1-00A	0901CDMW	9/1/2000	9/1/2000	11:34
2000 E1	EJN00-12	E0000902	AMCO BP51 6/15	06/15/00	Tissue	Primary	American Coot	Background	NA	Gravimetric	Moisture Content	70	1	NA	%	NA	1								
2000 E1	EJN00-12	E0000902	AMCO BP51 6/15	06/15/00	Tissue	Primary	American Coot	Background	7782-49-2	ICP, Hydride	Selenium	0.58	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-02-2000	0802SEH	7/20/2000	8/2/2000	13:11
2000 E1	EJN00-12	E0000903	AMCO BP52 6/15	06/15/00	Tissue	Primary	American Coot	Background	7440-43-9	ICP - AES	Cadmium	0.006	0.025	MDL	ug/g	Wet Wt	1				ICP_9-1-00A	0901CDMW	9/1/2000	9/1/2000	11:36
2000 E1	EJN00-12	E0000903	AMCO BP52 6/15	06/15/00	Tissue	Primary	American Coot	Background	NA	Gravimetric	Moisture Content	76	1	NA	%	NA	1								
2000 E1	EJN00-12	E0000903	AMCO BP52 6/15	06/15/00	Tissue	Primary	American Coot	Background	7782-49-2	ICP, Hydride	Selenium	0.7	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-02-2000	0802SEH	7/20/2000	8/2/2000	13:13
2000 E1	EJN00-12	E0000903D	AMCO BP52 6/15	06/15/00	Tissue	Lab Dupl	American Coot	Background	NA	Gravimetric	Moisture Content	76	1	NA	%	NA	1								
2000 E1	EJN00-12	E0000904	RWBL HR149 6/15	06/15/00	Tissue	Primary	Red-Winged Blackbir	Background	7440-43-9	ICP - AES	Cadmium	-0.005	0.025	MDL	ug/g	Wet Wt	1				ICP_9-1-00A	0901CDMW	9/1/2000	9/1/2000	11:38
2000 E1	EJN00-12	E0000904	RWBL HR149 6/15	06/15/00	Tissue	Primary	Red-Winged Blackbir	Background	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2000 E1	EJN00-12	E0000904	RWBL HR149 6/15	06/15/00	Tissue	Primary	Red-Winged Blackbir	Background	7782-49-2	ICP, Hydride	Selenium	0.66	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-02-2000	0802SEH	7/20/2000	8/2/2000	13:16
2000 E1	EJN00-12	E0000905	AMCO MH60 6/15	06/15/00	Tissue	Primary	American Coot	Background	7440-43-9	ICP - AES	Cadmium	0.005	0.025	MDL	ug/g	Wet Wt	1				ICP_9-1-00A	0901CDMW	9/1/2000	9/1/2000	11:41
2000 E1	EJN00-12	E0000905	AMCO MH60 6/15	06/15/00	Tissue	Primary	American Coot	Background	NA	Gravimetric	Moisture Content	77	1	NA	%	NA	1								
2000 E1	EJN00-12	E0000905	AMCO MH60 6/15	06/15/00	Tissue	Primary	American Coot	Background	7782-49-2	ICP, Hydride	Selenium	0.46	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-02-2000	0802SEH	7/20/2000	8/2/2000	13:18
2000 E1	EJN00-12	E0000906	YHBL MH59 6/15	06/15/00	Tissue	Primary	Yellow Headed Blackbi	Background	7440-43-9	ICP - AES	Cadmium	0.003	0.025	MDL	ug/g	Wet Wt	1				ICP_9-1-00A	0901CDMW	9/1/2000	9/1/2000	11:43
2000 E1	EJN00-12	E0000906	YHBL MH59 6/15	06/15/00	Tissue	Primary	Yellow Headed Blackbi	Background	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2000 E1	EJN00-12	E0000906	YHBL MH59 6/15	06/15/00	Tissue	Primary	Yellow Headed Blackbi	Background	7782-49-2	ICP, Hydride	Selenium	0.87	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-02-2000	0802SEH	7/20/2000	8/2/2000	13:21
2000 E1	EJN00-12	E0000907	AMCO BP53 6/15	06/15/00	Tissue	Primary	American Coot	Regional	7440-43-9	ICP - AES	Cadmium	0.002	0.025	MDL	ug/g	Wet Wt	1				ICP_9-1-00A	0901CDMW	9/1/2000	9/1/2000	11:45
2000 E1	EJN00-12	E0000907	AMCO BP53 6/15	06/15/00	Tissue	Primary	American Coot	Regional	NA	Gravimetric	Moisture Content	76	1	NA	%	NA	1								
2000 E1	EJN00-12	E0000907	AMCO BP53 6/15	06/15/00	Tissue	Primary	American Coot	Regional	7782-49-2	ICP, Hydride	Selenium	3.1	0.01	MDL	ug/g	Wet Wt	5				VGICP_8-02-2000	0802SEH	7/20/2000	8/2/2000	13:35
2000 E1	EJN00-12	E0000907B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	0.002	0.025	MDL	ug/g	Wet Wt	1				ICP_9-1-00A	0901CDMW	9/1/2000	9/1/2000	11:50
2000 E1	EJN00-12	E0000907BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7440-43-9	ICP - AES	Cadmium	0.078	0.025	MDL	ug/g	Wet Wt	1	0.080	98		ICP_9-1-00A	0901CDMW	9/1/2000	9/1/2000	11:52
2000 E1	EJN00-12	E0000907CS	Check Standard	NA	Lab QC	CCV	NA	NA	7440-43-9	ICP - AES	Cadmium	0.094	0.025	MDL	ug/g	Wet Wt	1	0.100	94		ICP_9-1-00A	0901CDMW	9/1/2000	9/1/2000	11:48
2000 E1	EJN00-12	E0000907SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	55.800	0.025	MDL	ug/g	Wet Wt	1	54.3	103		ICP_9-1-00A	0901CDMW	9/1/2000	9/1/2000	11:55
2000 E1	EJN00-12	E0000908	AMCO DJ58 6/15	06/15/00	Tissue	Primary	American Coot	Background	7440-43-9	ICP - AES	Cadmium	0.021	0.025	MDL	ug/g	Wet Wt	1				ICP_9-1-00A	0901CDMW	9/1/2000	9/1/2000	11:57
2000 E1	EJN00-12	E0000908	AMCO DJ58 6/15	06/15/00	Tissue	Primary	American Coot	Background	NA	Gravimetric	Moisture Content	75	1	NA	%	NA	1								
2000 E1	EJN00-12	E0000908	AMCO DJ58 6/15	06/15/00	Tissue	Primary	American Coot	Background	7782-49-2	ICP, Hydride	Selenium	0.42	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-02-2000	0802SEH	7/20/2000	8/2/2000	13:27
2000 E1	EJN00-12	E0000908D	AMCO DJ58 6/15	06/15/00	Tissue	Lab Dupl	American Coot	Background	7440-43-9	ICP - AES	Cadmium	0.014	0.025	MDL	ug/g	Wet Wt	1				ICP_9-1-00A	0901CDMW	9/1/2000	9/1/2000	11:59
2000 E1	EJN00-12	E0000908D	AMCO DJ58 6/15	06/15/00	Tissue	Lab Dupl	American Coot	Background	7782-49-2	ICP, Hydride	Selenium	0.43	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-02-2000	0802SEH	7/20/2000	8/2/2000	13:29
2000 E1	EJN00-12	E0000909	EAGR DJ60 6/15	06/15/00	Tissue	Primary	Eared Grebe	Regional	7440-43-9	ICP - AES	Cadmium	0.013	0.025	MDL	ug/g	Wet Wt	1				ICP_9-1-00A	0901CDMW	9/1/2000	9/1/2000	12:02
2000 E1	EJN00-12	E0000909	EAGR DJ60 6/15	06/15/00	Tissue	Primary	Eared Grebe	Regional	NA	Gravimetric	Moisture Content	76	1	NA	%	NA	1								
2000 E1	EJN00-12	E0000909	EAGR DJ60 6/15	06/15/00	Tissue	Primary	Eared Grebe	Regional	7782-49-2	ICP, Hydride	Selenium	3.1	0.01	MDL	ug/g	Wet Wt	5				VGICP_8-02-2000	0802SEH	7/20/2000	8/2/2000	13:42
2000 E1	EJN00-12	E0000909B	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0	0.01	MDL	ug/g	Wet Wt	1	0.050	0		VGICP_8-02-2000	0802SEH	7/20/2000	8/2/2000	13:55
2000 E1	EJN00-12	E0000909BS	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.051	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-02-2000	0802SEH	7/20/2000	8/2/2000	13:50
2000 E1	EJN00-12	E0000909CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.052	0.01	MDL	ug/g	Wet Wt	1	0.050	104		VGICP_8-02-2000	0802SEH	7/20/2000	8/2/2000	13:52
2000 E1	EJN00-12	E0000909S1	TORT2	NA	Tissue	SRM	NA	NA	7782-49-2	ICP, Hydride	Selenium	5.67	0.01	MDL	ug/g	Wet Wt	1	5.630	101		VGICP_8-02-2000	0802SEH	7/20/2000	8/2/2000	13:44
2000 E1	EJN00-12	E0000909SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.314	0.01	MDL	ug/g	Wet Wt	1	0.446	70		VGICP_8-02-2000	0802SEH	7/20/2000	8/2/2000	13:47
2000 E1	EJN00-12	E0000910	YHBL AR149 6/16	06/16/00	Tissue	Primary	Yellow Headed Blackbi	Regional	7440-43-9	ICP - AES	Cadmium	0.019	0.025	MDL	ug/g	Wet Wt	1				ICP_9-1-00A	0901CDMW	9/1/2000	9/1/2000	12:04
2000 E1	EJN00-12	E0000910	YHBL AR149 6/16	06/16/00	Tissue	Primary	Yellow Headed Blackbi	Regional	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2000 E1	EJN00-12	E0000910	YHBL AR149 6/16	06/16/00	Tissue	Primary	Yellow Headed Blackbi	Regional	7782-49-2	ICP, Hydride	Selenium	1.2	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-01-2000	0801SEHMWB	7/24/2000	8/1/2000	13:25

Event	UIASL Case #	UIASL Sample ID	Field Sample ID	Collection Date	Matrix	QC Type	Common Name	Spatial Relevance	CAS #	Method	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% Rec	QC Flag	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
2000 E1	EJN00-12	E0000910B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	0	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-01-2000	0801SEHMWB	7/24/2000	8/1/2000	13:12
2000 E1	EJN00-12	E0000910BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.052	0.01	MDL	ug/g	Wet Wt	1	0.050	104		VGICP_8-01-2000	0801SEHMWB	7/24/2000	8/1/2000	13:17
2000 E1	EJN00-12	E0000910CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.051	0.01	MDL	ug/g	Wet Wt	1	0.050	102		VGICP_8-01-2000	0801SEHMWB	7/24/2000	8/1/2000	13:15
2000 E1	EJN00-12	E0000910S1	TORT2	NA	Tissue	SRM	NA	NA	7782-49-2	ICP, Hydride	Selenium	5.4	0.01	MDL	ug/g	Wet Wt	1	5.630	96		VGICP_8-01-2000	0801SEHMWB	7/24/2000	8/1/2000	13:22
2000 E1	EJN00-12	E0000910SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.455	0.01	MDL	ug/g	Wet Wt	1	0.446	102		VGICP_8-01-2000	0801SEHMWB	7/24/2000	8/1/2000	13:20
2000 E1	EJN00-12	E0000911	SOSP MH55 6/14	06/14/00	Tissue	Primary	Song Sparrow	Regional	7440-43-9	ICP - AES	Cadmium	0.021	0.05	MDL	ug/g	Wet Wt	1				ICP_9-1-00A	0901CDMW	9/1/2000	9/1/2000	12:06
2000 E1	EJN00-12	E0000911	SOSP MH55 6/14	06/14/00	Tissue	Primary	Song Sparrow	Regional	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2000 E1	EJN00-12	E0000911	SOSP MH55 6/14	06/14/00	Tissue	Primary	Song Sparrow	Regional	7782-49-2	ICP, Hydride	Selenium	1.5	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-01-2000	0801SEHMWB	7/24/2000	8/1/2000	13:28
2000 E1	EJN00-12	E0000912	EAGR DJ54 6/13	06/13/00	Tissue	Primary	Eared Grebe	Regional	7440-43-9	ICP - AES	Cadmium	0.012	0.025	MDL	ug/g	Wet Wt	1				ICP_9-1-00A	0901CDMW	9/1/2000	9/1/2000	12:09
2000 E1	EJN00-12	E0000912	EAGR DJ54 6/13	06/13/00	Tissue	Primary	Eared Grebe	Regional	NA	Gravimetric	Moisture Content	80	1	NA	%	NA	1								
2000 E1	EJN00-12	E0000912	EAGR DJ54 6/13	06/13/00	Tissue	Primary	Eared Grebe	Regional	7782-49-2	ICP, Hydride	Selenium	2.5	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-01-2000	0801SEHMWB	7/24/2000	8/1/2000	13:31
2000 E1	EJN00-12	E0000913	EAGR DJ56 6/13	06/13/00	Tissue	Primary	Eared Grebe	Regional	7440-43-9	ICP - AES	Cadmium	0.005	0.025	MDL	ug/g	Wet Wt	1				ICP_9-1-00A	0901CDMW	9/1/2000	9/1/2000	12:11
2000 E1	EJN00-12	E0000913	EAGR DJ56 6/13	06/13/00	Tissue	Primary	Eared Grebe	Regional	NA	Gravimetric	Moisture Content	78	1	NA	%	NA	1								
2000 E1	EJN00-12	E0000913	EAGR DJ56 6/13	06/13/00	Tissue	Primary	Eared Grebe	Regional	7782-49-2	ICP, Hydride	Selenium	2.4	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-01-2000	0801SEHMWB	7/24/2000	8/1/2000	13:34
2000 E1	EJN00-12	E0000914	YEWA BP50 6/13	06/13/00	Tissue	Primary	Yellow Warbler	Background	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-12	E0000914	YEWA BP50 6/13	06/13/00	Tissue	Primary	Yellow Warbler	Background	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2000 E1	EJN00-12	E0000914	YEWA BP50 6/13	06/13/00	Tissue	Primary	Yellow Warbler	Background	7782-49-2	ICP, Hydride	Selenium	0.91	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-01-2000	0801SEHMWB	7/24/2000	8/1/2000	13:37
2000 E1	EJN00-12	E0000915	YEWA MH56 6/14	06/14/00	Tissue	Primary	Yellow Warbler	Regional	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-12	E0000915	YEWA MH56 6/14	06/14/00	Tissue	Primary	Yellow Warbler	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2000 E1	EJN00-12	E0000915	YEWA MH56 6/14	06/14/00	Tissue	Primary	Yellow Warbler	Regional	7782-49-2	ICP, Hydride	Selenium	1.5	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-01-2000	0801SEHMWB	7/24/2000	8/1/2000	13:40
2000 E1	EJN00-12	E0000916	YEWA BP49 6/13	06/13/00	Tissue	Primary	Yellow Warbler	Background	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-12	E0000916	YEWA BP49 6/13	06/13/00	Tissue	Primary	Yellow Warbler	Background	NA	Gravimetric	Moisture Content	80	1	NA	%	NA	1								
2000 E1	EJN00-12	E0000916	YEWA BP49 6/13	06/13/00	Tissue	Primary	Yellow Warbler	Background	7782-49-2	ICP, Hydride	Selenium	1	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-01-2000	0801SEHMWB	7/24/2000	8/1/2000	13:42
2000 E1	EJN00-12	E0000917	YEWA MH57 6/14	06/14/00	Tissue	Primary	Yellow Warbler	Regional	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-12	E0000917	YEWA MH57 6/14	06/14/00	Tissue	Primary	Yellow Warbler	Regional	NA	Gravimetric	Moisture Content	89	1	NA	%	NA	1								
2000 E1	EJN00-12	E0000917	YEWA MH57 6/14	06/14/00	Tissue	Primary	Yellow Warbler	Regional	7782-49-2	ICP, Hydride	Selenium	0.85	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-01-2000	0801SEHMWB	7/24/2000	8/1/2000	13:45
2000 E1	EJN00-12	E0000917B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	0	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-01-2000	0801SEHMWB	7/24/2000	8/1/2000	13:50
2000 E1	EJN00-12	E0000917BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.054	0.01	MDL	ug/g	Wet Wt	1	0.050	108		VGICP_8-01-2000	0801SEHMWB	7/24/2000	8/1/2000	13:52
2000 E1	EJN00-12	E0000917CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.052	0.01	MDL	ug/g	Wet Wt	1	0.050	104		VGICP_8-01-2000	0801SEHMWB	7/24/2000	8/1/2000	13:47
2000 E1	EJN00-12	E0000917SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.409	0.01	MDL	ug/g	Wet Wt	1	0.446	92		VGICP_8-01-2000	0801SEHMWB	7/24/2000	8/1/2000	13:55
2000 E1	EJN00-12	E0000918	EAGR BG43 6/13	06/13/00	Tissue	Primary	Eared Grebe	Regional	7440-43-9	ICP - AES	Cadmium	-0.001	0.025	MDL	ug/g	Wet Wt	1				ICP_9-1-00A	0901CDMW	9/1/2000	9/1/2000	12:13
2000 E1	EJN00-12	E0000918	EAGR BG43 6/13	06/13/00	Tissue	Primary	Eared Grebe	Regional	NA	Gravimetric	Moisture Content	78	1	NA	%	NA	1								
2000 E1	EJN00-12	E0000918	EAGR BG43 6/13	06/13/00	Tissue	Primary	Eared Grebe	Regional	7782-49-2	ICP, Hydride	Selenium	3.2	0.01	MDL	ug/g	Wet Wt	10				VGICP_8-01-2000	0801SEHMWB	7/24/2000	8/1/2000	14:05
2000 E1	EJN00-12	E0000918D	EAGR BG43 6/13	06/13/00	Tissue	Lab Dupl	Eared Grebe	Regional	NA	Gravimetric	Moisture Content	76	1	NA	%	NA	1								
2000 E1	EJN00-12	E0000918D	EAGR BG43 6/13	06/13/00	Tissue	Lab Dupl	Eared Grebe	Regional	7782-49-2	ICP, Hydride	Selenium	3.1	0.01	MDL	ug/g	Wet Wt	10				VGICP_8-01-2000	0801SEHMWB	7/24/2000	8/1/2000	15:08
2000 E1	EJN00-12	E0000919	WEGR BG41 6/13	06/13/00	Tissue	Triplicate	Western Grebe	Regional	7440-43-9	ICP - AES	Cadmium	0.009	0.025	MDL	ug/g	Wet Wt	1				ICP_9-1-00A	0901CDMW	9/1/2000	9/1/2000	12:16
2000 E1	EJN00-12	E0000919	WEGR BG41 6/13	06/13/00	Tissue	Triplicate	Western Grebe	Regional	NA	Gravimetric	Moisture Content	77	1	NA	%	NA	1								
2000 E1	EJN00-12	E0000919	WEGR BG41 6/13	06/13/00	Tissue	Triplicate	Western Grebe	Regional	7782-49-2	ICP, Hydride	Selenium	1.5	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-01-2000	0801SEHMWB	7/24/2000	8/1/2000	14:10
2000 E1	EJN00-12	E0000919-2	WEGR BG41 6/13	06/13/00	Tissue	Triplicate	Western Grebe	Regional	7440-43-9	ICP - AES	Cadmium	0.004	0.025	MDL	ug/g	Wet Wt	1				ICP_9-1-00A	0901CDMW	9/1/2000	9/1/2000	12:18
2000 E1	EJN00-12	E0000919-2	WEGR BG41 6/13	06/13/00	Tissue	Triplicate	Western Grebe	Regional	NA	Gravimetric	Moisture Content	79	1	NA	%	NA	1								
2000 E1	EJN00-12	E0000919-2	WEGR BG41 6/13	06/13/00	Tissue	Triplicate	Western Grebe	Regional	7782-49-2	ICP, Hydride	Selenium	1.5	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-01-2000	0801SEHMWB	7/24/2000	8/1/2000	14:13
2000 E1	EJN00-12	E0000919-3	WEGR BG41 6/13	06/13/00	Tissue	Triplicate	Western Grebe	Regional	7440-43-9	ICP - AES	Cadmium	0.008	0.025	MDL	ug/g	Wet Wt	1				ICP_9-1-00A	0901CDMW	9/1/2000	9/1/2000	12:20
2000 E1	EJN00-12	E0000919-3	WEGR BG41 6/13	06/13/00	Tissue	Triplicate	Western Grebe	Regional	NA	Gravimetric	Moisture Content	78	1	NA	%	NA	1								
2000 E1	EJN00-12	E0000919-3	WEGR BG41 6/13	06/13/00	Tissue	Triplicate	Western Grebe	Regional	7782-49-2	ICP, Hydride	Selenium	1.5	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-01-2000	0801SEHMWB	7/24/2000	8/1/2000	14:16
2000 E1	EJN00-12	E0000919MS	WEGR BG41 6/13	06/13/00	Tissue	MS	Western Grebe	NA	7440-43-9	ICP - AES	Cadmium	102	NA	NA	%				102		ICP_9-1-00A	0901CDMW	9/1/2000	9/1/2000	12:23
2000 E1	EJN00-12	E0000919MS	WEGR BG41 6/13	06/13/00	Tissue	MS	Western Grebe	NA	7782-49-2	ICP, Hydride	Selenium	108	NA	NA	%				108		VGICP_8-01-2000	0801SEHMWB	7/24/2000	8/1/2000	14:19
2000 E1	EJN00-12	E0000920	AMCO BG42 6/13	06/13/00	Tissue	Primary	American Coot	Regional	7440-43-9	ICP - AES	Cadmium	0.016	0.025	MDL	ug/g	Wet Wt	1				ICP_9-1-00A	0901CDMW	9/1/2000	9/1/2000	12:25
2000 E1	EJN00-12	E0000920	AMCO BG42 6/13	06/13/00	Tissue	Primary	American Coot	Regional	NA	Gravimetric	Moisture Content	75	1	NA	%	NA	1								
2000 E1	EJN00-12	E0000920	AMCO BG42 6/13	06/13/00	Tissue	Primary	American Coot	Regional	7782-49-2	ICP, Hydride	Selenium	5.7	0.01	MDL	ug/g	Wet Wt	10				VGICP_8-01-2000	0801SEHMWB	7/24/2000	8/1/2000	14:26
2000 E1	EJN00-12	E0000920B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	0.000	0.025	MDL	ug/g	Wet Wt	1				ICP_9-1-00A	0901CDMW	9/1/2000	9/1/2000	12:34
2000 E1	EJN00-12	E0000920BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7440-43-9	ICP - AES	Cadmium	0.083	0.025	MDL	ug/g	Wet Wt	1	0.080	104		ICP_9-1-00A	0901CDMW	9/1/2000	9/1/2000	12:30
2000 E1	EJN00-12	E0000920CS	Check Standard	NA	Lab QC	CCV	NA	NA	7440-43-9	ICP - AES	Cadmium	0.098	0.025	MDL	ug/g	Wet Wt	1	0.100	98		ICP_9-1-00A	0901CDMW	9/1/2000	9/1/2000	12:32
2000 E1	EJN00-12	E0000920D	AMCO BG42 6/13	06/13/00	Tissue	Lab Dupl	American Coot	Regional	7782-49-2	ICP, Hydride	Selenium	5.9	0.01	MDL	ug/g	Wet Wt	10				VGICP_8-01-2000	0801SEHMWB	7/24/2000	8/1/2000	14:28
2000 E1	EJN00-12	E0000920SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	56.300	0.025	MDL	ug/g	Wet Wt	1	54.3	104		ICP_9-1-00A	0901CDMW	9/1/2000	9/1/2000	12:27
2000 E1	EJN00-12	E0000921	WEGR DJ53 6/13	06/13/00	Tissue	Triplicate	Western Grebe	Regional	7440-43-9	ICP - AES	Cadmium	-0.008	0.025	MDL	ug/g	Wet Wt	1				ICP_9-7-00B	0907CDMWB	9/7/2000	9/7/2000	12:37
2000 E1	EJN00-12	E0000921	WEGR DJ53 6/13	06/13/00	Tissue	Triplicate	Western Grebe	Regional	NA	Gravimetric	Moisture Content	78	1	NA	%	NA	1								
2000 E1	EJN00-12	E0000921	WEGR DJ53 6/13	06/13/00	Tissue	Triplicate	Western Grebe	Regional	7782-49-2	ICP, Hydride	Selenium	1.9	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-01-2000	0801SEHMWB	7/24/2000	8/1/2000	14:31
2000 E1	EJN00-12	E0000921-2	WEGR DJ53 6/13	06/13/00	Tissue	Triplicate	Western Grebe	Regional	7440-43-9	ICP - AES	Cadmium	-0.009	0.025	MDL	ug/g	Wet Wt	1				ICP_9-7-00B	0907CDMWB	9/7/2000	9/7/2000	12:39
2000 E1	EJN00-12	E0000921-2	WEGR DJ53 6/13	06/13/00	Tissue	Triplicate	Western Grebe	Regional	NA	Gravimetric	Moisture Content	78	1	NA	%	NA	1								
2000 E1	EJN00-12	E0000921-2	WEGR DJ53 6/13	06/13/00	Tissue	Triplicate	Western Grebe	Regional	7782-49-2	ICP, Hydride	Selenium	1.9	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-01-2000	0801SEHMWB	7/24/2000	8/1/2000	14:34
2000 E1	EJN00-12	E0000921-3	WEGR DJ53 6/13	06/13/00	Tissue	Triplicate	Western Grebe	Regional	7440-43-9	ICP - AES	Cadmium	-0.006	0.025	MDL	ug/g	Wet Wt	1				ICP_9-7-00B	0907CDMWB	9/7/2000	9/7/2000	12:42
2000 E1	EJN00-12	E0000921-3	WEGR DJ53 6/13	06/13/00	Tissue	Triplicate	Western Grebe	Regional	NA	Gravimetric	Moisture Content	78	1	NA	%	NA	1								
2000 E1	EJN00-12	E0000921-3	WEGR DJ53 6/13	06/13/00	Tissue	Triplicate	Western Grebe	Regional	7782-49-2	ICP, Hydride	Selenium	1.8	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-01-2000	0801SEHMWB	7/24/2000	8/1/2000	14:37
2000 E1	EJN00-12	E0000921B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	-0.002	0.025	MDL	ug/g	Wet Wt	1				ICP_9-7-00B	0907CDMWB	9/7/2000	9/7/2000	12:28
2000 E1	EJN00-12	E0000921B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	0	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-01-2000	0801SEHMWB	7/24/2000	8/1/2000	14:51

Event	UIASL Case #	UIASL Sample ID	Field Sample ID	Collection Date	Matrix	QC Type	Common Name	Spatial Relevance	CAS #	Method	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% Rec	QC Flag	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
2000 E1	EJN00-12	E0000921BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7440-43-9	ICP - AES	Cadmium	0.081	0.025	MDL	ug/g	Wet Wt	1	0.080	101		ICP_9-7-00B	0907CDMWB	9/7/2000	9/7/2000	12:33
2000 E1	EJN00-12	E0000921BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.051	0.01	MDL	ug/g	Wet Wt	1	0.050	102		VGICP_8-01-2000	0801SEHMWB	7/24/2000	8/1/2000	14:46
2000 E1	EJN00-12	E0000921CS	Check Standard	NA	Lab QC	CCV	NA	NA	7440-43-9	ICP - AES	Cadmium	0.103	0.025	MDL	ug/g	Wet Wt	1	0.100	103		ICP_9-7-00B	0907CDMWB	9/7/2000	9/7/2000	12:30
2000 E1	EJN00-12	E0000921CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.051	0.01	MDL	ug/g	Wet Wt	1	0.050	102		VGICP_8-01-2000	0801SEHMWB	7/24/2000	8/1/2000	14:48
2000 E1	EJN00-12	E0000921MS	WEGR DJ53 6/13	06/13/00	Tissue	MS	Western Grebe	NA	7440-43-9	ICP - AES	Cadmium	111	NA	NA	%				111		ICP_9-7-00B	0907CDMWB	9/7/2000	9/7/2000	12:44
2000 E1	EJN00-12	E0000921MS	WEGR DJ53 6/13	06/13/00	Tissue	MS	Western Grebe	NA	7782-49-2	ICP, Hydride	Selenium	80	NA	NA	%				80		VGICP_8-01-2000	0801SEHMWB	7/24/2000	8/1/2000	14:40
2000 E1	EJN00-12	E0000921SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	57.400	0.025	MDL	ug/g	Wet Wt	1	54.3	106		ICP_9-7-00B	0907CDMWB	9/7/2000	9/7/2000	12:35
2000 E1	EJN00-12	E0000921SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.459	0.01	MDL	ug/g	Wet Wt	1	0.446	103		VGICP_8-01-2000	0801SEHMWB	7/24/2000	8/1/2000	14:43
2000 E1	EJN00-12	E0000922	AMCO DJ55 6/13	06/13/00	Tissue	Primary	American Coot	Regional	7440-43-9	ICP - AES	Cadmium	-0.022	0.025	MDL	ug/g	Wet Wt	1				ICP_9-7-00B	0907CDMWB	9/7/2000	9/7/2000	12:47
2000 E1	EJN00-12	E0000922	AMCO DJ55 6/13	06/13/00	Tissue	Primary	American Coot	Regional	NA	Gravimetric	Moisture Content	72	1	NA	%	NA	1								
2000 E1	EJN00-12	E0000922	AMCO DJ55 6/13	06/13/00	Tissue	Primary	American Coot	Regional	7782-49-2	ICP, Hydride	Selenium	3.4	0.01	MDL	ug/g	Wet Wt	10				VGICP_8-03-2000	0803SEHMW	7/24/2000	8/3/2000	15:06
2000 E1	EJN00-12	E0000922B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.001	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-03-2000	0803SEHMW	7/24/2000	8/3/2000	14:47
2000 E1	EJN00-12	E0000922BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.053	0.01	MDL	ug/g	Wet Wt	1	0.050	106		VGICP_8-03-2000	0803SEHMW	7/24/2000	8/3/2000	14:52
2000 E1	EJN00-12	E0000922CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.051	0.01	MDL	ug/g	Wet Wt	1	0.050	102		VGICP_8-03-2000	0803SEHMW	7/24/2000	8/3/2000	14:49
2000 E1	EJN00-12	E0000922S1	TORT2	NA	Tissue	SRM	NA	NA	7782-49-2	ICP, Hydride	Selenium	5.27	0.01	MDL	ug/g	Wet Wt	1	5.630	94		VGICP_8-03-2000	0803SEHMW	7/24/2000	8/3/2000	14:57
2000 E1	EJN00-12	E0000922SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.489	0.01	MDL	ug/g	Wet Wt	1	0.446	110		VGICP_8-03-2000	0803SEHMW	7/24/2000	8/3/2000	14:54
2000 E1	EJN00-12	E0000923	EAGR MH66 6/16	06/16/00	Tissue	Primary	Eared Grebe	Background	7440-43-9	ICP - AES	Cadmium	0.006	0.025	MDL	ug/g	Wet Wt	1				ICP_9-7-00B	0907CDMWB	9/7/2000	9/7/2000	12:49
2000 E1	EJN00-12	E0000923	EAGR MH66 6/16	06/16/00	Tissue	Primary	Eared Grebe	Background	NA	Gravimetric	Moisture Content	77	1	NA	%	NA	1								
2000 E1	EJN00-12	E0000923	EAGR MH66 6/16	06/16/00	Tissue	Primary	Eared Grebe	Background	7782-49-2	ICP, Hydride	Selenium	1.2	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-03-2000	0803SEHMW	7/24/2000	8/3/2000	15:03
2000 E1	EJN00-12	E0000924	RWBL AR172 6/15	06/15/00	Tissue	Primary	ed-Winged Blackbir	Regional	7440-43-9	ICP - AES	Cadmium	-0.012	0.025	MDL	ug/g	Wet Wt	1				ICP_9-7-00B	0907CDMWB	9/7/2000	9/7/2000	12:51
2000 E1	EJN00-12	E0000924	RWBL AR172 6/15	06/15/00	Tissue	Primary	ed-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2000 E1	EJN00-12	E0000924	RWBL AR172 6/15	06/15/00	Tissue	Primary	ed-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.62	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-03-2000	0803SEHMW	7/24/2000	8/3/2000	15:08
2000 E1	EJN00-12	E0000925	EAGR BG49 6/16	06/16/00	Tissue	Primary	Eared Grebe	Background	7440-43-9	ICP - AES	Cadmium	0.008	0.025	MDL	ug/g	Wet Wt	1				ICP_9-7-00B	0907CDMWB	9/7/2000	9/7/2000	12:54
2000 E1	EJN00-12	E0000925	EAGR BG49 6/16	06/16/00	Tissue	Primary	Eared Grebe	Background	NA	Gravimetric	Moisture Content	76	1	NA	%	NA	1								
2000 E1	EJN00-12	E0000925	EAGR BG49 6/16	06/16/00	Tissue	Primary	Eared Grebe	Background	7782-49-2	ICP, Hydride	Selenium	0.84	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-03-2000	0803SEHMW	7/24/2000	8/3/2000	15:11
2000 E1	EJN00-12	E0000925D	EAGR BG49 6/16	06/16/00	Tissue	Lab Dupl	Eared Grebe	Background	7440-43-9	ICP - AES	Cadmium	-0.005	0.025	MDL	ug/g	Wet Wt	1				ICP_9-7-00B	0907CDMWB	9/7/2000	9/7/2000	12:56
2000 E1	EJN00-12	E0000926	AMCO DJ61 6/16	06/16/00	Tissue	Primary	American Coot	Regional	7440-43-9	ICP - AES	Cadmium	0.001	0.025	MDL	ug/g	Wet Wt	1				ICP_9-7-00B	0907CDMWB	9/7/2000	9/7/2000	12:58
2000 E1	EJN00-12	E0000926	AMCO DJ61 6/16	06/16/00	Tissue	Primary	American Coot	Regional	NA	Gravimetric	Moisture Content	75	1	NA	%	NA	1								
2000 E1	EJN00-12	E0000926	AMCO DJ61 6/16	06/16/00	Tissue	Primary	American Coot	Regional	7782-49-2	ICP, Hydride	Selenium	1.5	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-03-2000	0803SEHMW	7/24/2000	8/3/2000	15:14
2000 E1	EJN00-12	E0000927	EAGR MH65 6/16	06/16/00	Tissue	Primary	Eared Grebe	Background	7440-43-9	ICP - AES	Cadmium	-0.005	0.025	MDL	ug/g	Wet Wt	1				ICP_9-7-00B	0907CDMWB	9/7/2000	9/7/2000	13:01
2000 E1	EJN00-12	E0000927	EAGR MH65 6/16	06/16/00	Tissue	Primary	Eared Grebe	Background	NA	Gravimetric	Moisture Content	78	1	NA	%	NA	1								
2000 E1	EJN00-12	E0000927	EAGR MH65 6/16	06/16/00	Tissue	Primary	Eared Grebe	Background	7782-49-2	ICP, Hydride	Selenium	0.77	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-03-2000	0803SEHMW	7/24/2000	8/3/2000	15:17
2000 E1	EJN00-12	E0000928	YEWA MH74 6/17	06/17/00	Tissue	Primary	Yellow Warbler	Regional	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-12	E0000928	YEWA MH74 6/17	06/17/00	Tissue	Primary	Yellow Warbler	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2000 E1	EJN00-12	E0000928	YEWA MH74 6/17	06/17/00	Tissue	Primary	Yellow Warbler	Regional	7782-49-2	ICP, Hydride	Selenium	1.1	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-03-2000	0803SEHMW	7/24/2000	8/3/2000	15:19
2000 E1	EJN00-13	E0000929	AMCO AR165 6/18	06/18/00	Tissue	Primary	American Coot	Background	7440-43-9	ICP - AES	Cadmium	-0.006	0.025	MDL	ug/g	Wet Wt	1				ICP_9-7-00B	0907CDMWB	9/7/2000	9/7/2000	13:03
2000 E1	EJN00-13	E0000929	AMCO AR165 6/18	06/18/00	Tissue	Primary	American Coot	Background	NA	Gravimetric	Moisture Content	74	1	NA	%	NA	1								
2000 E1	EJN00-13	E0000929	AMCO AR165 6/18	06/18/00	Tissue	Primary	American Coot	Background	7782-49-2	ICP, Hydride	Selenium	0.31	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-03-2000	0803SEHMW	7/24/2000	8/3/2000	15:22
2000 E1	EJN00-13	E0000929D	AMCO AR165 6/18	06/18/00	Tissue	Lab Dupl	American Coot	Background	NA	Gravimetric	Moisture Content	75	1	NA	%	NA	1								
2000 E1	EJN00-13	E0000930	KILL DJ65 6/19	06/19/00	Tissue	Primary	Killdeer	Regional	7440-43-9	ICP - AES	Cadmium	-0.011	0.025	MDL	ug/g	Wet Wt	1				ICP_9-7-00B	0907CDMWB	9/7/2000	9/7/2000	13:05
2000 E1	EJN00-13	E0000930	KILL DJ65 6/19	06/19/00	Tissue	Primary	Killdeer	Regional	NA	Gravimetric	Moisture Content	72	1	NA	%	NA	1								
2000 E1	EJN00-13	E0000930	KILL DJ65 6/19	06/19/00	Tissue	Primary	Killdeer	Regional	7782-49-2	ICP, Hydride	Selenium	1.5	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-03-2000	0803SEHMW	7/24/2000	8/3/2000	15:24
2000 E1	EJN00-13	E0000930B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	-0.001	0.025	MDL	ug/g	Wet Wt	1				ICP_9-7-00B	0907CDMWB	9/7/2000	9/7/2000	13:10
2000 E1	EJN00-13	E0000930B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	0	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-03-2000	0803SEHMW	7/24/2000	8/3/2000	15:30
2000 E1	EJN00-13	E0000930BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7440-43-9	ICP - AES	Cadmium	0.08	0.025	MDL	ug/g	Wet Wt	1	0.080	100		ICP_9-7-00B	0907CDMWB	9/7/2000	9/7/2000	13:12
2000 E1	EJN00-13	E0000930BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.05	0.01	MDL	ug/g	Wet Wt	1	0.050	100		VGICP_8-03-2000	0803SEHMW	7/24/2000	8/3/2000	15:32
2000 E1	EJN00-13	E0000930CS	Check Standard	NA	Lab QC	CCV	NA	NA	7440-43-9	ICP - AES	Cadmium	0.103	0.025	MDL	ug/g	Wet Wt	1	0.100	103		ICP_9-7-00B	0907CDMWB	9/7/2000	9/7/2000	13:08
2000 E1	EJN00-13	E0000930CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.053	0.01	MDL	ug/g	Wet Wt	1	0.050	106		VGICP_8-03-2000	0803SEHMW	7/24/2000	8/3/2000	15:27
2000 E1	EJN00-13	E0000930SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	58.400	0.025	MDL	ug/g	Wet Wt	1	54.3	108		ICP_9-7-00B	0907CDMWB	9/7/2000	9/7/2000	13:15
2000 E1	EJN00-13	E0000930SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.46	0.01	MDL	ug/g	Wet Wt	1	0.446	103		VGICP_8-03-2000	0803SEHMW	7/24/2000	8/3/2000	15:35
2000 E1	EJN00-13	E0000931	BHCO MH64 6/16	06/16/00	Tissue	Primary	rown-Headed Cowbi	Regional	7440-43-9	ICP - AES	Cadmium	-0.032	0.1	MDL	ug/g	Wet Wt	1				ICP_9-7-00B	0907CDMWB	9/7/2000	9/7/2000	13:17
2000 E1	EJN00-13	E0000931	BHCO MH64 6/16	06/16/00	Tissue	Primary	rown-Headed Cowbi	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2000 E1	EJN00-13	E0000931	BHCO MH64 6/16	06/16/00	Tissue	Primary	rown-Headed Cowbi	Regional	7782-49-2	ICP, Hydride	Selenium	0.59	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-03-2000	0803SEHMW	7/24/2000	8/3/2000	15:37
2000 E1	EJN00-13	E0000932	YHBL MH62 6/16	06/16/00	Tissue	Primary	llow Headed Blackbi	Regional	7440-43-9	ICP - AES	Cadmium	-0.009	0.025	MDL	ug/g	Wet Wt	1				ICP_9-7-00B	0907CDMWB	9/7/2000	9/7/2000	13:19
2000 E1	EJN00-13	E0000932	YHBL MH62 6/16	06/16/00	Tissue	Primary	llow Headed Blackbi	Regional	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2000 E1	EJN00-13	E0000932	YHBL MH62 6/16	06/16/00	Tissue	Primary	llow Headed Blackbi	Regional	7782-49-2	ICP, Hydride	Selenium	1.3	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-03-2000	0803SEHMW	7/24/2000	8/3/2000	15:40
2000 E1	EJN00-13	E0000933	AMCO DJ63 6/17	06/17/00	Tissue	Primary	American Coot	Regional	7440-43-9	ICP - AES	Cadmium	-0.006	0.025	MDL	ug/g	Wet Wt	1				ICP_9-7-00B	0907CDMWB	9/7/2000	9/7/2000	13:22
2000 E1	EJN00-13	E0000933	AMCO DJ63 6/17	06/17/00	Tissue	Primary	American Coot	Regional	NA	Gravimetric	Moisture Content	74	1	NA	%	NA	1								
2000 E1	EJN00-13	E0000933	AMCO DJ63 6/17	06/17/00	Tissue	Primary	American Coot	Regional	7782-49-2	ICP, Hydride	Selenium	2.1	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-03-2000	0803SEHMW	7/24/2000	8/3/2000	15:43
2000 E1	EJN00-13	E0000933D	AMCO DJ63 6/17	06/17/00	Tissue	Lab Dupl	American Coot	Regional	7440-43-9	ICP - AES	Cadmium	-0.01	0.025	MDL	ug/g	Wet Wt	1				ICP_9-7-00B	0907CDMWB	9/7/2000	9/7/2000	13:24
2000 E1	EJN00-13	E0000933D	AMCO DJ63 6/17	06/17/00	Tissue	Lab Dupl	American Coot	Regional	7782-49-2	ICP, Hydride	Selenium	2.1	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-03-2000	0803SEHMW	7/24/2000	8/3/2000	15:46
2000 E1	EJN00-13	E0000934	BHCO MH73 6/17	06/17/00	Tissue	Primary	rown-Headed Cowbi	Regional	7440-43-9	ICP - AES	Cadmium	-0.036	0.05	MDL	ug/g	Wet Wt	1				ICP_9-7-00B	0907CDMWB	9/7/2000	9/7/2000	13:26
2000 E1	EJN00-13	E0000934	BHCO MH73 6/17	06/17/00	Tissue	Primary	rown-Headed Cowbi	Regional	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2000 E1	EJN00-13	E0000934	BHCO MH73 6/17	06/17/00	Tissue	Primary	rown-Headed Cowbi	Regional	7782-49-2	ICP, Hydride	Selenium	0.93	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-03-2000	0803SEHMW	7/24/2000	8/3/2000	15:49
2000 E1	EJN00-13	E0000935	BHCO BG50 6/17	06/17/00	Tissue	Primary	rown-Headed Cowbi	Regional	7440-43-9	ICP - AES	Cadmium	-0.019	0.05	MDL	ug/g	Wet Wt	1				ICP_9-7-00B	0907CDMWB	9/7/2000	9/7/2000	13:29

Event	UIASL Case #	UIASL Sample ID	Field Sample ID	Collection Date	Matrix	QC Type	Common Name	Spatial Relevance	CAS #	Method	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% Rec	QC Flag	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
2000 E1	EJN00-13	E0000935	BHCO BG50 6/17	06/17/00	Tissue	Primary	rown-Headed Cowbi	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2000 E1	EJN00-13	E0000935	BHCO BG50 6/17	06/17/00	Tissue	Primary	rown-Headed Cowbi	Regional	7782-49-2	ICP, Hydride	Selenium	1.1	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-03-2000	0803SEHMW	7/24/2000	8/3/2000	15:52
2000 E1	EJN00-13	E0000936	YEWA MH72 6/17	06/17/00	Tissue	Primary	Yellow Warbler	Regional	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-13	E0000936	YEWA MH72 6/17	06/17/00	Tissue	Primary	Yellow Warbler	Regional	NA	Gravimetric	Moisture Content	81	1	NA	%	NA	1								
2000 E1	EJN00-13	E0000936	YEWA MH72 6/17	06/17/00	Tissue	Primary	Yellow Warbler	Regional	7782-49-2	ICP, Hydride	Selenium	1.3	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-03-2000	0803SEHMW	7/24/2000	8/3/2000	15:55
2000 E1	EJN00-13	E0000937	AMCO AR158 6/18	06/18/00	Tissue	Primary	American Coot	Background	7440-43-9	ICP - AES	Cadmium	0.012	0.025	MDL	ug/g	Wet Wt	1				ICP_9-7-00B	0907CDMWB	9/7/2000	9/7/2000	13:31
2000 E1	EJN00-13	E0000937	AMCO AR158 6/18	06/18/00	Tissue	Primary	American Coot	Background	NA	Gravimetric	Moisture Content	74	1	NA	%	NA	1								
2000 E1	EJN00-13	E0000937	AMCO AR158 6/18	06/18/00	Tissue	Primary	American Coot	Background	7782-49-2	ICP, Hydride	Selenium	0.33	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-03-2000	0803SEHMW	7/24/2000	8/3/2000	15:57
2000 E1	EJN00-13	E0000938	AMCO BG46 6/16	06/16/00	Tissue	Primary	American Coot	Regional	7440-43-9	ICP - AES	Cadmium	-0.012	0.025	MDL	ug/g	Wet Wt	1				ICP_9-7-00B	0907CDMWB	9/7/2000	9/7/2000	13:33
2000 E1	EJN00-13	E0000938	AMCO BG46 6/16	06/16/00	Tissue	Primary	American Coot	Regional	NA	Gravimetric	Moisture Content	75	1	NA	%	NA	1								
2000 E1	EJN00-13	E0000938	AMCO BG46 6/16	06/16/00	Tissue	Primary	American Coot	Regional	7782-49-2	ICP, Hydride	Selenium	1.2	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-03-2000	0803SEHMW	7/24/2000	8/3/2000	16:00
2000 E1	EJN00-13	E0000938D	AMCO BG46 6/16	06/16/00	Tissue	Lab Dupl	American Coot	Regional	NA	Gravimetric	Moisture Content	76	1	NA	%	NA	1								
2000 E1	EJN00-13	E0000938D	AMCO BG46 6/16	06/16/00	Tissue	Lab Dupl	American Coot	Regional	7782-49-2	ICP, Hydride	Selenium	1.3	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-03-2000	0803SEHMW	7/24/2000	8/3/2000	16:03
2000 E1	EJN00-13	E0000939	MAWR DJ62 6/17	06/17/00	Tissue	Primary	Marsh Wren	Regional	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-13	E0000939	MAWR DJ62 6/17	06/17/00	Tissue	Primary	Marsh Wren	Regional	NA	Gravimetric	Moisture Content	81	1	NA	%	NA	1								
2000 E1	EJN00-13	E0000939	MAWR DJ62 6/17	06/17/00	Tissue	Primary	Marsh Wren	Regional	7782-49-2	ICP, Hydride	Selenium	1.4	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-03-2000	0803SEHMW	7/24/2000	8/3/2000	16:06
2000 E1	EJN00-13	E0000939B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	0	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-03-2000	0803SEHMW	7/24/2000	8/3/2000	16:16
2000 E1	EJN00-13	E0000939BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.054	0.01	MDL	ug/g	Wet Wt	1	0.050	108		VGICP_8-03-2000	0803SEHMW	7/24/2000	8/3/2000	16:11
2000 E1	EJN00-13	E0000939CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.053	0.01	MDL	ug/g	Wet Wt	1	0.050	106		VGICP_8-03-2000	0803SEHMW	7/24/2000	8/3/2000	16:14
2000 E1	EJN00-13	E0000939SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.468	0.01	MDL	ug/g	Wet Wt	1	0.446	105		VGICP_8-03-2000	0803SEHMW	7/24/2000	8/3/2000	16:08
2000 E1	EJN00-13	E0000940	EAGR BG48 6/16	06/16/00	Tissue	Primary	Eared Grebe	Regional	7440-43-9	ICP - AES	Cadmium	0.002	0.025	MDL	ug/g	Wet Wt	1				ICP_9-7-00B	0907CDMWB	9/7/2000	9/7/2000	13:36
2000 E1	EJN00-13	E0000940	EAGR BG48 6/16	06/16/00	Tissue	Primary	Eared Grebe	Regional	NA	Gravimetric	Moisture Content	79	1	NA	%	NA	1								
2000 E1	EJN00-13	E0000940	EAGR BG48 6/16	06/16/00	Tissue	Primary	Eared Grebe	Regional	7782-49-2	ICP, Hydride	Selenium	1.2	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-01-2000	0801SEHMW	7/24/2000	8/1/2000	11:33
2000 E1	EJN00-13	E0000940B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	0	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-01-2000	0801SEHMW	7/24/2000	8/1/2000	11:19
2000 E1	EJN00-13	E0000940BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.054	0.01	MDL	ug/g	Wet Wt	1	0.050	108		VGICP_8-01-2000	0801SEHMW	7/24/2000	8/1/2000	11:24
2000 E1	EJN00-13	E0000940CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.052	0.01	MDL	ug/g	Wet Wt	1	0.050	104		VGICP_8-01-2000	0801SEHMW	7/24/2000	8/1/2000	11:22
2000 E1	EJN00-13	E0000940D	EAGR BG48 6/16	06/16/00	Tissue	Lab Dupl	Eared Grebe	Regional	7782-49-2	ICP, Hydride	Selenium	1.2	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-01-2000	0801SEHMW	7/24/2000	8/1/2000	11:36
2000 E1	EJN00-13	E0000940S1	TORT2	NA	Tissue	SRM	NA	NA	7782-49-2	ICP, Hydride	Selenium	5.61	0.01	MDL	ug/g	Wet Wt	1	5.630	100		VGICP_8-01-2000	0801SEHMW	7/24/2000	8/1/2000	11:29
2000 E1	EJN00-13	E0000940SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.462	0.01	MDL	ug/g	Wet Wt	1	0.446	104		VGICP_8-01-2000	0801SEHMW	7/24/2000	8/1/2000	11:27
2000 E1	EJN00-13	E0000941	EAGR MH63 6/16	06/16/00	Tissue	Primary	Eared Grebe	Regional	7440-43-9	ICP - AES	Cadmium	-0.004	0.025	MDL	ug/g	Wet Wt	1				ICP_9-7-00B	0907CDMWB	9/7/2000	9/7/2000	13:38
2000 E1	EJN00-13	E0000941	EAGR MH63 6/16	06/16/00	Tissue	Primary	Eared Grebe	Regional	NA	Gravimetric	Moisture Content	76	1	NA	%	NA	1								
2000 E1	EJN00-13	E0000941	EAGR MH63 6/16	06/16/00	Tissue	Primary	Eared Grebe	Regional	7782-49-2	ICP, Hydride	Selenium	1.5	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-01-2000	0801SEHMW	7/24/2000	8/1/2000	11:39
2000 E1	EJN00-13	E0000942	YHBL BG47 6/16	06/16/00	Tissue	Primary	ellow Headed Blackbi	Regional	7440-43-9	ICP - AES	Cadmium	0.005	0.025	MDL	ug/g	Wet Wt	1				ICP_9-7-00B	0907CDMWB	9/7/2000	9/7/2000	13:40
2000 E1	EJN00-13	E0000942	YHBL BG47 6/16	06/16/00	Tissue	Primary	ellow Headed Blackbi	Regional	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2000 E1	EJN00-13	E0000942	YHBL BG47 6/16	06/16/00	Tissue	Primary	ellow Headed Blackbi	Regional	7782-49-2	ICP, Hydride	Selenium	1.2	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-01-2000	0801SEHMW	7/24/2000	8/1/2000	11:42
2000 E1	EJN00-13	E0000943	AMCO BP54 6/16	06/16/00	Tissue	Primary	American Coot	Regional	7440-43-9	ICP - AES	Cadmium	0.001	0.025	MDL	ug/g	Wet Wt	1				ICP_9-7-00B	0907CDMWB	9/7/2000	9/7/2000	13:43
2000 E1	EJN00-13	E0000943	AMCO BP54 6/16	06/16/00	Tissue	Primary	American Coot	Regional	NA	Gravimetric	Moisture Content	72	1	NA	%	NA	1								
2000 E1	EJN00-13	E0000943	AMCO BP54 6/16	06/16/00	Tissue	Primary	American Coot	Regional	7782-49-2	ICP, Hydride	Selenium	0.97	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-01-2000	0801SEHMW	7/24/2000	8/1/2000	11:45
2000 E1	EJN00-13	E0000944	AMCO MH61 6/16	06/16/00	Tissue	Primary	American Coot	Regional	7440-43-9	ICP - AES	Cadmium	-0.008	0.025	MDL	ug/g	Wet Wt	1				ICP_9-7-00B	0907CDMWB	9/7/2000	9/7/2000	13:45
2000 E1	EJN00-13	E0000944	AMCO MH61 6/16	06/16/00	Tissue	Primary	American Coot	Regional	NA	Gravimetric	Moisture Content	74	1	NA	%	NA	1								
2000 E1	EJN00-13	E0000944	AMCO MH61 6/16	06/16/00	Tissue	Primary	American Coot	Regional	7782-49-2	ICP, Hydride	Selenium	1.3	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-01-2000	0801SEHMW	7/24/2000	8/1/2000	11:47
2000 E1	EJN00-13	E0000944B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	-0.001	0.025	MDL	ug/g	Wet Wt	1				ICP_9-7-00B	0907CDMWB	9/7/2000	9/7/2000	13:54
2000 E1	EJN00-13	E0000944BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7440-43-9	ICP - AES	Cadmium	0.080	0.025	MDL	ug/g	Wet Wt	1	0.080	100		ICP_9-7-00B	0907CDMWB	9/7/2000	9/7/2000	13:50
2000 E1	EJN00-13	E0000944CS	Check Standard	NA	Lab QC	CCV	NA	NA	7440-43-9	ICP - AES	Cadmium	0.105	0.025	MDL	ug/g	Wet Wt	1	0.100	105		ICP_9-7-00B	0907CDMWB	9/7/2000	9/7/2000	13:52
2000 E1	EJN00-13	E0000944D	AMCO MH61 6/16	06/16/00	Tissue	Lab Dupl	American Coot	Regional	7782-49-2	ICP, Hydride	Selenium	1.3	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-01-2000	0801SEHMW	7/24/2000	8/1/2000	11:50
2000 E1	EJN00-13	E0000944SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	61.500	0.025	MDL	ug/g	Wet Wt	1	54.3	113		ICP_9-7-00B	0907CDMWB	9/7/2000	9/7/2000	13:47
2000 E1	EJN00-13	E0000945	RWBL AR190-4 6/19	06/19/00	Tissue	Primary	Red-Winged Blackbir	Regional	7440-43-9	ICP - AES	Cadmium	0.025	0.025	MDL	ug/g	Wet Wt	1				ICP_9-7-00A	0907CDMW	9/7/2000	9/7/2000	10:44
2000 E1	EJN00-13	E0000945	RWBL AR190-4 6/19	06/19/00	Tissue	Primary	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2000 E1	EJN00-13	E0000945	RWBL AR190-4 6/19	06/19/00	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.79	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-01-2000	0801SEHMW	7/24/2000	8/1/2000	11:53
2000 E1	EJN00-13	E0000945B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	0.002	0.025	MDL	ug/g	Wet Wt	1				ICP_9-7-00A	0907CDMW	9/7/2000	9/7/2000	10:32
2000 E1	EJN00-13	E0000945BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7440-43-9	ICP - AES	Cadmium	0.077	0.025	MDL	ug/g	Wet Wt	1	0.080	96		ICP_9-7-00A	0907CDMW	9/7/2000	9/7/2000	10:37
2000 E1	EJN00-13	E0000945CS	Check Standard	NA	Lab QC	CCV	NA	NA	7440-43-9	ICP - AES	Cadmium	0.100	0.025	MDL	ug/g	Wet Wt	1	0.100	100		ICP_9-7-00A	0907CDMW	9/7/2000	9/7/2000	10:35
2000 E1	EJN00-13	E0000945CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.051	0.01	MDL	ug/g	Wet Wt	1	0.050	102		VGICP_8-01-2000	0801SEHMW	7/24/2000	8/1/2000	11:56
2000 E1	EJN00-13	E0000945SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	56.300	0.025	MDL	ug/g	Wet Wt	1	54.3	104		ICP_9-7-00A	0907CDMW	9/7/2000	9/7/2000	10:41
2000 E1	EJN00-13	E0000946	CAGU BP55 6/17	06/17/00	Tissue	Primary	California Gull	Regional	7440-43-9	ICP - AES	Cadmium	0.023	0.025	MDL	ug/g	Wet Wt	1				ICP_9-7-00A	0907CDMW	9/7/2000	9/7/2000	10:46
2000 E1	EJN00-13	E0000946	CAGU BP55 6/17	06/17/00	Tissue	Primary	California Gull	Regional	NA	Gravimetric	Moisture Content	75	1	NA	%	NA	1								
2000 E1	EJN00-13	E0000946	CAGU BP55 6/17	06/17/00	Tissue	Primary	California Gull	Regional	7782-49-2	ICP, Hydride	Selenium	0.91	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-01-2000	0801SEHMW	7/24/2000	8/1/2000	11:58
2000 E1	EJN00-13	E0000946B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	0	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-01-2000	0801SEHMW	7/24/2000	8/1/2000	12:01
2000 E1	EJN00-13	E0000946BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.054	0.01	MDL	ug/g	Wet Wt	1	0.050	108		VGICP_8-01-2000	0801SEHMW	7/24/2000	8/1/2000	12:04
2000 E1	EJN00-13	E0000946SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.415	0.01	MDL	ug/g	Wet Wt	1	0.446	93		VGICP_8-01-2000	0801SEHMW	7/24/2000	8/1/2000	12:06
2000 E1	EJN00-13	E0000947	RBGU MH69 6/17	06/17/00	Tissue	Triplicate	Ringbilled Gull	Regional	7440-43-9	ICP - AES	Cadmium	0.026	0.025	MDL	ug/g	Wet Wt	1				ICP_9-7-00A	0907CDMW	9/7/2000	9/7/2000	10:48
2000 E1	EJN00-13	E0000947	RBGU MH69 6/17	06/17/00	Tissue	Triplicate	Ringbilled Gull	Regional	NA	Gravimetric	Moisture Content	76	1	NA	%	NA	1								
2000 E1	EJN00-13	E0000947	RBGU MH69 6/17	06/17/00	Tissue	Triplicate	Ringbilled Gull	Regional	7782-49-2	ICP, Hydride	Selenium	0.81	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-01-2000	0801SEHMW	7/24/2000	8/1/2000	12:09
2000 E1	EJN00-13	E0000947-2	RBGU MH69 6/17	06/17/00	Tissue	Triplicate	Ringbilled Gull	Regional	7440-43-9	ICP - AES	Cadmium	0.037	0.025	MDL	ug/g	Wet Wt	1				ICP_9-7-00A	0907CDMW	9/7/2000	9/7/2000	10:50
2000 E1	EJN00-13	E0000947-2	RBGU MH69 6/17	06/17/00	Tissue	Triplicate	Ringbilled Gull	Regional	NA	Gravimetric	Moisture Content	76	1	NA	%	NA	1								

Event	UIASL Case #	UIASL Sample ID	Field Sample ID	Collection Date	Matrix	QC Type	Common Name	Spatial Relevance	CAS #	Method	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% Rec	QC Flag	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
2000 E1	EJN00-13	E0000947-2	RBGU MH69 6/17	06/17/00	Tissue	Triplicate	Ringbilled Gull	Regional	7782-49-2	ICP, Hydride	Selenium	0.83	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-01-2000	0801SEHMW	7/24/2000	8/1/2000	12:11
2000 E1	EJN00-13	E0000947-3	RBGU MH69 6/17	06/17/00	Tissue	Triplicate	Ringbilled Gull	Regional	7440-43-9	ICP - AES	Cadmium	0.021	0.025	MDL	ug/g	Wet Wt	1				ICP_9-7-00A	0907CDMW	9/7/2000	9/7/2000	10:53
2000 E1	EJN00-13	E0000947-3	RBGU MH69 6/17	06/17/00	Tissue	Triplicate	Ringbilled Gull	Regional	NA	Gravimetric	Moisture Content	74	1	NA	%	NA	1								
2000 E1	EJN00-13	E0000947-3	RBGU MH69 6/17	06/17/00	Tissue	Triplicate	Ringbilled Gull	Regional	7782-49-2	ICP, Hydride	Selenium	0.83	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-01-2000	0801SEHMW	7/24/2000	8/1/2000	12:14
2000 E1	EJN00-13	E0000947MS	RBGU MH69 6/17	06/17/00	Tissue	MS	Ringbilled Gull	NA	7440-43-9	ICP - AES	Cadmium	101	NA	NA	%				101		ICP_9-7-00A	0907CDMW	9/7/2000	9/7/2000	10:55
2000 E1	EJN00-13	E0000947MS	RBGU MH69 6/17	06/17/00	Tissue	MS	Ringbilled Gull	NA	7782-49-2	ICP, Hydride	Selenium	110	NA	NA	%				110		VGICP_8-01-2000	0801SEHMW	7/24/2000	8/1/2000	12:16
2000 E1	EJN00-13	E0000948	RWBL DJ64 6/19	06/19/00	Tissue	Primary	Red-Winged Blackbir	Regional	7440-43-9	ICP - AES	Cadmium	0.037	0.05	MDL	ug/g	Wet Wt	1				ICP_9-7-00A	0907CDMW	9/7/2000	9/7/2000	10:57
2000 E1	EJN00-13	E0000948	RWBL DJ64 6/19	06/19/00	Tissue	Primary	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	81	1	NA	%	NA	1								
2000 E1	EJN00-13	E0000948	RWBL DJ64 6/19	06/19/00	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.96	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-01-2000	0801SEHMW	7/24/2000	8/1/2000	12:19
2000 E1	EJN00-13	E0000949	CAGU BP57 6/17	06/17/00	Tissue	Primary	California Gull	Regional	7440-43-9	ICP - AES	Cadmium	0.033	0.025	MDL	ug/g	Wet Wt	1				ICP_9-7-00A	0907CDMW	9/7/2000	9/7/2000	11:00
2000 E1	EJN00-13	E0000949	CAGU BP57 6/17	06/17/00	Tissue	Primary	California Gull	Regional	NA	Gravimetric	Moisture Content	76	1	NA	%	NA	1								
2000 E1	EJN00-13	E0000949	CAGU BP57 6/17	06/17/00	Tissue	Primary	California Gull	Regional	7782-49-2	ICP, Hydride	Selenium	0.93	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-01-2000	0801SEHMW	7/24/2000	8/1/2000	12:22
2000 E1	EJN00-13	E0000949D	CAGU BP57 6/17	06/17/00	Tissue	Lab Dupl	California Gull	Regional	NA	Gravimetric	Moisture Content	77	1	NA	%	NA	1								
2000 E1	EJN00-13	E0000950	RBGU BP58 6/17	06/17/00	Tissue	Primary	Ringbilled Gull	Regional	7440-43-9	ICP - AES	Cadmium	0.021	0.025	MDL	ug/g	Wet Wt	1				ICP_9-7-00A	0907CDMW	9/7/2000	9/7/2000	11:02
2000 E1	EJN00-13	E0000950	RBGU BP58 6/17	06/17/00	Tissue	Primary	Ringbilled Gull	Regional	NA	Gravimetric	Moisture Content	74	1	NA	%	NA	1								
2000 E1	EJN00-13	E0000950	RBGU BP58 6/17	06/17/00	Tissue	Primary	Ringbilled Gull	Regional	7782-49-2	ICP, Hydride	Selenium	0.76	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-01-2000	0801SEHMW	7/24/2000	8/1/2000	12:24
2000 E1	EJN00-13	E0000951	YHBL AR184 6/16	06/16/00	Tissue	Primary	Yellow Headed Blackbi	Regional	7440-43-9	ICP - AES	Cadmium	0.019	0.042	MDL	ug/g	Wet Wt	1				ICP_9-7-00A	0907CDMW	9/7/2000	9/7/2000	10:04
2000 E1	EJN00-13	E0000951	YHBL AR184 6/16	06/16/00	Tissue	Primary	Yellow Headed Blackbi	Regional	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2000 E1	EJN00-13	E0000951	YHBL AR184 6/16	06/16/00	Tissue	Primary	Yellow Headed Blackbi	Regional	7782-49-2	ICP, Hydride	Selenium	0.65	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-01-2000	0801SEHMW	7/24/2000	8/1/2000	12:27
2000 E1	EJN00-13	E0000952	RWBL BG45 6/16	06/16/00	Tissue	Primary	Red-Winged Blackbir	Regional	7440-43-9	ICP - AES	Cadmium	0.036	0.025	MDL	ug/g	Wet Wt	1				ICP_9-7-00A	0907CDMW	9/7/2000	9/7/2000	11:07
2000 E1	EJN00-13	E0000952	RWBL BG45 6/16	06/16/00	Tissue	Primary	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2000 E1	EJN00-13	E0000952	RWBL BG45 6/16	06/16/00	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	1	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-01-2000	0801SEHMW	7/24/2000	8/1/2000	12:29
2000 E1	EJN00-13	E0000953	CAGU MH67 6/17	06/17/00	Tissue	Primary	California Gull	Regional	7440-43-9	ICP - AES	Cadmium	0.026	0.025	MDL	ug/g	Wet Wt	1				ICP_9-7-00A	0907CDMW	9/7/2000	9/7/2000	11:09
2000 E1	EJN00-13	E0000953	CAGU MH67 6/17	06/17/00	Tissue	Primary	California Gull	Regional	NA	Gravimetric	Moisture Content	75	1	NA	%	NA	1								
2000 E1	EJN00-13	E0000953	CAGU MH67 6/17	06/17/00	Tissue	Primary	California Gull	Regional	7782-49-2	ICP, Hydride	Selenium	1.1	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-01-2000	0801SEHMW	7/24/2000	8/1/2000	12:33
2000 E1	EJN00-13	E0000953B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	0.002	0.025	MDL	ug/g	Wet Wt	1				ICP_9-7-00A	0907CDMW	9/7/2000	9/7/2000	11:21
2000 E1	EJN00-13	E0000953BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7440-43-9	ICP - AES	Cadmium	0.080	0.025	MDL	ug/g	Wet Wt	1	0.080	100		ICP_9-7-00A	0907CDMW	9/7/2000	9/7/2000	11:16
2000 E1	EJN00-13	E0000953BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.052	0.01	MDL	ug/g	Wet Wt	1	0.050	104		VGICP_8-01-2000	0801SEHMW	7/24/2000	8/1/2000	12:41
2000 E1	EJN00-13	E0000953BS	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	0	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-01-2000	0801SEHMW	7/24/2000	8/1/2000	12:46
2000 E1	EJN00-13	E0000953CS	Check Standard	NA	Lab QC	CCV	NA	NA	7440-43-9	ICP - AES	Cadmium	0.097	0.025	MDL	ug/g	Wet Wt	1	0.100	97		ICP_9-7-00A	0907CDMW	9/7/2000	9/7/2000	11:14
2000 E1	EJN00-13	E0000953CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.052	0.01	MDL	ug/g	Wet Wt	1	0.050	104		VGICP_8-01-2000	0801SEHMW	7/24/2000	8/1/2000	12:44
2000 E1	EJN00-13	E0000953D	CAGU MH67 6/17	06/17/00	Tissue	Lab Dupl	California Gull	Regional	7440-43-9	ICP - AES	Cadmium	0.012	0.025	MDL	ug/g	Wet Wt	1				ICP_9-7-00A	0907CDMW	9/7/2000	9/7/2000	11:11
2000 E1	EJN00-13	E0000953D	CAGU MH67 6/17	06/17/00	Tissue	Lab Dupl	California Gull	Regional	7782-49-2	ICP, Hydride	Selenium	1.1	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-01-2000	0801SEHMW	7/24/2000	8/1/2000	12:36
2000 E1	EJN00-13	E0000953SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	54.500	0.025	MDL	ug/g	Wet Wt	1	54.3	100		ICP_9-7-00A	0907CDMW	9/7/2000	9/7/2000	11:18
2000 E1	EJN00-13	E0000953SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.45	0.01	MDL	ug/g	Wet Wt	1	0.446	101		VGICP_8-01-2000	0801SEHMW	7/24/2000	8/1/2000	12:39
2000 E1	EJN00-13	E0000954	CAGU BP56 6/17	06/17/00	Tissue	Triplicate	California Gull	Regional	7440-43-9	ICP - AES	Cadmium	0.012	0.025	MDL	ug/g	Wet Wt	1				ICP_9-7-00A	0907CDMW	9/7/2000	9/7/2000	11:23
2000 E1	EJN00-13	E0000954	CAGU BP56 6/17	06/17/00	Tissue	Triplicate	California Gull	Regional	NA	Gravimetric	Moisture Content	75	1	NA	%	NA	1								
2000 E1	EJN00-13	E0000954	CAGU BP56 6/17	06/17/00	Tissue	Triplicate	California Gull	Regional	7782-49-2	ICP, Hydride	Selenium	0.55	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-02-2000	0802SEHB	7/25/2000	8/2/2000	14:35
2000 E1	EJN00-13	E0000954-2	CAGU BP56 6/17	06/17/00	Tissue	Triplicate	California Gull	Regional	7440-43-9	ICP - AES	Cadmium	0.02	0.025	MDL	ug/g	Wet Wt	1				ICP_9-7-00A	0907CDMW	9/7/2000	9/7/2000	11:25
2000 E1	EJN00-13	E0000954-2	CAGU BP56 6/17	06/17/00	Tissue	Triplicate	California Gull	Regional	NA	Gravimetric	Moisture Content	75	1	NA	%	NA	1								
2000 E1	EJN00-13	E0000954-2	CAGU BP56 6/17	06/17/00	Tissue	Triplicate	California Gull	Regional	7782-49-2	ICP, Hydride	Selenium	0.6	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-02-2000	0802SEHB	7/25/2000	8/2/2000	14:38
2000 E1	EJN00-13	E0000954-3	CAGU BP56 6/17	06/17/00	Tissue	Triplicate	California Gull	Regional	7440-43-9	ICP - AES	Cadmium	0.014	0.025	MDL	ug/g	Wet Wt	1				ICP_9-7-00A	0907CDMW	9/7/2000	9/7/2000	11:28
2000 E1	EJN00-13	E0000954-3	CAGU BP56 6/17	06/17/00	Tissue	Triplicate	California Gull	Regional	NA	Gravimetric	Moisture Content	76	1	NA	%	NA	1								
2000 E1	EJN00-13	E0000954-3	CAGU BP56 6/17	06/17/00	Tissue	Triplicate	California Gull	Regional	7782-49-2	ICP, Hydride	Selenium	0.49	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-02-2000	0802SEHB	7/25/2000	8/2/2000	14:40
2000 E1	EJN00-13	E0000954B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	0	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-02-2000	0802SEHB	7/25/2000	8/2/2000	14:22
2000 E1	EJN00-13	E0000954BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.051	0.01	MDL	ug/g	Wet Wt	1	0.050	102		VGICP_8-02-2000	0802SEHB	7/25/2000	8/2/2000	14:27
2000 E1	EJN00-13	E0000954CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.052	0.01	MDL	ug/g	Wet Wt	1	0.050	104		VGICP_8-02-2000	0802SEHB	7/25/2000	8/2/2000	14:25
2000 E1	EJN00-13	E0000954MS	CAGU BP56 6/17	06/17/00	Tissue	MS	California Gull	NA	7440-43-9	ICP - AES	Cadmium	110	NA	NA	%				110		ICP_9-7-00A	0907CDMW	9/7/2000	9/7/2000	11:30
2000 E1	EJN00-13	E0000954MS	CAGU BP56 6/17	06/17/00	Tissue	MS	California Gull	NA	7782-49-2	ICP, Hydride	Selenium	100	NA	NA	%				100		VGICP_8-02-2000	0802SEHB	7/25/2000	8/2/2000	14:43
2000 E1	EJN00-13	E0000954S1	TORT2	NA	Tissue	SRM	NA	NA	7782-49-2	ICP, Hydride	Selenium	5.16	0.01	MDL	ug/g	Wet Wt	1	5.630	92		VGICP_8-02-2000	0802SEHB	7/25/2000	8/2/2000	14:32
2000 E1	EJN00-13	E0000954SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.425	0.01	MDL	ug/g	Wet Wt	1	0.446	95		VGICP_8-02-2000	0802SEHB	7/25/2000	8/2/2000	14:30
2000 E1	EJN00-15	E0000958	RWBL AR190-1 6/19	06/19/00	Tissue	Primary	Red-Winged Blackbir	Regional	7440-43-9	ICP - AES	Cadmium	0.015	0.025	MDL	ug/g	Wet Wt	1				ICP_9-7-00A	0907CDMW	9/7/2000	9/7/2000	11:33
2000 E1	EJN00-15	E0000958	RWBL AR190-1 6/19	06/19/00	Tissue	Primary	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2000 E1	EJN00-15	E0000958	RWBL AR190-1 6/19	06/19/00	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.89	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-02-2000	0802SEHB	7/25/2000	8/2/2000	14:46
2000 E1	EJN00-15	E0000959	RWBL AR190-2 6/19	06/19/00	Tissue	Primary	Red-Winged Blackbir	Regional	7440-43-9	ICP - AES	Cadmium	0.029	0.025	MDL	ug/g	Wet Wt	1				ICP_9-7-00A	0907CDMW	9/7/2000	9/7/2000	11:35
2000 E1	EJN00-15	E0000959	RWBL AR190-2 6/19	06/19/00	Tissue	Primary	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2000 E1	EJN00-15	E0000959	RWBL AR190-2 6/19	06/19/00	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.77	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-02-2000	0802SEHB	7/25/2000	8/2/2000	14:49
2000 E1	EJN00-15	E0000960	RWBL AR190-3 6/19	06/19/00	Tissue	Primary	Red-Winged Blackbir	Regional	7440-43-9	ICP - AES	Cadmium	0.018	0.025	MDL	ug/g	Wet Wt	1				ICP_9-7-00A	0907CDMW	9/7/2000	9/7/2000	11:37
2000 E1	EJN00-15	E0000960	RWBL AR190-3 6/19	06/19/00	Tissue	Primary	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2000 E1	EJN00-15	E0000960	RWBL AR190-3 6/19	06/19/00	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.85	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-02-2000	0802SEHB	7/25/2000	8/2/2000	14:51
2000 E1	EJN00-15	E0000961	CAGU MH68 6/17	06/17/00	Tissue	Primary	California Gull	Regional	7440-43-9	ICP - AES	Cadmium	0.027	0.025	MDL	ug/g	Wet Wt	1				ICP_9-7-00A	0907CDMW	9/7/2000	9/7/2000	11:40
2000 E1	EJN00-15	E0000961	CAGU MH68 6/17	06/17/00	Tissue	Primary	California Gull	Regional	NA	Gravimetric	Moisture Content	80	1	NA	%	NA	1								
2000 E1	EJN00-15	E0000961	CAGU MH68 6/17	06/17/00	Tissue	Primary	California Gull	Regional	7782-49-2	ICP, Hydride	Selenium	0.65	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-02-2000	0802SEHB	7/25/2000	8/2/2000	14:54
2000 E1	EJN00-15	E0000961D	CAGU MH68 6/17	06/17/00	Tissue	Lab Dupl	California Gull	Regional	7782-49-2	ICP, Hydride	Selenium	0.66	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-02-2000	0802SEHB	7/25/2000	8/2/2000	14:56
2000 E1	EJN00-15	E0000962	RBGU MH71 6/17	06/17/00	Tissue	Primary	Ringbilled Gull	Regional	7440-43-9	ICP - AES	Cadmium	0.025	0.025	MDL	ug/g	Wet Wt	1				ICP_9-7-00A	0907CDMW	9/7/2000	9/7/2000	11:42

Event	UIASL Case #	UIASL Sample ID	Field Sample ID	Collection Date	Matrix	QC Type	Common Name	Spatial Relevance	CAS #	Method	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% Rec	QC Flag	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
2000 E1	EJN00-15	E0000962	RBGU MH71 6/17	06/17/00	Tissue	Primary	Ringbilled Gull	Regional	NA	Gravimetric	Moisture Content	79	1	NA	%	NA	1								
2000 E1	EJN00-15	E0000962	RBGU MH71 6/17	06/17/00	Tissue	Primary	Ringbilled Gull	Regional	7782-49-2	ICP, Hydride	Selenium	0.7	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-02-2000	0802SEHB	7/25/2000	8/2/2000	14:59
2000 E1	EJN00-15	E0000962B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	0	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-02-2000	0802SEHB	7/25/2000	8/2/2000	15:04
2000 E1	EJN00-15	E0000962BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.051	0.01	MDL	ug/g	Wet Wt	1	0.050	102		VGICP_8-02-2000	0802SEHB	7/25/2000	8/2/2000	15:06
2000 E1	EJN00-15	E0000962CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.052	0.01	MDL	ug/g	Wet Wt	1	0.050	104		VGICP_8-02-2000	0802SEHB	7/25/2000	8/2/2000	15:01
2000 E1	EJN00-15	E0000962D	RBGU MH71 6/17	06/17/00	Tissue	Lab Dupl	Ringbilled Gull	Regional	NA	Gravimetric	Moisture Content	78	1	NA	%	NA	1								
2000 E1	EJN00-15	E0000962SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.403	0.01	MDL	ug/g	Wet Wt	1	0.446	90		VGICP_8-02-2000	0802SEHB	7/25/2000	8/2/2000	15:11
2000 E1	EJN00-15	E0000963	RBGU MH70 6/17	06/17/00	Tissue	Triplicate	Ringbilled Gull	Regional	7440-43-9	ICP - AES	Cadmium	0.007	0.025	MDL	ug/g	Wet Wt	1				ICP_9-7-00A	0907CDMW	9/7/2000	9/7/2000	11:44
2000 E1	EJN00-15	E0000963	RBGU MH70 6/17	06/17/00	Tissue	Triplicate	Ringbilled Gull	Regional	NA	Gravimetric	Moisture Content	74	1	NA	%	NA	1								
2000 E1	EJN00-15	E0000963	RBGU MH70 6/17	06/17/00	Tissue	Triplicate	Ringbilled Gull	Regional	7782-49-2	ICP, Hydride	Selenium	1	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-02-2000	0802SEHB	7/25/2000	8/2/2000	15:13
2000 E1	EJN00-15	E0000963-2	RBGU MH70 6/17	06/17/00	Tissue	Triplicate	Ringbilled Gull	Regional	7440-43-9	ICP - AES	Cadmium	0.012	0.025	MDL	ug/g	Wet Wt	1				ICP_9-7-00A	0907CDMW	9/7/2000	9/7/2000	11:47
2000 E1	EJN00-15	E0000963-2	RBGU MH70 6/17	06/17/00	Tissue	Triplicate	Ringbilled Gull	Regional	NA	Gravimetric	Moisture Content	73	1	NA	%	NA	1								
2000 E1	EJN00-15	E0000963-2	RBGU MH70 6/17	06/17/00	Tissue	Triplicate	Ringbilled Gull	Regional	7782-49-2	ICP, Hydride	Selenium	1	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-02-2000	0802SEHB	7/25/2000	8/2/2000	15:16
2000 E1	EJN00-15	E0000963-3	RBGU MH70 6/17	06/17/00	Tissue	Triplicate	Ringbilled Gull	Regional	7440-43-9	ICP - AES	Cadmium	0.018	0.025	MDL	ug/g	Wet Wt	1				ICP_9-7-00A	0907CDMW	9/7/2000	9/7/2000	11:49
2000 E1	EJN00-15	E0000963-3	RBGU MH70 6/17	06/17/00	Tissue	Triplicate	Ringbilled Gull	Regional	NA	Gravimetric	Moisture Content	74	1	NA	%	NA	1								
2000 E1	EJN00-15	E0000963-3	RBGU MH70 6/17	06/17/00	Tissue	Triplicate	Ringbilled Gull	Regional	7782-49-2	ICP, Hydride	Selenium	1	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-02-2000	0802SEHB	7/25/2000	8/2/2000	15:19
2000 E1	EJN00-13	E0000963B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	0.001	0.025	MDL	ug/g	Wet Wt	1				ICP_9-7-00A	0907CDMW	9/7/2000	9/7/2000	12:00
2000 E1	EJN00-16	E0000963B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	0.001	0.025	MDL	ug/g	Wet Wt	1				ICP_9-1-00C	0901CDMWC	9/1/2000	9/1/2000	16:03
2000 E1	EJN00-13	E0000963BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7440-43-9	ICP - AES	Cadmium	0.078	0.025	MDL	ug/g	Wet Wt	1	0.080	98		ICP_9-7-00A	0907CDMW	9/7/2000	9/7/2000	11:56
2000 E1	EJN00-16	E0000963BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7440-43-9	ICP - AES	Cadmium	0.086	0.025	MDL	ug/g	Wet Wt	1	0.080	108		ICP_9-1-00C	0901CDMWC	9/1/2000	9/1/2000	16:04
2000 E1	EJN00-13	E0000963CS	Check Standard	NA	Lab QC	CCV	NA	NA	7440-43-9	ICP - AES	Cadmium	0.099	0.025	MDL	ug/g	Wet Wt	1	0.100	99		ICP_9-7-00A	0907CDMW	9/7/2000	9/7/2000	11:58
2000 E1	EJN00-16	E0000963CS	Check Standard	NA	Lab QC	CCV	NA	NA	7440-43-9	ICP - AES	Cadmium	0.108	0.025	MDL	ug/g	Wet Wt	1	0.100	108		ICP_9-1-00C	0901CDMWC	9/1/2000	9/1/2000	16:01
2000 E1	EJN00-15	E0000963MS	RBGU MH70 6/17	06/17/00	Tissue	MS	Ringbilled Gull	NA	7440-43-9	ICP - AES	Cadmium	102	NA	NA	%				102		ICP_9-7-00A	0907CDMW	9/7/2000	9/7/2000	11:51
2000 E1	EJN00-15	E0000963MS	RBGU MH70 6/17	06/17/00	Tissue	MS	Ringbilled Gull	NA	7782-49-2	ICP, Hydride	Selenium	100	NA	NA	%				100		VGICP_8-02-2000	0802SEHB	7/25/2000	8/2/2000	15:22
2000 E1	EJN00-13	E0000963SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	58.500	0.025	MDL	ug/g	Wet Wt	1	54.3	108		ICP_9-7-00A	0907CDMW	9/7/2000	9/7/2000	11:53
2000 E1	EJN00-16	E0000963SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	58.900	0.025	MDL	ug/g	Wet Wt	1	54.3	108		ICP_9-1-00C	0901CDMWC	9/1/2000	9/1/2000	16:06
2000 E1	EJN00-15	E0000964	RBGU BP59 6/17	06/17/00	Tissue	Primary	Ringbilled Gull	Regional	7440-43-9	ICP - AES	Cadmium	0.022	0.025	MDL	ug/g	Wet Wt	1				ICP_9-1-00C	0901CDMWC	9/1/2000	9/1/2000	15:41
2000 E1	EJN00-15	E0000964	RBGU BP59 6/17	06/17/00	Tissue	Primary	Ringbilled Gull	Regional	NA	Gravimetric	Moisture Content	76	1	NA	%	NA	1								
2000 E1	EJN00-15	E0000964	RBGU BP59 6/17	06/17/00	Tissue	Primary	Ringbilled Gull	Regional	7782-49-2	ICP, Hydride	Selenium	0.69	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-02-2000	0802SEHB	7/25/2000	8/2/2000	15:25
2000 E1	EJN00-15	E0000964D	RBGU BP59 6/17	06/17/00	Tissue	Lab Dupl	Ringbilled Gull	Regional	7440-43-9	ICP - AES	Cadmium	0.008	0.025	MDL	ug/g	Wet Wt	1				ICP_9-1-00C	0901CDMWC	9/1/2000	9/1/2000	15:43
2000 E1	EJN00-15	E0000964D	RBGU BP59 6/17	06/17/00	Tissue	Lab Dupl	Ringbilled Gull	Regional	7782-49-2	ICP, Hydride	Selenium	0.69	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-02-2000	0802SEHB	7/25/2000	8/2/2000	15:28
2000 E1	EJN00-15	E0000965	RWBL AR189-1 6/19	06/19/00	Tissue	Primary	Red-Winged Blackbir	Regional	7440-43-9	ICP - AES	Cadmium	0.016	0.025	MDL	ug/g	Wet Wt	1				ICP_9-1-00C	0901CDMWC	9/1/2000	9/1/2000	15:45
2000 E1	EJN00-15	E0000965	RWBL AR189-1 6/19	06/19/00	Tissue	Primary	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2000 E1	EJN00-15	E0000965	RWBL AR189-1 6/19	06/19/00	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.36	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-02-2000	0802SEHB	7/25/2000	8/2/2000	15:31
2000 E1	EJN00-15	E0000966	RWBL AR189-2 6/19	06/19/00	Tissue	Primary	Red-Winged Blackbir	Regional	7440-43-9	ICP - AES	Cadmium	0.016	0.025	MDL	ug/g	Wet Wt	1				ICP_9-1-00C	0901CDMWC	9/1/2000	9/1/2000	15:47
2000 E1	EJN00-15	E0000966	RWBL AR189-2 6/19	06/19/00	Tissue	Primary	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2000 E1	EJN00-15	E0000966	RWBL AR189-2 6/19	06/19/00	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.82	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-02-2000	0802SEHB	7/25/2000	8/2/2000	15:43
2000 E1	EJN00-15	E0000967	RWBL AR189-3 6/19	06/19/00	Tissue	Primary	Red-Winged Blackbir	Regional	7440-43-9	ICP - AES	Cadmium	-0.014	0.042	MDL	ug/g	Wet Wt	1				ICP_9-1-00C	0901CDMWC	9/1/2000	9/1/2000	15:49
2000 E1	EJN00-15	E0000967	RWBL AR189-3 6/19	06/19/00	Tissue	Primary	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2000 E1	EJN00-15	E0000967	RWBL AR189-3 6/19	06/19/00	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.79	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-02-2000	0802SEHB	7/25/2000	8/2/2000	15:46
2000 E1	EJN00-16	E0000968	BHCO BG57 6/23	06/23/00	Tissue	Primary	Brown-Headed Cowbi	Regional	7440-43-9	ICP - AES	Cadmium	0.03	0.05	MDL	ug/g	Wet Wt	1				ICP_9-1-00C	0901CDMWC	9/1/2000	9/1/2000	15:50
2000 E1	EJN00-16	E0000968	BHCO BG57 6/23	06/23/00	Tissue	Primary	Brown-Headed Cowbi	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2000 E1	EJN00-16	E0000968	BHCO BG57 6/23	06/23/00	Tissue	Primary	Brown-Headed Cowbi	Regional	7782-49-2	ICP, Hydride	Selenium	0.62	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-02-2000	0802SEHB	7/25/2000	8/2/2000	15:48
2000 E1	EJN00-16	E0000968B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	0	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-02-2000	0802SEHB	7/25/2000	8/2/2000	15:58
2000 E1	EJN00-16	E0000968BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.051	0.01	MDL	ug/g	Wet Wt	1	0.050	102		VGICP_8-02-2000	0802SEHB	7/25/2000	8/2/2000	15:53
2000 E1	EJN00-16	E0000968CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.052	0.01	MDL	ug/g	Wet Wt	1	0.050	104		VGICP_8-02-2000	0802SEHB	7/25/2000	8/2/2000	15:56
2000 E1	EJN00-16	E0000968SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.419	0.01	MDL	ug/g	Wet Wt	1	0.446	94		VGICP_8-02-2000	0802SEHB	7/25/2000	8/2/2000	15:51
2000 E1	EJN00-16	E0000969	SOSP DJ75 6/23	06/23/00	Tissue	Primary	Song Sparrow	Regional	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-16	E0000969	SOSP DJ75 6/23	06/23/00	Tissue	Primary	Song Sparrow	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2000 E1	EJN00-16	E0000969	SOSP DJ75 6/23	06/23/00	Tissue	Primary	Song Sparrow	Regional	7782-49-2	ICP, Hydride	Selenium	3.1	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-04-2000	0804SEHB	7/25/2000	8/4/2000	12:23
2000 E1	EJN00-16	E0000969B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	0	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-04-2000	0804SEHB	7/25/2000	8/4/2000	12:13
2000 E1	EJN00-16	E0000969BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.052	0.01	MDL	ug/g	Wet Wt	1	0.050	104		VGICP_8-04-2000	0804SEHB	7/25/2000	8/4/2000	12:18
2000 E1	EJN00-16	E0000969CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.052	0.01	MDL	ug/g	Wet Wt	1	0.050	104		VGICP_8-04-2000	0804SEHB	7/25/2000	8/4/2000	12:15
2000 E1	EJN00-16	E0000969SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.431	0.01	MDL	ug/g	Wet Wt	1	0.446	97		VGICP_8-04-2000	0804SEHB	7/25/2000	8/4/2000	12:20
2000 E1	EJN00-16	E0000970	AMRO BG58 6/23	06/23/00	Tissue	Primary	American Robin	Regional	7440-43-9	ICP - AES	Cadmium	0.01	0.025	MDL	ug/g	Wet Wt	1				ICP_9-1-00C	0901CDMWC	9/1/2000	9/1/2000	15:51
2000 E1	EJN00-16	E0000970	AMRO BG58 6/23	06/23/00	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2000 E1	EJN00-16	E0000970	AMRO BG58 6/23	06/23/00	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	1.3	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-04-2000	0804SEHB	7/25/2000	8/4/2000	12:26
2000 E1	EJN00-16	E0000970D	AMRO BG58 6/23	06/23/00	Tissue	Lab Dupl	American Robin	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2000 E1	EJN00-16	E0000971	BHCO DJ76 6/23	06/23/00	Tissue	Primary	Brown-Headed Cowbi	Regional	7440-43-9	ICP - AES	Cadmium	0.023	0.05	MDL	ug/g	Wet Wt	1				ICP_9-1-00C	0901CDMWC	9/1/2000	9/1/2000	15:53
2000 E1	EJN00-16	E0000971	BHCO DJ76 6/23	06/23/00	Tissue	Primary	Brown-Headed Cowbi	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2000 E1	EJN00-16	E0000971	BHCO DJ76 6/23	06/23/00	Tissue	Primary	Brown-Headed Cowbi	Regional	7782-49-2	ICP, Hydride	Selenium	0.96	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-04-2000	0804SEHB	7/25/2000	8/4/2000	12:29
2000 E1	EJN00-16	E0000972	RWBL HR148-1 6/22	06/22/00	Tissue	Primary	Red-Winged Blackbir	Background	7440-43-9	ICP - AES	Cadmium	-0.001	0.03	MDL	ug/g	Wet Wt	1				ICP_9-1-00C	0901CDMWC	9/1/2000	9/1/2000	15:54
2000 E1	EJN00-16	E0000972	RWBL HR148-1 6/22	06/22/00	Tissue	Primary	Red-Winged Blackbir	Background	NA	Gravimetric	Moisture Content	81	1	NA	%	NA	1								
2000 E1	EJN00-16	E0000972	RWBL HR148-1 6/22	06/22/00	Tissue	Primary	Red-Winged Blackbir	Background	7782-49-2	ICP, Hydride	Selenium	0.6	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-04-2000	0804SEHB	7/25/2000	8/4/2000	12:31
2000 E1	EJN00-16	E0000973	RWBL HR148-2 6/22	06/22/00	Tissue	Primary	Red-Winged Blackbir	Background	7440-43-9	ICP - AES	Cadmium	0.003	0.03	MDL	ug/g	Wet Wt	1				ICP_9-1-00C	0901CDMWC	9/1/2000	9/1/2000	15:56

Event	UIASL Case #	UIASL Sample ID	Field Sample ID	Collection Date	Matrix	QC Type	Common Name	Spatial Relevance	CAS #	Method	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% Rec	QC Flag	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
2000 E1	EJN00-16	E0000973	RWBL HR148-2 6/22	06/22/00	Tissue	Primary	Red-Winged Blackbir	Background	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2000 E1	EJN00-16	E0000973	RWBL HR148-2 6/22	06/22/00	Tissue	Primary	Red-Winged Blackbir	Background	7782-49-2	ICP, Hydride	Selenium	0.58	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-04-2000	0804SEHB	7/25/2000	8/4/2000	12:34
2000 E1	EJN00-16	E0000974	RWBL HR148-3 6/22	06/22/00	Tissue	Primary	Red-Winged Blackbir	Background	7440-43-9	ICP - AES	Cadmium	0	0.025	MDL	ug/g	Wet Wt	1				ICP_9-1-00C	0901CDMWC	9/1/2000	9/1/2000	15:57
2000 E1	EJN00-16	E0000974	RWBL HR148-3 6/22	06/22/00	Tissue	Primary	Red-Winged Blackbir	Background	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2000 E1	EJN00-16	E0000974	RWBL HR148-3 6/22	06/22/00	Tissue	Primary	Red-Winged Blackbir	Background	7782-49-2	ICP, Hydride	Selenium	0.61	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-04-2000	0804SEHB	7/25/2000	8/4/2000	12:37
2000 E1	EJN00-16	E0000975	RWBL HR148-4 6/22	06/22/00	Tissue	Primary	Red-Winged Blackbir	Background	7440-43-9	ICP - AES	Cadmium	-0.005	0.03	MDL	ug/g	Wet Wt	1				ICP_9-1-00C	0901CDMWC	9/1/2000	9/1/2000	15:59
2000 E1	EJN00-16	E0000975	RWBL HR148-4 6/22	06/22/00	Tissue	Primary	Red-Winged Blackbir	Background	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2000 E1	EJN00-16	E0000975	RWBL HR148-4 6/22	06/22/00	Tissue	Primary	Red-Winged Blackbir	Background	7782-49-2	ICP, Hydride	Selenium	0.52	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-04-2000	0804SEHB	7/25/2000	8/4/2000	12:39
2000 E1	EJN00-16	E0000976	FRGU DJ71 6/22	06/22/00	Tissue	Triplicate	Franklin's Gull	Background	7440-43-9	ICP - AES	Cadmium	0.008	0.025	MDL	ug/g	Wet Wt	1				ICP_9-12-00	0912CDMW	9/12/2000	9/12/2000	12:59
2000 E1	EJN00-16	E0000976	FRGU DJ71 6/22	06/22/00	Tissue	Triplicate	Franklin's Gull	Background	NA	Gravimetric	Moisture Content	73	1	NA	%	NA	1								
2000 E1	EJN00-16	E0000976	FRGU DJ71 6/22	06/22/00	Tissue	Triplicate	Franklin's Gull	Background	7782-49-2	ICP, Hydride	Selenium	1.1	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-04-2000	0804SEHB	7/25/2000	8/4/2000	12:42
2000 E1	EJN00-16	E0000976-2	FRGU DJ71 6/22	06/22/00	Tissue	Triplicate	Franklin's Gull	Background	7440-43-9	ICP - AES	Cadmium	0.015	0.025	MDL	ug/g	Wet Wt	1				ICP_9-12-00	0912CDMW	9/12/2000	9/12/2000	13:01
2000 E1	EJN00-16	E0000976-2	FRGU DJ71 6/22	06/22/00	Tissue	Triplicate	Franklin's Gull	Background	NA	Gravimetric	Moisture Content	73	1	NA	%	NA	1								
2000 E1	EJN00-16	E0000976-2	FRGU DJ71 6/22	06/22/00	Tissue	Triplicate	Franklin's Gull	Background	7782-49-2	ICP, Hydride	Selenium	1.1	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-04-2000	0804SEHB	7/25/2000	8/4/2000	12:45
2000 E1	EJN00-16	E0000976-3	FRGU DJ71 6/22	06/22/00	Tissue	Triplicate	Franklin's Gull	Background	7440-43-9	ICP - AES	Cadmium	0.013	0.025	MDL	ug/g	Wet Wt	1				ICP_9-12-00	0912CDMW	9/12/2000	9/12/2000	13:03
2000 E1	EJN00-16	E0000976-3	FRGU DJ71 6/22	06/22/00	Tissue	Triplicate	Franklin's Gull	Background	NA	Gravimetric	Moisture Content	73	1	NA	%	NA	1								
2000 E1	EJN00-16	E0000976-3	FRGU DJ71 6/22	06/22/00	Tissue	Triplicate	Franklin's Gull	Background	7782-49-2	ICP, Hydride	Selenium	1.1	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-04-2000	0804SEHB	7/25/2000	8/4/2000	12:48
2000 E1	EJN00-16	E0000976B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	0.001	0.025	MDL	ug/g	Wet Wt	1				ICP_9-12-00	0912CDMW	9/12/2000	9/12/2000	12:49
2000 E1	EJN00-16	E0000976B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	0	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-04-2000	0804SEHB	7/25/2000	8/4/2000	12:56
2000 E1	EJN00-16	E0000976BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7440-43-9	ICP - AES	Cadmium	0.083	0.025	MDL	ug/g	Wet Wt	1	0.080	104		ICP_9-12-00	0912CDMW	9/12/2000	9/15/2000	13:31
2000 E1	EJN00-16	E0000976BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.051	0.01	MDL	ug/g	Wet Wt	1	0.050	102		VGICP_8-04-2000	0804SEHB	7/25/2000	8/4/2000	12:59
2000 E1	EJN00-16	E0000976CS	Check Standard	NA	Lab QC	CCV	NA	NA	7440-43-9	ICP - AES	Cadmium	0.999	0.025	MDL	ug/g	Wet Wt	1	0.100	999		ICP_9-12-00	0912CDMW	9/12/2000	9/12/2000	12:52
2000 E1	EJN00-16	E0000976CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.051	0.01	MDL	ug/g	Wet Wt	1	0.050	102		VGICP_8-04-2000	0804SEHB	7/25/2000	8/4/2000	12:54
2000 E1	EJN00-16	E0000976MS	FRGU DJ71 6/22	06/22/00	Tissue	MS	Franklin's Gull	NA	7440-43-9	ICP - AES	Cadmium	110	NA	NA	%				110		ICP_9-12-00	0912CDMW	9/12/2000	9/12/2000	13:06
2000 E1	EJN00-16	E0000976MS	FRGU DJ71 6/22	06/22/00	Tissue	MS	Franklin's Gull	NA	7782-49-2	ICP, Hydride	Selenium	110	NA	NA	%				110		VGICP_8-04-2000	0804SEHB	7/25/2000	8/4/2000	12:51
2000 E1	EJN00-16	E0000976SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	49.900	0.025	MDL	ug/g	Wet Wt	1	54.3	92		ICP_9-12-00	0912CDMW	9/12/2000	9/15/2000	13:34
2000 E1	EJN00-16	E0000976SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.44	0.01	MDL	ug/g	Wet Wt	1	0.446	99		VGICP_8-04-2000	0804SEHB	7/25/2000	8/4/2000	13:01
2000 E1	EJN00-16	E0000977	KILL BP66 6/22	06/22/00	Tissue	Primary	Killdeer	Background	7440-43-9	ICP - AES	Cadmium	0.001	0.025	MDL	ug/g	Wet Wt	1				ICP_9-12-00	0912CDMW	9/12/2000	9/12/2000	13:08
2000 E1	EJN00-16	E0000977	KILL BP66 6/22	06/22/00	Tissue	Primary	Killdeer	Background	NA	Gravimetric	Moisture Content	72	1	NA	%	NA	1								
2000 E1	EJN00-16	E0000977	KILL BP66 6/22	06/22/00	Tissue	Primary	Killdeer	Background	7782-49-2	ICP, Hydride	Selenium	0.88	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-04-2000	0804SEHB	7/25/2000	8/4/2000	13:04
2000 E1	EJN00-16	E0000977D	KILL BP66 6/22	06/22/00	Tissue	Lab Dupl	Killdeer	Background	7440-43-9	ICP - AES	Cadmium	0.002	0.025	MDL	ug/g	Wet Wt	1				ICP_9-12-00	0912CDMW	9/12/2000	9/12/2000	13:10
2000 E1	EJN00-16	E0000977D	KILL BP66 6/22	06/22/00	Tissue	Lab Dupl	Killdeer	Background	7782-49-2	ICP, Hydride	Selenium	0.88	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-04-2000	0804SEHB	7/25/2000	8/4/2000	13:06
2000 E1	EJN00-16	E0000978	RWBL AR191-1 6/19	06/19/00	Tissue	Primary	Red-Winged Blackbir	Regional	7440-43-9	ICP - AES	Cadmium	-0.005	0.025	MDL	ug/g	Wet Wt	1				ICP_9-12-00	0912CDMW	9/12/2000	9/12/2000	13:13
2000 E1	EJN00-16	E0000978	RWBL AR191-1 6/19	06/19/00	Tissue	Primary	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2000 E1	EJN00-16	E0000978	RWBL AR191-1 6/19	06/19/00	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	1.6	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-04-2000	0804SEHB	7/25/2000	8/4/2000	13:09
2000 E1	EJN00-16	E0000979	RWBL AR191-2 6/19	06/19/00	Tissue	Primary	Red-Winged Blackbir	Regional	7440-43-9	ICP - AES	Cadmium	-0.012	0.025	MDL	ug/g	Wet Wt	1				ICP_9-12-00	0912CDMW	9/12/2000	9/12/2000	13:15
2000 E1	EJN00-16	E0000979	RWBL AR191-2 6/19	06/19/00	Tissue	Primary	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	81	1	NA	%	NA	1								
2000 E1	EJN00-16	E0000979	RWBL AR191-2 6/19	06/19/00	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.15	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-04-2000	0804SEHB	7/25/2000	8/4/2000	13:12
2000 E1	EJN00-16	E0000980	RWBL AR191-3 6/19	06/19/00	Tissue	Primary	Red-Winged Blackbir	Regional	7440-43-9	ICP - AES	Cadmium	0.008	0.025	MDL	ug/g	Wet Wt	1				ICP_9-12-00	0912CDMW	9/12/2000	9/12/2000	13:17
2000 E1	EJN00-16	E0000980	RWBL AR191-3 6/19	06/19/00	Tissue	Primary	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2000 E1	EJN00-16	E0000980	RWBL AR191-3 6/19	06/19/00	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	1.5	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-04-2000	0804SEHB	7/25/2000	8/4/2000	13:15
2000 E1	EJN00-16	E0000981	RWBL AR191-4 6/19	06/19/00	Tissue	Primary	Red-Winged Blackbir	Regional	7440-43-9	ICP - AES	Cadmium	0.021	0.025	MDL	ug/g	Wet Wt	1				ICP_9-12-00	0912CDMW	9/12/2000	9/12/2000	13:20
2000 E1	EJN00-16	E0000981	RWBL AR191-4 6/19	06/19/00	Tissue	Primary	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2000 E1	EJN00-16	E0000981	RWBL AR191-4 6/19	06/19/00	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	1.2	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-04-2000	0804SEHB	7/25/2000	8/4/2000	13:18
2000 E1	EJN00-16	E0000982	CITE MH78 6/21	06/21/00	Tissue	Primary	Cinnamon Teal	Regional	7440-43-9	ICP - AES	Cadmium	0.013	0.025	MDL	ug/g	Wet Wt	1				ICP_9-12-00	0912CDMW	9/12/2000	9/12/2000	13:22
2000 E1	EJN00-16	E0000982	CITE MH78 6/21	06/21/00	Tissue	Primary	Cinnamon Teal	Regional	NA	Gravimetric	Moisture Content	69	1	NA	%	NA	1								
2000 E1	EJN00-16	E0000982	CITE MH78 6/21	06/21/00	Tissue	Primary	Cinnamon Teal	Regional	7782-49-2	ICP, Hydride	Selenium	5	0.01	MDL	ug/g	Wet Wt	10				VGICP_8-04-2000	0804SEHB	7/25/2000	8/4/2000	13:44
2000 E1	EJN00-16	E0000982D	CITE MH78 6/21	06/21/00	Tissue	Lab Dupl	Cinnamon Teal	Regional	NA	Gravimetric	Moisture Content	70	1	NA	%	NA	1								
2000 E1	EJN00-16	E0000982D	CITE MH78 6/21	06/21/00	Tissue	Lab Dupl	Cinnamon Teal	Regional	7782-49-2	ICP, Hydride	Selenium	5	0.01	MDL	ug/g	Wet Wt	10				VGICP_8-04-2000	0804SEHB	7/25/2000	8/4/2000	13:47
2000 E1	EJN00-16	E0000983	CLSW BP62 6/20	06/20/00	Tissue	Primary	Cliff Swallow	Background	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-16	E0000983	CLSW BP62 6/20	06/20/00	Tissue	Primary	Cliff Swallow	Background	NA	Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
2000 E1	EJN00-16	E0000983	CLSW BP62 6/20	06/20/00	Tissue	Primary	Cliff Swallow	Background	7782-49-2	ICP, Hydride	Selenium	0.39	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-04-2000	0804SEHB	7/25/2000	8/4/2000	13:27
2000 E1	EJN00-16	E0000983B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	0	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-04-2000	0804SEHB	7/25/2000	8/4/2000	13:38
2000 E1	EJN00-16	E0000983BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.051	0.01	MDL	ug/g	Wet Wt	1	0.050	102		VGICP_8-04-2000	0804SEHB	7/25/2000	8/4/2000	13:32
2000 E1	EJN00-16	E0000983CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.051	0.01	MDL	ug/g	Wet Wt	1	0.050	102		VGICP_8-04-2000	0804SEHB	7/25/2000	8/4/2000	13:35
2000 E1	EJN00-16	E0000983SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.453	0.01	MDL	ug/g	Wet Wt	1	0.446	102		VGICP_8-04-2000	0804SEHB	7/25/2000	8/4/2000	13:30
2000 E1	EJN00-16	E0000984	AMCO DJ69 6/20	06/20/00	Tissue	Primary	American Coot	Background	7440-43-9	ICP - AES	Cadmium	0.000	0.025	MDL	ug/g	Wet Wt	1				ICP_9-12-00	0912CDMW	9/12/2000	9/12/2000	13:24
2000 E1	EJN00-16	E0000984	AMCO DJ69 6/20	06/20/00	Tissue	Primary	American Coot	Background	NA	Gravimetric	Moisture Content	74	1	NA	%	NA	1								
2000 E1	EJN00-16	E0000984	AMCO DJ69 6/20	06/20/00	Tissue	Primary	American Coot	Background	7782-49-2	ICP, Hydride	Selenium	0.42	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-09-2000	0809SEMW	8/1/2000	8/9/2000	11:03
2000 E1	EJN00-16	E0000984B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	0.001	0.025	MDL	ug/g	Wet Wt	1				ICP_9-12-00	0912CDMW	9/12/2000	9/15/2000	13:38
2000 E1	EJN00-16	E0000984BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7440-43-9	ICP - AES	Cadmium	1.27	0.025	MDL	ug/g	Wet Wt	1	0.080	1588		ICP_9-12-00	0912CDMW	9/12/2000	9/12/2000	13:34
2000 E1	EJN00-16	E0000984CS	Check Standard	NA	Lab QC	CCV	NA	NA	7440-43-9	ICP - AES	Cadmium	0.104	0.025	MDL	ug/g	Wet Wt	1	0.100	104		ICP_9-12-00	0912CDMW	9/12/2000	9/12/2000	13:29
2000 E1	EJN00-16	E0000984D	AMCO DJ69 6/20	06/20/00	Tissue	Lab Dupl	American Coot	Background	7440-43-9	ICP - AES	Cadmium	0.006	0.025	MDL	ug/g	Wet Wt	1				ICP_9-12-00	0912CDMW	9/12/2000	9/12/2000	13:27
2000 E1	EJN00-16	E0000984D	AMCO DJ69 6/20	06/20/00	Tissue	Lab Dupl	American Coot	Background	NA	Gravimetric	Moisture Content	73	1	NA	%	NA	1								
2000 E1	EJN00-16	E0000984SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	58.900	0.025	MDL	ug/g	Wet Wt	1	54.3	108		ICP_9-12-00	0912CDMW	9/12/2000	9/15/2000	13:36

Event	UIASL Case #	UIASL Sample ID	Field Sample ID	Collection Date	Matrix	QC Type	Common Name	Spatial Relevance	CAS #	Method	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% Rec	QC Flag	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
2000 E1	EJN00-16	E0000984SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.406	0.01	MDL	ug/g	Wet Wt	1	0.446	91		VGICP_8-09-2000	0809SEMW	8/1/2000	8/9/2000	10:59
2000 E1	EJN00-16	E0000985	YHBL BP64 6/20	06/20/00	Tissue	Primary	llow Headed Blackbi	Background	7440-43-9	ICP - AES	Cadmium	-0.014	0.05	MDL	ug/g	Wet Wt	1				ICP_9-12-00	0912CDMW	9/12/2000	9/12/2000	13:41
2000 E1	EJN00-16	E0000985	YHBL BP64 6/20	06/20/00	Tissue	Primary	llow Headed Blackbi	Background	NA	Gravimetric	Moisture Content	81	1	NA	%	NA	1								
2000 E1	EJN00-16	E0000985	YHBL BP64 6/20	06/20/00	Tissue	Primary	llow Headed Blackbi	Background	7782-49-2	ICP, Hydride	Selenium	0.68	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-09-2000	0809SEMW	8/1/2000	8/9/2000	11:06
2000 E1	EJN00-16	E0000986	AMCO BG51 6/20	06/20/00	Tissue	Triplicate	American Coot	Background	7440-43-9	ICP - AES	Cadmium	0.009	0.025	MDL	ug/g	Wet Wt	1				ICP_9-12-00	0912CDMW	9/12/2000	9/12/2000	13:43
2000 E1	EJN00-16	E0000986	AMCO BG51 6/20	06/20/00	Tissue	Triplicate	American Coot	Background	NA	Gravimetric	Moisture Content	71	1	NA	%	NA	1								
2000 E1	EJN00-16	E0000986	AMCO BG51 6/20	06/20/00	Tissue	Triplicate	American Coot	Background	7782-49-2	ICP, Hydride	Selenium	0.51	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-09-2000	0809SEMW	8/1/2000	8/9/2000	11:09
2000 E1	EJN00-16	E0000986-2	AMCO BG51 6/20	06/20/00	Tissue	Triplicate	American Coot	Background	7440-43-9	ICP - AES	Cadmium	0.009	0.03	MDL	ug/g	Wet Wt	1				ICP_9-12-00	0912CDMW	9/12/2000	9/12/2000	13:45
2000 E1	EJN00-16	E0000986-2	AMCO BG51 6/20	06/20/00	Tissue	Triplicate	American Coot	Background	NA	Gravimetric	Moisture Content	72	1	NA	%	NA	1								
2000 E1	EJN00-16	E0000986-2	AMCO BG51 6/20	06/20/00	Tissue	Triplicate	American Coot	Background	7782-49-2	ICP, Hydride	Selenium	0.51	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-09-2000	0809SEMW	8/1/2000	8/9/2000	11:12
2000 E1	EJN00-16	E0000986-3	AMCO BG51 6/20	06/20/00	Tissue	Triplicate	American Coot	Background	7440-43-9	ICP - AES	Cadmium	0.003	0.03	MDL	ug/g	Wet Wt	1				ICP_9-12-00	0912CDMW	9/12/2000	9/12/2000	13:48
2000 E1	EJN00-16	E0000986-3	AMCO BG51 6/20	06/20/00	Tissue	Triplicate	American Coot	Background	NA	Gravimetric	Moisture Content	71	1	NA	%	NA	1								
2000 E1	EJN00-16	E0000986-3	AMCO BG51 6/20	06/20/00	Tissue	Triplicate	American Coot	Background	7782-49-2	ICP, Hydride	Selenium	0.47	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-09-2000	0809SEMW	8/1/2000	8/9/2000	11:14
2000 E1	EJN00-16	E0000986MS	AMCO BG51 6/20	06/20/00	Tissue	MS	American Coot	NA	7440-43-9	ICP - AES	Cadmium	120	NA	NA	%				120		ICP_9-12-00	0912CDMW	9/12/2000	9/12/2000	13:50
2000 E1	EJN00-16	E0000986MS	AMCO BG51 6/20	06/20/00	Tissue	MS	American Coot	NA	7782-49-2	ICP, Hydride	Selenium	102	NA	NA	%				102		VGICP_8-09-2000	0809SEMW	8/1/2000	8/9/2000	11:17
2000 E1	EJN00-16	E0000987	YHBL BP60 6/20	06/20/00	Tissue	Primary	llow Headed Blackbi	Background	7440-43-9	ICP - AES	Cadmium	0.02	0.05	MDL	ug/g	Wet Wt	1				ICP_9-12-00	0912CDMW	9/12/2000	9/12/2000	13:52
2000 E1	EJN00-16	E0000987	YHBL BP60 6/20	06/20/00	Tissue	Primary	llow Headed Blackbi	Background	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2000 E1	EJN00-16	E0000987	YHBL BP60 6/20	06/20/00	Tissue	Primary	llow Headed Blackbi	Background	7782-49-2	ICP, Hydride	Selenium	0.64	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-09-2000	0809SEMW	8/1/2000	8/9/2000	11:20
2000 E1	EJN00-16	E0000988	YEWA MH79 6/21	06/21/00	Tissue	Primary	Yellow Warbler	Regional	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-16	E0000988	YEWA MH79 6/21	06/21/00	Tissue	Primary	Yellow Warbler	Regional	NA	Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
2000 E1	EJN00-16	E0000988	YEWA MH79 6/21	06/21/00	Tissue	Primary	Yellow Warbler	Regional	7782-49-2	ICP, Hydride	Selenium	0.75	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-09-2000	0809SEMW	8/1/2000	8/9/2000	11:26
2000 E1	EJN00-16	E0000989	CLSW MH76 6/20	06/20/00	Tissue	Primary	Cliff Swallow	Background	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-16	E0000989	CLSW MH76 6/20	06/20/00	Tissue	Primary	Cliff Swallow	Background	NA	Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
2000 E1	EJN00-16	E0000989	CLSW MH76 6/20	06/20/00	Tissue	Primary	Cliff Swallow	Background	7782-49-2	ICP, Hydride	Selenium	0.6	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-09-2000	0809SEMW	8/1/2000	8/9/2000	11:29
2000 E1	EJN00-16	E0000990	CLSW MH75 6/20	06/20/00	Tissue	Primary	Cliff Swallow	Background	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-16	E0000990	CLSW MH75 6/20	06/20/00	Tissue	Primary	Cliff Swallow	Background	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2000 E1	EJN00-16	E0000990	CLSW MH75 6/20	06/20/00	Tissue	Primary	Cliff Swallow	Background	7782-49-2	ICP, Hydride	Selenium	0.37	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-09-2000	0809SEMW	8/1/2000	8/9/2000	11:32
2000 E1	EJN00-16	E0000990B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	0	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-09-2000	0809SEMW	8/1/2000	8/9/2000	11:35
2000 E1	EJN00-16	E0000990BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0507	0.01	MDL	ug/g	Wet Wt	1	0.050	101		VGICP_8-09-2000	0809SEMW	8/1/2000	8/9/2000	11:40
2000 E1	EJN00-16	E0000990CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0511	0.01	MDL	ug/g	Wet Wt	1	0.050	102		VGICP_8-09-2000	0809SEMW	8/1/2000	8/9/2000	11:37
2000 E1	EJN00-16	E0000990SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.402	0.01	MDL	ug/g	Wet Wt	1	0.446	90		VGICP_8-09-2000	0809SEMW	8/1/2000	8/9/2000	11:43
2000 E1	EJN00-16	E0000991	YHBL BP61 6/20	06/20/00	Tissue	Primary	llow Headed Blackbi	Background	7440-43-9	ICP - AES	Cadmium	0.003	0.025	MDL	ug/g	Wet Wt	1				ICP_9-12-00	0912CDMW	9/12/2000	9/12/2000	13:55
2000 E1	EJN00-16	E0000991	YHBL BP61 6/20	06/20/00	Tissue	Primary	llow Headed Blackbi	Background	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2000 E1	EJN00-16	E0000991	YHBL BP61 6/20	06/20/00	Tissue	Primary	llow Headed Blackbi	Background	7782-49-2	ICP, Hydride	Selenium	0.49	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-09-2000	0809SEMW	8/1/2000	8/9/2000	11:46
2000 E1	EJN00-16	E0000992	CLSW BP63 6/20	06/20/00	Tissue	Primary	Cliff Swallow	Background	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-16	E0000992	CLSW BP63 6/20	06/20/00	Tissue	Primary	Cliff Swallow	Background	NA	Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
2000 E1	EJN00-16	E0000992	CLSW BP63 6/20	06/20/00	Tissue	Primary	Cliff Swallow	Background	7782-49-2	ICP, Hydride	Selenium	0.44	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-09-2000	0809SEMW	8/1/2000	8/9/2000	11:49
2000 E1	EJN00-16	E0000993	YHBL DJ67 6/20	06/20/00	Tissue	Primary	llow Headed Blackbi	Background	7440-43-9	ICP - AES	Cadmium	0.007	0.03	MDL	ug/g	Wet Wt	1				ICP_9-12-00	0912CDMW	9/12/2000	9/12/2000	13:57
2000 E1	EJN00-16	E0000993	YHBL DJ67 6/20	06/20/00	Tissue	Primary	llow Headed Blackbi	Background	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2000 E1	EJN00-16	E0000993	YHBL DJ67 6/20	06/20/00	Tissue	Primary	llow Headed Blackbi	Background	7782-49-2	ICP, Hydride	Selenium	0.65	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-09-2000	0809SEMW	8/1/2000	8/9/2000	11:52
2000 E1	EJN00-16	E0000994	YHBL DJ68 6/20	06/20/00	Tissue	Primary	llow Headed Blackbi	Background	7440-43-9	ICP - AES	Cadmium	0	0.042	MDL	ug/g	Wet Wt	1				ICP_9-12-00	0912CDMW	9/12/2000	9/12/2000	13:59
2000 E1	EJN00-16	E0000994	YHBL DJ68 6/20	06/20/00	Tissue	Primary	llow Headed Blackbi	Background	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2000 E1	EJN00-16	E0000994	YHBL DJ68 6/20	06/20/00	Tissue	Primary	llow Headed Blackbi	Background	7782-49-2	ICP, Hydride	Selenium	0.54	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-09-2000	0809SEMW	8/1/2000	8/9/2000	11:55
2000 E1	EJN00-16	E0000995	EAGR DJ66 6/20	06/20/00	Tissue	Primary	Eared Grebe	Background	7440-43-9	ICP - AES	Cadmium	0.013	0.025	MDL	ug/g	Wet Wt	1				ICP_9-12-00	0912CDMW	9/12/2000	9/12/2000	14:02
2000 E1	EJN00-16	E0000995	EAGR DJ66 6/20	06/20/00	Tissue	Primary	Eared Grebe	Background	NA	Gravimetric	Moisture Content	76	1	NA	%	NA	1								
2000 E1	EJN00-16	E0000995	EAGR DJ66 6/20	06/20/00	Tissue	Primary	Eared Grebe	Background	7782-49-2	ICP, Hydride	Selenium	0.53	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-09-2000	0809SEMW	8/1/2000	8/9/2000	11:58
2000 E1	EJN00-16	E0000995D	EAGR DJ66 6/20	06/20/00	Tissue	Lab Dupl	Eared Grebe	Background	7782-49-2	ICP, Hydride	Selenium	0.52	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-09-2000	0809SEMW	8/1/2000	8/9/2000	12:00
2000 E1	EJN00-16	E0000996	EAGR BG52 6/20	06/20/00	Tissue	Primary	Eared Grebe	Background	7440-43-9	ICP - AES	Cadmium	0.008	0.025	MDL	ug/g	Wet Wt	1				ICP_9-12-00	0912CDMW	9/12/2000	9/12/2000	14:04
2000 E1	EJN00-16	E0000996	EAGR BG52 6/20	06/20/00	Tissue	Primary	Eared Grebe	Background	NA	Gravimetric	Moisture Content	76	1	NA	%	NA	1								
2000 E1	EJN00-16	E0000996	EAGR BG52 6/20	06/20/00	Tissue	Primary	Eared Grebe	Background	7782-49-2	ICP, Hydride	Selenium	0.48	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-09-2000	0809SEMW	8/1/2000	8/9/2000	12:03
2000 E1	EJN00-16	E0000996B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	0.000	0.025	MDL	ug/g	Wet Wt	1				ICP_9-12-00	0912CDMW	9/12/2000	9/12/2000	14:13
2000 E1	EJN00-16	E0000996BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7440-43-9	ICP - AES	Cadmium	0.081	0.025	MDL	ug/g	Wet Wt	1	0.080	101		ICP_9-12-00	0912CDMW	9/12/2000	9/12/2000	14:09
2000 E1	EJN00-16	E0000996CS	Check Standard	NA	Lab QC	CCV	NA	NA	7440-43-9	ICP - AES	Cadmium	0.107	0.025	MDL	ug/g	Wet Wt	1	0.100	107		ICP_9-12-00	0912CDMW	9/12/2000	9/12/2000	14:11
2000 E1	EJN00-16	E0000996D	EAGR BG52 6/20	06/20/00	Tissue	Lab Dupl	Eared Grebe	Background	NA	Gravimetric	Moisture Content	77	1	NA	%	NA	1								
2000 E1	EJN00-16	E0000996D	EAGR BG52 6/20	06/20/00	Tissue	Lab Dupl	Eared Grebe	Background	7782-49-2	ICP, Hydride	Selenium	0.48	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-09-2000	0809SEMW	8/1/2000	8/9/2000	12:06
2000 E1	EJN00-16	E0000996SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	57.700	0.025	MDL	ug/g	Wet Wt	1	54.3	106		ICP_9-12-00	0912CDMW	9/12/2000	9/12/2000	14:06
2000 E1	EJN00-16	E0000997	MAWR DJ73 6/22	06/22/00	Tissue	Primary	Marsh Wren	Background	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-16	E0000997	MAWR DJ73 6/22	06/22/00	Tissue	Primary	Marsh Wren	Background	NA	Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
2000 E1	EJN00-16	E0000997	MAWR DJ73 6/22	06/22/00	Tissue	Primary	Marsh Wren	Background	7782-49-2	ICP, Hydride	Selenium	0.97	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-09-2000	0809SEMW	8/1/2000	8/9/2000	12:09
2000 E1	EJN00-16	E0000997B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	0	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-09-2000	0809SEMW	8/1/2000	8/9/2000	12:12
2000 E1	EJN00-16	E0000997BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0518	0.01	MDL	ug/g	Wet Wt	1	0.050	104		VGICP_8-09-2000	0809SEMW	8/1/2000	8/9/2000	12:17
2000 E1	EJN00-16	E0000997CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0512	0.01	MDL	ug/g	Wet Wt	1	0.050	102		VGICP_8-09-2000	0809SEMW	8/1/2000	8/9/2000	12:15
2000 E1	EJN00-16	E0000997SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.384	0.01	MDL	ug/g	Wet Wt	1	0.446	86		VGICP_8-09-2000	0809SEMW	8/1/2000	8/9/2000	12:20
2000 E1	EJN00-16	E0000998	FRGU BG54 6/22	06/22/00	Tissue	Triplicate	Franklin's Gull	Background	7440-43-9	ICP - AES	Cadmium	0.037	0.025	MDL	ug/g	Wet Wt	1				ICP_9-13-00B	0913CDMWB	9/13/2000	9/13/2000	15:48
2000 E1	EJN00-16	E0000998	FRGU BG54 6/22	06/22/00	Tissue	Triplicate	Franklin's Gull	Background	NA	Gravimetric	Moisture Content	68	1	NA	%	NA	1								

Event	UIASL Case #	UIASL Sample ID	Field Sample ID	Collection Date	Matrix	QC Type	Common Name	Spatial Relevance	CAS #	Method	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% Rec	QC Flag	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
2000 E1	EJN00-16	E0000998	FRGU BG54 6/22	06/22/00	Tissue	Triplicate	Franklin's Gull	Background	7782-49-2	ICP, Hydride	Selenium	0.94	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-10-2000	0810SEM1	8/2/2000	8/10/2000	8:26
2000 E1	EJN00-16	E0000998-2	FRGU BG54 6/22	06/22/00	Tissue	Triplicate	Franklin's Gull	Background	7440-43-9	ICP - AES	Cadmium	0.055	0.05	MDL	ug/g	Wet Wt	1				ICP_9-13-00B	0913CDMWB	9/13/2000	9/13/2000	15:50
2000 E1	EJN00-16	E0000998-2	FRGU BG54 6/22	06/22/00	Tissue	Triplicate	Franklin's Gull	Background	NA	Gravimetric	Moisture Content	67	1	NA	%	NA	1								
2000 E1	EJN00-16	E0000998-2	FRGU BG54 6/22	06/22/00	Tissue	Triplicate	Franklin's Gull	Background	7782-49-2	ICP, Hydride	Selenium	0.94	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-10-2000	0810SEM1	8/2/2000	8/10/2000	8:29
2000 E1	EJN00-16	E0000998-3	FRGU BG54 6/22	06/22/00	Tissue	Triplicate	Franklin's Gull	Background	7440-43-9	ICP - AES	Cadmium	0.029	0.1	MDL	ug/g	Wet Wt	1				ICP_9-13-00B	0913CDMWB	9/13/2000	9/13/2000	15:52
2000 E1	EJN00-16	E0000998-3	FRGU BG54 6/22	06/22/00	Tissue	Triplicate	Franklin's Gull	Background	NA	Gravimetric	Moisture Content	68	1	NA	%	NA	1								
2000 E1	EJN00-16	E0000998-3	FRGU BG54 6/22	06/22/00	Tissue	Triplicate	Franklin's Gull	Background	7782-49-2	ICP, Hydride	Selenium	0.97	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-10-2000	0810SEM1	8/2/2000	8/10/2000	8:32
2000 E1	EJN00-16	E0000998B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	0.001	0.025	MDL	ug/g	Wet Wt	1				ICP_9-13-00B	0913CDMWB	9/13/2000	9/13/2000	15:38
2000 E1	EJN00-16	E0000998BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7440-43-9	ICP - AES	Cadmium	0.077	0.025	MDL	ug/g	Wet Wt	1	0.080	96		ICP_9-13-00B	0913CDMWB	9/13/2000	9/13/2000	15:43
2000 E1	EJN00-16	E0000998CS	Check Standard	NA	Lab QC	CCV	NA	NA	7440-43-9	ICP - AES	Cadmium	0.100	0.025	MDL	ug/g	Wet Wt	1	0.100	100		ICP_9-13-00B	0913CDMWB	9/13/2000	9/13/2000	15:41
2000 E1	EJN00-16	E0000998MS	FRGU BG54 6/22	06/22/00	Tissue	MS	Franklin's Gull	NA	7440-43-9	ICP - AES	Cadmium	105	NA	NA	%				105		ICP_9-13-00B	0913CDMWB	9/13/2000	9/13/2000	15:55
2000 E1	EJN00-16	E0000998MS	FRGU BG54 6/22	06/22/00	Tissue	MS	Franklin's Gull	NA	7782-49-2	ICP, Hydride	Selenium	109	NA	NA	%				109		VGICP_8-10-2000	0810SEM1	8/2/2000	8/10/2000	8:35
2000 E1	EJN00-16	E0000998SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	53.200	0.025	MDL	ug/g	Wet Wt	1	54.3	98		ICP_9-13-00B	0913CDMWB	9/13/2000	9/13/2000	15:45
2000 E1	EJN00-16	E0000998SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.393	0.01	MDL	ug/g	Wet Wt	1	0.446	88		VGICP_8-10-2000	0810SEM1	8/2/2000	8/10/2000	8:24
2000 E1	EJN00-16	E0000999	FRGU BG53 6/22	06/22/00	Tissue	Triplicate	Franklin's Gull	Background	7440-43-9	ICP - AES	Cadmium	0.017	0.025	MDL	ug/g	Wet Wt	1				ICP_9-13-00B	0913CDMWB	9/13/2000	9/13/2000	15:57
2000 E1	EJN00-16	E0000999	FRGU BG53 6/22	06/22/00	Tissue	Triplicate	Franklin's Gull	Background	NA	Gravimetric	Moisture Content	77	1	NA	%	NA	1								
2000 E1	EJN00-16	E0000999	FRGU BG53 6/22	06/22/00	Tissue	Triplicate	Franklin's Gull	Background	7782-49-2	ICP, Hydride	Selenium	1	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-10-2000	0810SEM1	8/2/2000	8/10/2000	8:38
2000 E1	EJN00-16	E0000999-2	FRGU BG53 6/22	06/22/00	Tissue	Triplicate	Franklin's Gull	Background	7440-43-9	ICP - AES	Cadmium	0.011	0.025	MDL	ug/g	Wet Wt	1				ICP_9-13-00B	0913CDMWB	9/13/2000	9/13/2000	15:59
2000 E1	EJN00-16	E0000999-2	FRGU BG53 6/22	06/22/00	Tissue	Triplicate	Franklin's Gull	Background	NA	Gravimetric	Moisture Content	78	1	NA	%	NA	1								
2000 E1	EJN00-16	E0000999-2	FRGU BG53 6/22	06/22/00	Tissue	Triplicate	Franklin's Gull	Background	7782-49-2	ICP, Hydride	Selenium	0.93	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-10-2000	0810SEM1	8/2/2000	8/10/2000	8:41
2000 E1	EJN00-16	E0000999-3	FRGU BG53 6/22	06/22/00	Tissue	Triplicate	Franklin's Gull	Background	7440-43-9	ICP - AES	Cadmium	0.032	0.025	MDL	ug/g	Wet Wt	1				ICP_9-13-00B	0913CDMWB	9/13/2000	9/13/2000	16:02
2000 E1	EJN00-16	E0000999-3	FRGU BG53 6/22	06/22/00	Tissue	Triplicate	Franklin's Gull	Background	NA	Gravimetric	Moisture Content	76	1	NA	%	NA	1								
2000 E1	EJN00-16	E0000999-3	FRGU BG53 6/22	06/22/00	Tissue	Triplicate	Franklin's Gull	Background	7782-49-2	ICP, Hydride	Selenium	0.99	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-10-2000	0810SEM1	8/2/2000	8/10/2000	8:44
2000 E1	EJN00-16	E0000999MS	FRGU BG53 6/22	06/22/00	Tissue	MS	Franklin's Gull	NA	7440-43-9	ICP - AES	Cadmium	100	NA	NA	%				100		ICP_9-13-00B	0913CDMWB	9/13/2000	9/13/2000	16:04
2000 E1	EJN00-16	E0000999MS	FRGU BG53 6/22	06/22/00	Tissue	MS	Franklin's Gull	NA	7782-49-2	ICP, Hydride	Selenium	110	NA	NA	%				110		VGICP_8-10-2000	0810SEM1	8/2/2000	8/10/2000	8:47
2000 E1	EJN00-16	E0001000	BARS MH80 6/22	06/22/00	Tissue	Primary	Barn Swallow	Background	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-16	E0001000	BARS MH80 6/22	06/22/00	Tissue	Primary	Barn Swallow	Background	NA	Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
2000 E1	EJN00-16	E0001000	BARS MH80 6/22	06/22/00	Tissue	Primary	Barn Swallow	Background	7782-49-2	ICP, Hydride	Selenium	0.52	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-10-2000	0810SEM1	8/2/2000	8/10/2000	8:49
2000 E1	EJN00-16	E0001000B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	0	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-10-2000	0810SEM1	8/2/2000	8/10/2000	8:52
2000 E1	EJN00-16	E0001000BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0507	0.01	MDL	ug/g	Wet Wt	1	0.050	101		VGICP_8-10-2000	0810SEM1	8/2/2000	8/10/2000	8:58
2000 E1	EJN00-16	E0001000CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0519	0.01	MDL	ug/g	Wet Wt	1	0.050	104		VGICP_8-10-2000	0810SEM1	8/2/2000	8/10/2000	8:55
2000 E1	EJN00-16	E0001000SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.432	0.01	MDL	ug/g	Wet Wt	1	0.446	97		VGICP_8-10-2000	0810SEM1	8/2/2000	8/10/2000	9:01
2000 E1	EJN00-18	E0001009	BHCO BP70 6/25	06/25/00	Tissue	Primary	rown-Headed Cowbi	Regional	7440-43-9	ICP - AES	Cadmium	0.014	0.1	MDL	ug/g	Wet Wt	1				ICP_9-13-00B	0913CDMWB	9/13/2000	9/13/2000	16:06
2000 E1	EJN00-18	E0001009	BHCO BP70 6/25	06/25/00	Tissue	Primary	rown-Headed Cowbi	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2000 E1	EJN00-18	E0001009	BHCO BP70 6/25	06/25/00	Tissue	Primary	rown-Headed Cowbi	Regional	7782-49-2	ICP, Hydride	Selenium	0.43	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-10-2000	0810SEM1	8/2/2000	8/10/2000	9:04
2000 E1	EJN00-18	E0001010	YEWA MH85 6/25	06/25/00	Tissue	Primary	Yellow Warbler	Regional	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-18	E0001010	YEWA MH85 6/25	06/25/00	Tissue	Primary	Yellow Warbler	Regional	NA	Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
2000 E1	EJN00-18	E0001010	YEWA MH85 6/25	06/25/00	Tissue	Primary	Yellow Warbler	Regional	7782-49-2	ICP, Hydride	Selenium	0.64	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-10-2000	0810SEM1	8/2/2000	8/10/2000	9:06
2000 E1	EJN00-18	E0001011	AMRO BP69 6/25	06/25/00	Tissue	Primary	American Robin	Regional	7440-43-9	ICP - AES	Cadmium	0.066	0.1	MDL	ug/g	Wet Wt	1				ICP_9-13-00B	0913CDMWB	9/13/2000	9/13/2000	16:09
2000 E1	EJN00-18	E0001011	AMRO BP69 6/25	06/25/00	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2000 E1	EJN00-18	E0001011	AMRO BP69 6/25	06/25/00	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.43	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-10-2000	0810SEM1	8/2/2000	8/10/2000	9:09
2000 E1	EJN00-18	E0001011D	AMRO BP69 6/25	06/25/00	Tissue	Lab Dupl	American Robin	Regional	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2000 E1	EJN00-18	E0001011D	AMRO BP69 6/25	06/25/00	Tissue	Lab Dupl	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.42	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-10-2000	0810SEM1	8/2/2000	8/10/2000	9:12
2000 E1	EJN00-18	E0001012	RWBL HR166-1 6/25	06/25/00	Tissue	Primary	Red-Winged Blackbir	Background	7440-43-9	ICP - AES	Cadmium	0.067	0.05	MDL	ug/g	Wet Wt	1				ICP_9-13-00B	0913CDMWB	9/13/2000	9/13/2000	16:11
2000 E1	EJN00-18	E0001012	RWBL HR166-1 6/25	06/25/00	Tissue	Primary	Red-Winged Blackbir	Background	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2000 E1	EJN00-18	E0001012	RWBL HR166-1 6/25	06/25/00	Tissue	Primary	Red-Winged Blackbir	Background	7782-49-2	ICP, Hydride	Selenium	0.75	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-10-2000	0810SEM1	8/2/2000	8/10/2000	9:15
2000 E1	EJN00-18	E0001013	RWBL HR166-2 6/25	06/25/00	Tissue	Primary	Red-Winged Blackbir	Background	7440-43-9	ICP - AES	Cadmium	0.025	0.05	MDL	ug/g	Wet Wt	1				ICP_9-13-00B	0913CDMWB	9/13/2000	9/13/2000	16:13
2000 E1	EJN00-18	E0001013	RWBL HR166-2 6/25	06/25/00	Tissue	Primary	Red-Winged Blackbir	Background	NA	Gravimetric	Moisture Content	65	1	NA	%	NA	1								
2000 E1	EJN00-18	E0001013	RWBL HR166-2 6/25	06/25/00	Tissue	Primary	Red-Winged Blackbir	Background	7782-49-2	ICP, Hydride	Selenium	0.82	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-10-2000	0810SEM1	8/2/2000	8/10/2000	9:18
2000 E1	EJN00-18	E0001014	RWBL HR166-3 6/25	06/25/00	Tissue	Primary	Red-Winged Blackbir	Background	7440-43-9	ICP - AES	Cadmium	0.026	0.05	MDL	ug/g	Wet Wt	1				ICP_9-13-00B	0913CDMWB	9/13/2000	9/13/2000	16:16
2000 E1	EJN00-18	E0001014	RWBL HR166-3 6/25	06/25/00	Tissue	Primary	Red-Winged Blackbir	Background	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2000 E1	EJN00-18	E0001014	RWBL HR166-3 6/25	06/25/00	Tissue	Primary	Red-Winged Blackbir	Background	7782-49-2	ICP, Hydride	Selenium	0.74	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-10-2000	0810SEM1	8/2/2000	8/10/2000	9:21
2000 E1	EJN00-16	E0001014B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	0.000	0.025	MDL	ug/g	Wet Wt	1				ICP_9-13-00B	0913CDMWB	9/13/2000	9/13/2000	16:20
2000 E1	EJN00-16	E0001014B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	0.002	0.025	MDL	ug/g	Wet Wt	1				ICP_9-13-00B	0913CDMWB	9/13/2000	9/13/2000	17:05
2000 E1	EJN00-16	E0001014BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7440-43-9	ICP - AES	Cadmium	0.083	0.025	MDL	ug/g	Wet Wt	1	0.080	104		ICP_9-13-00B	0913CDMWB	9/13/2000	9/13/2000	16:23
2000 E1	EJN00-16	E0001014BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7440-43-9	ICP - AES	Cadmium	0.08	0.025	MDL	ug/g	Wet Wt	1	0.080	100		ICP_9-13-00B	0913CDMWB	9/13/2000	9/13/2000	17:00
2000 E1	EJN00-16	E0001014CS	Check Standard	NA	Lab QC	CCV	NA	NA	7440-43-9	ICP - AES	Cadmium	0.101	0.025	MDL	ug/g	Wet Wt	1	0.100	101		ICP_9-13-00B	0913CDMWB	9/13/2000	9/13/2000	16:18
2000 E1	EJN00-16	E0001014CS	Check Standard	NA	Lab QC	CCV	NA	NA	7440-43-9	ICP - AES	Cadmium	0.101	0.025	MDL	ug/g	Wet Wt	1	0.100	101		ICP_9-13-00B	0913CDMWB	9/13/2000	9/13/2000	17:02
2000 E1	EJN00-16	E0001014SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	55.500	0.025	MDL	ug/g	Wet Wt	1	54.3	102		ICP_9-13-00B	0913CDMWB	9/13/2000	9/13/2000	16:25
2000 E1	EJN00-16	E0001014SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	55.000	0.025	MDL	ug/g	Wet Wt	1	54.3	101		ICP_9-13-00B	0913CDMWB	9/13/2000	9/13/2000	16:58
2000 E1	EJN00-18	E0001015	YEWA MH84 6/25	06/25/00	Tissue	Primary	Yellow Warbler	Regional	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-18	E0001015	YEWA MH84 6/25	06/25/00	Tissue	Primary	Yellow Warbler	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2000 E1	EJN00-18	E0001015	YEWA MH84 6/25	06/25/00	Tissue	Primary	Yellow Warbler	Regional	7782-49-2	ICP, Hydride	Selenium	0.76	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-10-2000	0810SEM1	8/2/2000	8/10/2000	9:24
2000 E1	EJN00-18	E0001016	KILL MH81 6/24	06/24/00	Tissue	Primary	Killdeer	Regional	7440-43-9	ICP - AES	Cadmium	0.014	0.05	MDL	ug/g	Wet Wt	1				ICP_9-13-00B	0913CDMWB	9/13/2000	9/13/2000	16:27
2000 E1	EJN00-18	E0001016	KILL MH81 6/24	06/24/00	Tissue	Primary	Killdeer	Regional	NA	Gravimetric	Moisture Content	66	1	NA	%	NA	1								

Event	UIASL Case #	UIASL Sample ID	Field Sample ID	Collection Date	Matrix	QC Type	Common Name	Spatial Relevance	CAS #	Method	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% Rec	QC Flag	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
2000 E1	EJN00-18	E0001016	KILL MH81 6/24	06/24/00	Tissue	Primary	Killdeer	Regional	7782-49-2	ICP, Hydride	Selenium	0.77	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-10-2000	0810SEM1	8/2/2000	8/10/2000	9:27
2000 E1	EJN00-18	E0001016D	KILL MH81 6/24	06/24/00	Tissue	Lab Dupl	Killdeer	Regional	7440-43-9	ICP - AES	Cadmium	0.048	0.05	MDL	ug/g	Wet Wt	1				ICP_9-13-00B	0913CDMWB	9/13/2000	9/13/2000	16:30
2000 E1	EJN00-18	E0001016D	KILL MH81 6/24	06/24/00	Tissue	Lab Dupl	Killdeer	Regional	7782-49-2	ICP, Hydride	Selenium	0.77	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-10-2000	0810SEM1	8/2/2000	8/10/2000	9:29
2000 E1	EJN00-18	E0001017	RWBL DJ74-1 6/23	06/23/00	Tissue	Primary	Red-Winged Blackbir	Regional	7440-43-9	ICP - AES	Cadmium	0.019	0.05	MDL	ug/g	Wet Wt	1				ICP_9-13-00B	0913CDMWB	9/13/2000	9/13/2000	16:32
2000 E1	EJN00-18	E0001017	RWBL DJ74-1 6/23	06/23/00	Tissue	Primary	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2000 E1	EJN00-18	E0001017	RWBL DJ74-1 6/23	06/23/00	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	1.4	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-10-2000	0810SEM1	8/2/2000	8/10/2000	9:38
2000 E1	EJN00-18	E0001017B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	0	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-10-2000	0810SEM1	8/2/2000	8/10/2000	9:41
2000 E1	EJN00-18	E0001017BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.051	0.01	MDL	ug/g	Wet Wt	1	0.050	102		VGICP_8-10-2000	0810SEM1	8/2/2000	8/10/2000	9:47
2000 E1	EJN00-18	E0001017CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0519	0.01	MDL	ug/g	Wet Wt	1	0.050	104		VGICP_8-10-2000	0810SEM1	8/2/2000	8/10/2000	9:44
2000 E1	EJN00-18	E0001017SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.394	0.01	MDL	ug/g	Wet Wt	1	0.446	88		VGICP_8-10-2000	0810SEM1	8/2/2000	8/10/2000	9:49
2000 E1	EJN00-18	E0001018	RWBL DJ74-2 6/23	06/23/00	Tissue	Primary	Red-Winged Blackbir	Regional	7440-43-9	ICP - AES	Cadmium	0.005	0.042	MDL	ug/g	Wet Wt	1				ICP_9-13-00B	0913CDMWB	9/13/2000	9/13/2000	16:34
2000 E1	EJN00-18	E0001018	RWBL DJ74-2 6/23	06/23/00	Tissue	Primary	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2000 E1	EJN00-18	E0001018	RWBL DJ74-2 6/23	06/23/00	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	1.6	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-09-2000	0810SEMW	8/2/2000	8/9/2000	13:09
2000 E1	EJN00-18	E0001018SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.411	0.01	MDL	ug/g	Wet Wt	1	0.446	92		VGICP_8-09-2000	0810SEMW	8/2/2000	8/9/2000	13:06
2000 E1	EJN00-18	E0001019	RWBL DJ74-3 6/23	06/23/00	Tissue	Primary	Red-Winged Blackbir	Regional	7440-43-9	ICP - AES	Cadmium	0.032	0.042	MDL	ug/g	Wet Wt	1				ICP_9-13-00B	0913CDMWB	9/13/2000	9/13/2000	16:37
2000 E1	EJN00-18	E0001019	RWBL DJ74-3 6/23	06/23/00	Tissue	Primary	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2000 E1	EJN00-18	E0001019	RWBL DJ74-3 6/23	06/23/00	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	1.4	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-09-2000	0810SEMW	8/2/2000	8/9/2000	13:12
2000 E1	EJN00-18	E0001020	RWBL DJ74-4 6/23	06/23/00	Tissue	Primary	Red-Winged Blackbir	Regional	7440-43-9	ICP - AES	Cadmium	-0.029	0.042	MDL	ug/g	Wet Wt	1				ICP_9-13-00B	0913CDMWB	9/13/2000	9/13/2000	16:39
2000 E1	EJN00-18	E0001020	RWBL DJ74-4 6/23	06/23/00	Tissue	Primary	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2000 E1	EJN00-18	E0001020	RWBL DJ74-4 6/23	06/23/00	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	1.9	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-09-2000	0810SEMW	8/2/2000	8/9/2000	13:15
2000 E1	EJN00-18	E0001021	MAWR BG56 6/23	06/23/00	Tissue	Primary	Marsh Wren	Regional	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-18	E0001021	MAWR BG56 6/23	06/23/00	Tissue	Primary	Marsh Wren	Regional	NA	Gravimetric	Moisture Content	80	1	NA	%	NA	1								
2000 E1	EJN00-18	E0001021	MAWR BG56 6/23	06/23/00	Tissue	Primary	Marsh Wren	Regional	7782-49-2	ICP, Hydride	Selenium	3	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-09-2000	0810SEMW	8/2/2000	8/9/2000	13:18
2000 E1	EJN00-18	E0001022	MAWR BG55 6/22	06/22/00	Tissue	Primary	Marsh Wren	Background	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-18	E0001022	MAWR BG55 6/22	06/22/00	Tissue	Primary	Marsh Wren	Background	NA	Gravimetric	Moisture Content	78	1	NA	%	NA	1								
2000 E1	EJN00-18	E0001022	MAWR BG55 6/22	06/22/00	Tissue	Primary	Marsh Wren	Background	7782-49-2	ICP, Hydride	Selenium	1.3	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-09-2000	0810SEMW	8/2/2000	8/9/2000	13:21
2000 E1	EJN00-18	E0001023	RWBL HR145 6/21	06/21/00	Tissue	Primary	Red-Winged Blackbir	Regional	7440-43-9	ICP - AES	Cadmium	0.024	0.042	MDL	ug/g	Wet Wt	1				ICP_9-13-00B	0913CDMWB	9/13/2000	9/13/2000	16:42
2000 E1	EJN00-18	E0001023	RWBL HR145 6/21	06/21/00	Tissue	Primary	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2000 E1	EJN00-18	E0001023	RWBL HR145 6/21	06/21/00	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.73	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-09-2000	0810SEMW	8/2/2000	8/9/2000	13:24
2000 E1	EJN00-18	E0001024	HOWR BP65 6/22	06/22/00	Tissue	Primary	House Wren	Background	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-18	E0001024	HOWR BP65 6/22	06/22/00	Tissue	Primary	House Wren	Background	NA	Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
2000 E1	EJN00-18	E0001024	HOWR BP65 6/22	06/22/00	Tissue	Primary	House Wren	Background	7782-49-2	ICP, Hydride	Selenium	0.66	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-09-2000	0810SEMW	8/2/2000	8/9/2000	13:27
2000 E1	EJN00-18	E0001025	COSN BG65 6/26	06/26/00	Tissue	Primary	Common Snipe	Background	7440-43-9	ICP - AES	Cadmium	0.019	0.03	MDL	ug/g	Wet Wt	1				ICP_9-13-00B	0913CDMWB	9/13/2000	9/13/2000	16:44
2000 E1	EJN00-18	E0001025	COSN BG65 6/26	06/26/00	Tissue	Primary	Common Snipe	Background	NA	Gravimetric	Moisture Content	72	1	NA	%	NA	1								
2000 E1	EJN00-18	E0001025	COSN BG65 6/26	06/26/00	Tissue	Primary	Common Snipe	Background	7782-49-2	ICP, Hydride	Selenium	0.47	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-09-2000	0810SEMW	8/2/2000	8/9/2000	13:29
2000 E1	EJN00-18	E0001025B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	0	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-09-2000	0810SEMW	8/2/2000	8/9/2000	13:35
2000 E1	EJN00-18	E0001025BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0513	0.01	MDL	ug/g	Wet Wt	1	0.050	103		VGICP_8-09-2000	0810SEMW	8/2/2000	8/9/2000	13:41
2000 E1	EJN00-18	E0001025CS	Check Standard	NA	Lab QC	CCV	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.302	0.01	MDL	ug/g	Wet Wt	1	0.300	101		VGICP_8-09-2000	0810SEMW	8/2/2000	8/9/2000	13:38
2000 E1	EJN00-18	E0001025D	COSN BG65 6/26	06/26/00	Tissue	Lab Dupl	Common Snipe	Background	7440-43-9	ICP - AES	Cadmium	0.017	0.03	MDL	ug/g	Wet Wt	1				ICP_9-13-00B	0913CDMWB	9/13/2000	9/13/2000	16:46
2000 E1	EJN00-18	E0001025D	COSN BG65 6/26	06/26/00	Tissue	Lab Dupl	Common Snipe	Background	NA	Gravimetric	Moisture Content	72	1	NA	%	NA	1								
2000 E1	EJN00-18	E0001025D	COSN BG65 6/26	06/26/00	Tissue	Lab Dupl	Common Snipe	Background	7782-49-2	ICP, Hydride	Selenium	0.45	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-09-2000	0810SEMW	8/2/2000	8/9/2000	13:32
2000 E1	EJN00-18	E0001025SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.403	0.01	MDL	ug/g	Wet Wt	1	0.446	90		VGICP_8-09-2000	0810SEMW	8/2/2000	8/9/2000	13:43
2000 E1	EJN00-18	E0001026	EAGR BG59 6/24	06/24/00	Tissue	Triplicate	Eared Grebe	Regional	7440-43-9	ICP - AES	Cadmium	0.044	0.05	MDL	ug/g	Wet Wt	1				ICP_9-13-00B	0913CDMWB	9/13/2000	9/13/2000	16:48
2000 E1	EJN00-18	E0001026	EAGR BG59 6/24	06/24/00	Tissue	Triplicate	Eared Grebe	Regional	NA	Gravimetric	Moisture Content	77	1	NA	%	NA	1								
2000 E1	EJN00-18	E0001026	EAGR BG59 6/24	06/24/00	Tissue	Triplicate	Eared Grebe	Regional	7782-49-2	ICP, Hydride	Selenium	0.71	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-09-2000	0810SEMW	8/2/2000	8/9/2000	13:46
2000 E1	EJN00-18	E0001026-2	EAGR BG59 6/24	06/24/00	Tissue	Triplicate	Eared Grebe	Regional	7440-43-9	ICP - AES	Cadmium	-0.006	0.025	MDL	ug/g	Wet Wt	1				ICP_9-13-00B	0913CDMWB	9/13/2000	9/13/2000	16:51
2000 E1	EJN00-18	E0001026-2	EAGR BG59 6/24	06/24/00	Tissue	Triplicate	Eared Grebe	Regional	NA	Gravimetric	Moisture Content	78	1	NA	%	NA	1								
2000 E1	EJN00-18	E0001026-2	EAGR BG59 6/24	06/24/00	Tissue	Triplicate	Eared Grebe	Regional	7782-49-2	ICP, Hydride	Selenium	0.72	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-09-2000	0810SEMW	8/2/2000	8/9/2000	13:49
2000 E1	EJN00-18	E0001026-3	EAGR BG59 6/24	06/24/00	Tissue	Triplicate	Eared Grebe	Regional	7440-43-9	ICP - AES	Cadmium	0.014	0.025	MDL	ug/g	Wet Wt	1				ICP_9-13-00B	0913CDMWB	9/13/2000	9/13/2000	16:53
2000 E1	EJN00-18	E0001026-3	EAGR BG59 6/24	06/24/00	Tissue	Triplicate	Eared Grebe	Regional	NA	Gravimetric	Moisture Content	77	1	NA	%	NA	1								
2000 E1	EJN00-18	E0001026-3	EAGR BG59 6/24	06/24/00	Tissue	Triplicate	Eared Grebe	Regional	7782-49-2	ICP, Hydride	Selenium	0.7	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-09-2000	0810SEMW	8/2/2000	8/9/2000	13:52
2000 E1	EJN00-18	E0001026MS	EAGR BG59 6/24	06/24/00	Tissue	MS	Eared Grebe	NA	7440-43-9	ICP - AES	Cadmium	102	NA	NA	%				102		ICP_9-13-00B	0913CDMWB	9/13/2000	9/13/2000	16:55
2000 E1	EJN00-18	E0001026MS	EAGR BG59 6/24	06/24/00	Tissue	MS	Eared Grebe	NA	7782-49-2	ICP, Hydride	Selenium	98	NA	NA	%				98		VGICP_8-09-2000	0810SEMW	8/2/2000	8/9/2000	13:55
2000 E1	EJN00-18	E0001027	BHCO BG63 6/26	06/26/00	Tissue	Primary	Brown-Headed Cowbi	Mine	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-18	E0001027	BHCO BG63 6/26	06/26/00	Tissue	Primary	Brown-Headed Cowbi	Mine	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2000 E1	EJN00-18	E0001027	BHCO BG63 6/26	06/26/00	Tissue	Primary	Brown-Headed Cowbi	Mine	7782-49-2	ICP, Hydride	Selenium	0.34	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-09-2000	0810SEMW	8/2/2000	8/9/2000	13:58
2000 E1	EJN00-18	E0001028	SOSP DJ77 6/26	06/26/00	Tissue	Primary	Song Sparrow	Background	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-18	E0001028	SOSP DJ77 6/26	06/26/00	Tissue	Primary	Song Sparrow	Background	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2000 E1	EJN00-18	E0001028	SOSP DJ77 6/26	06/26/00	Tissue	Primary	Song Sparrow	Background	7782-49-2	ICP, Hydride	Selenium	0.52	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-09-2000	0810SEMW	8/2/2000	8/9/2000	14:01
2000 E1	EJN00-18	E0001029	SOSP DJ78 6/26	06/26/00	Tissue	Primary	Song Sparrow	Background	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-18	E0001029	SOSP DJ78 6/26	06/26/00	Tissue	Primary	Song Sparrow	Background	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2000 E1	EJN00-18	E0001029	SOSP DJ78 6/26	06/26/00	Tissue	Primary	Song Sparrow	Background	7782-49-2	ICP, Hydride	Selenium	0.63	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-09-2000	0810SEMW	8/2/2000	8/9/2000	14:04
2000 E1	EJN00-18	E0001030	AMRO DJ81 6/26	06/26/00	Tissue	Primary	American Robin	Background	7440-43-9	ICP - AES	Cadmium	-0.003	0.1	MDL	ug/g	Wet Wt	1				ICP_9-13-00A	0913CDMW	9/13/2000	9/13/2000	13:26
2000 E1	EJN00-18	E0001030	AMRO DJ81 6/26	06/26/00	Tissue	Primary	American Robin	Background	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2000 E1	EJN00-18	E0001030	AMRO DJ81 6/26	06/26/00	Tissue	Primary	American Robin	Background	7782-49-2	ICP, Hydride	Selenium	0.37	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-09-2000	0810SEMW	8/2/2000	8/9/2000	14:07

Event	UIASL Case #	UIASL Sample ID	Field Sample ID	Collection Date	Matrix	QC Type	Common Name	Spatial Relevance	CAS #	Method	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% Rec	QC Flag	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
2000 E1	EJN00-16	E0001030B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	-0.002	0.025	MDL	ug/g	Wet Wt	1				ICP_9-13-00A	0913CDMW	9/13/2000	9/13/2000	13:17
2000 E1	EJN00-16	E0001030BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7440-43-9	ICP - AES	Cadmium	0.084	0.025	MDL	ug/g	Wet Wt	1	0.080	105		ICP_9-13-00A	0913CDMW	9/13/2000	9/13/2000	13:21
2000 E1	EJN00-16	E0001030CS	Check Standard	NA	Lab QC	CCV	NA	NA	7440-43-9	ICP - AES	Cadmium	0.103	0.025	MDL	ug/g	Wet Wt	1	0.100	103		ICP_9-13-00A	0913CDMW	9/13/2000	9/13/2000	13:19
2000 E1	EJN00-18	E0001030D	AMRO DJ81 6/26	06/26/00	Tissue	Lab Dupl	American Robin	Background	7782-49-2	ICP, Hydride	Selenium	0.38	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-09-2000	0810SEMW	8/2/2000	8/9/2000	14:10
2000 E1	EJN00-16	E0001030SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	60.100	0.025	MDL	ug/g	Wet Wt	1	54.3	111		ICP_9-13-00A	0913CDMW	9/13/2000	9/13/2000	13:24
2000 E1	EJN00-18	E0001031	YEWA DJ80 6/26	06/26/00	Tissue	Primary	Yellow Warbler	Background	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-18	E0001031	YEWA DJ80 6/26	06/26/00	Tissue	Primary	Yellow Warbler	Background	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2000 E1	EJN00-18	E0001031	YEWA DJ80 6/26	06/26/00	Tissue	Primary	Yellow Warbler	Background	7782-49-2	ICP, Hydride	Selenium	0.68	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-09-2000	0810SEMW	8/2/2000	8/9/2000	14:13
2000 E1	EJN00-18	E0001032	YEWA BG62 6/26	06/26/00	Tissue	Primary	Yellow Warbler	Background	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-18	E0001032	YEWA BG62 6/26	06/26/00	Tissue	Primary	Yellow Warbler	Background	NA	Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
2000 E1	EJN00-18	E0001032	YEWA BG62 6/26	06/26/00	Tissue	Primary	Yellow Warbler	Background	7782-49-2	ICP, Hydride	Selenium	0.66	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-09-2000	0810SEMW	8/2/2000	8/9/2000	14:16
2000 E1	EJN00-18	E0001032B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	0	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-09-2000	0810SEMW	8/2/2000	8/9/2000	14:18
2000 E1	EJN00-18	E0001032BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0513	0.01	MDL	ug/g	Wet Wt	1	0.050	103		VGICP_8-09-2000	0810SEMW	8/2/2000	8/9/2000	14:24
2000 E1	EJN00-18	E0001032CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0505	0.01	MDL	ug/g	Wet Wt	1	0.050	101		VGICP_8-09-2000	0810SEMW	8/2/2000	8/9/2000	14:21
2000 E1	EJN00-18	E0001032SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.375	0.01	MDL	ug/g	Wet Wt	1	0.446	84		VGICP_8-09-2000	0810SEMW	8/2/2000	8/9/2000	14:27
2000 E1	EJN00-18	E0001033	AMRO MH83 6/25	06/25/00	Tissue	Primary	American Robin	Regional	7440-43-9	ICP - AES	Cadmium	-0.027	0.05	MDL	ug/g	Wet Wt	1				ICP_9-13-00A	0913CDMW	9/13/2000	9/13/2000	13:28
2000 E1	EJN00-18	E0001033	AMRO MH83 6/25	06/25/00	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2000 E1	EJN00-18	E0001033	AMRO MH83 6/25	06/25/00	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.46	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-08-2000	0807SEMW	8/2/2000	8/8/2000	12:15
2000 E1	EJN00-18	E0001033D	AMRO MH83 6/25	06/25/00	Tissue	Lab Dupl	American Robin	Regional	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2000 E1	EJN00-18	E0001033SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.437	0.01	MDL	ug/g	Wet Wt	1	0.446	98		VGICP_8-08-2000	0807SEMW	8/2/2000	8/8/2000	12:12
2000 E1	EJN00-18	E0001034	EAGR BP67 6/24	06/24/00	Tissue	Primary	Eared Grebe	Background	7440-43-9	ICP - AES	Cadmium	0.002	0.025	MDL	ug/g	Wet Wt	1				ICP_9-13-00A	0913CDMW	9/13/2000	9/13/2000	12:11
2000 E1	EJN00-18	E0001034	EAGR BP67 6/24	06/24/00	Tissue	Primary	Eared Grebe	Background	NA	Gravimetric	Moisture Content	78	1	NA	%	NA	1								
2000 E1	EJN00-18	E0001034	EAGR BP67 6/24	06/24/00	Tissue	Primary	Eared Grebe	Background	7782-49-2	ICP, Hydride	Selenium	0.56	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-08-2000	0807SEMW	8/2/2000	8/8/2000	12:18
2000 E1	EJN00-18	E0001034D	EAGR BP67 6/24	06/24/00	Tissue	Lab Dupl	Eared Grebe	Background	7782-49-2	ICP, Hydride	Selenium	0.57	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-08-2000	0807SEMW	8/2/2000	8/8/2000	12:21
2000 E1	EJN00-18	E0001035	EAGR MH82 6/24	06/24/00	Tissue	Primary	Eared Grebe	Background	7440-43-9	ICP - AES	Cadmium	-0.017	0.025	MDL	ug/g	Wet Wt	1				ICP_9-13-00A	0913CDMW	9/13/2000	9/13/2000	11:59
2000 E1	EJN00-18	E0001035	EAGR MH82 6/24	06/24/00	Tissue	Primary	Eared Grebe	Background	NA	Gravimetric	Moisture Content	77	1	NA	%	NA	1								
2000 E1	EJN00-18	E0001035	EAGR MH82 6/24	06/24/00	Tissue	Primary	Eared Grebe	Background	7782-49-2	ICP, Hydride	Selenium	0.49	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-08-2000	0807SEMW	8/2/2000	8/8/2000	12:24
2000 E1	EJN00-18	E0001035D	EAGR MH82 6/24	06/24/00	Tissue	Lab Dupl	Eared Grebe	Background	7440-43-9	ICP - AES	Cadmium	-0.003	0.025	MDL	ug/g	Wet Wt	1				ICP_9-13-00A	0913CDMW	9/13/2000	9/13/2000	12:02
2000 E1	EJN00-18	E0001036	EAGR BP68 6/24	06/24/00	Tissue	Triplicate	Eared Grebe	Background	7440-43-9	ICP - AES	Cadmium	0.022	0.1	MDL	ug/g	Wet Wt	1				ICP_9-13-00A	0913CDMW	9/13/2000	9/13/2000	12:04
2000 E1	EJN00-18	E0001036	EAGR BP68 6/24	06/24/00	Tissue	Triplicate	Eared Grebe	Background	NA	Gravimetric	Moisture Content	79	1	NA	%	NA	1								
2000 E1	EJN00-18	E0001036	EAGR BP68 6/24	06/24/00	Tissue	Triplicate	Eared Grebe	Background	7782-49-2	ICP, Hydride	Selenium	0.51	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-08-2000	0807SEMW	8/2/2000	8/8/2000	12:27
2000 E1	EJN00-18	E0001036-2	EAGR BP68 6/24	06/24/00	Tissue	Triplicate	Eared Grebe	Background	7440-43-9	ICP - AES	Cadmium	-0.006	0.1	MDL	ug/g	Wet Wt	1				ICP_9-13-00A	0913CDMW	9/13/2000	9/13/2000	12:07
2000 E1	EJN00-18	E0001036-2	EAGR BP68 6/24	06/24/00	Tissue	Triplicate	Eared Grebe	Background	NA	Gravimetric	Moisture Content	78	1	NA	%	NA	1								
2000 E1	EJN00-18	E0001036-2	EAGR BP68 6/24	06/24/00	Tissue	Triplicate	Eared Grebe	Background	7782-49-2	ICP, Hydride	Selenium	0.51	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-08-2000	0807SEMW	8/2/2000	8/8/2000	12:29
2000 E1	EJN00-18	E0001036-3	EAGR BP68 6/24	06/24/00	Tissue	Triplicate	Eared Grebe	Background	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-18	E0001036-3	EAGR BP68 6/24	06/24/00	Tissue	Triplicate	Eared Grebe	Background	NA	Gravimetric	Moisture Content	79	1	NA	%	NA	1								
2000 E1	EJN00-18	E0001036-3	EAGR BP68 6/24	06/24/00	Tissue	Triplicate	Eared Grebe	Background	7782-49-2	ICP, Hydride	Selenium	0.51	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-08-2000	0807SEMW	8/2/2000	8/8/2000	12:32
2000 E1	EJN00-18	E0001036MS	EAGR BP68 6/24	06/24/00	Tissue	MS	Eared Grebe	NA	7440-43-9	ICP - AES	Cadmium	105	NA	NA	%				105		ICP_9-13-00A	0913CDMW	9/13/2000	9/13/2000	12:09
2000 E1	EJN00-18	E0001036MS	EAGR BP68 6/24	06/24/00	Tissue	MS	Eared Grebe	NA	7782-49-2	ICP, Hydride	Selenium	108	NA	NA	%				108		VGICP_8-08-2000	0807SEMW	8/2/2000	8/8/2000	12:35
2000 E1	EJN00-18	E0001037	EAGR BG60 6/24	06/24/00	Tissue	Primary	Eared Grebe	Regional	7440-43-9	ICP - AES	Cadmium	-0.009	0.025	MDL	ug/g	Wet Wt	1				ICP_9-13-00A	0913CDMW	9/13/2000	9/13/2000	13:45
2000 E1	EJN00-18	E0001037	EAGR BG60 6/24	06/24/00	Tissue	Primary	Eared Grebe	Regional	NA	Gravimetric	Moisture Content	77	1	NA	%	NA	1								
2000 E1	EJN00-18	E0001037	EAGR BG60 6/24	06/24/00	Tissue	Primary	Eared Grebe	Regional	7782-49-2	ICP, Hydride	Selenium	0.85	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-08-2000	0807SEMW	8/2/2000	8/8/2000	12:38
2000 E1	EJN00-18	E0001037B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.000385	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-08-2000	0807SEMW	8/2/2000	8/8/2000	12:44
2000 E1	EJN00-18	E0001037BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0514	0.01	MDL	ug/g	Wet Wt	1	0.050	103		VGICP_8-08-2000	0807SEMW	8/2/2000	8/8/2000	12:54
2000 E1	EJN00-18	E0001037CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0527	0.01	MDL	ug/g	Wet Wt	1	0.050	105		VGICP_8-08-2000	0807SEMW	8/2/2000	8/8/2000	12:46
2000 E1	EJN00-18	E0001037D	EAGR BG60 6/24	06/24/00	Tissue	Lab Dupl	Eared Grebe	Regional	NA	Gravimetric	Moisture Content	78	1	NA	%	NA	1								
2000 E1	EJN00-18	E0001037D	EAGR BG60 6/24	06/24/00	Tissue	Lab Dupl	Eared Grebe	Regional	7782-49-2	ICP, Hydride	Selenium	0.85	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-08-2000	0807SEMW	8/2/2000	8/8/2000	12:41
2000 E1	EJN00-18	E0001037SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.405	0.01	MDL	ug/g	Wet Wt	1	0.446	91		VGICP_8-08-2000	0807SEMW	8/2/2000	8/8/2000	12:56
2000 E1	EJN00-18	E0001038	FRGU DJ72 6/22	06/22/00	Tissue	Triplicate	Franklin's Gull	Background	7440-43-9	ICP - AES	Cadmium	0.052	0.05	MDL	ug/g	Wet Wt	1				ICP_9-13-00A	0913CDMW	9/13/2000	9/13/2000	13:47
2000 E1	EJN00-18	E0001038	FRGU DJ72 6/22	06/22/00	Tissue	Triplicate	Franklin's Gull	Background	NA	Gravimetric	Moisture Content	75	1	NA	%	NA	1								
2000 E1	EJN00-18	E0001038	FRGU DJ72 6/22	06/22/00	Tissue	Triplicate	Franklin's Gull	Background	7782-49-2	ICP, Hydride	Selenium	0.69	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-08-2000	0807SEMW	8/2/2000	8/8/2000	12:59
2000 E1	EJN00-18	E0001038-2	FRGU DJ72 6/22	06/22/00	Tissue	Triplicate	Franklin's Gull	Background	7440-43-9	ICP - AES	Cadmium	-0.016	0.03	MDL	ug/g	Wet Wt	1				ICP_9-13-00A	0913CDMW	9/13/2000	9/13/2000	13:49
2000 E1	EJN00-18	E0001038-2	FRGU DJ72 6/22	06/22/00	Tissue	Triplicate	Franklin's Gull	Background	NA	Gravimetric	Moisture Content	75	1	NA	%	NA	1								
2000 E1	EJN00-18	E0001038-2	FRGU DJ72 6/22	06/22/00	Tissue	Triplicate	Franklin's Gull	Background	7782-49-2	ICP, Hydride	Selenium	0.66	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-08-2000	0807SEMW	8/2/2000	8/8/2000	13:02
2000 E1	EJN00-18	E0001038-3	FRGU DJ72 6/22	06/22/00	Tissue	Triplicate	Franklin's Gull	Background	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJN00-18	E0001038-3	FRGU DJ72 6/22	06/22/00	Tissue	Triplicate	Franklin's Gull	Background	NA	Gravimetric	Moisture Content	75	1	NA	%	NA	1								
2000 E1	EJN00-18	E0001038-3	FRGU DJ72 6/22	06/22/00	Tissue	Triplicate	Franklin's Gull	Background	7782-49-2	ICP, Hydride	Selenium	0.66	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-08-2000	0807SEMW	8/2/2000	8/8/2000	13:05
2000 E1	EJN00-18	E0001038B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	-0.001	0.025	MDL	ug/g	Wet Wt	1				ICP_9-13-00A	0913CDMW	9/13/2000	9/13/2000	14:03
2000 E1	EJN00-18	E0001038BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7440-43-9	ICP - AES	Cadmium	0.083	0.025	MDL	ug/g	Wet Wt	1	0.080	104		ICP_9-13-00A	0913CDMW	9/13/2000	9/13/2000	13:59
2000 E1	EJN00-18	E0001038CS	Check Standard	NA	Lab QC	CCV	NA	NA	7440-43-9	ICP - AES	Cadmium	0.105	0.025	MDL	ug/g	Wet Wt	1	0.100	105		ICP_9-13-00A	0913CDMW	9/13/2000	9/13/2000	14:01
2000 E1	EJN00-18	E0001038MS	FRGU DJ72 6/22	06/22/00	Tissue	MS	Franklin's Gull	NA	7440-43-9	ICP - AES	Cadmium	103	NA	NA	%				103		ICP_9-13-00A	0913CDMW	9/13/2000	9/13/2000	13:52
2000 E1	EJN00-18	E0001038MS	FRGU DJ72 6/22	06/22/00	Tissue	MS	Franklin's Gull	NA	7782-49-2	ICP, Hydride	Selenium	98	NA	NA	%				98		VGICP_8-08-2000	0807SEMW	8/2/2000	8/8/2000	13:08
2000 E1	EJN00-18	E0001038SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	59.600	0.025	MDL	ug/g	Wet Wt	1	54.3	110		ICP_9-13-00A	0913CDMW	9/13/2000	9/13/2000	13:56
2000 E1	EJY00-06	E0001149	AMRO DJ79 6/26	06/26/00	Tissue	Primary	American Robin	Regional	7440-43-9	ICP - AES	Cadmium	-0.03	0.1	MDL	ug/g	Wet Wt	1				ICP_9-13-00A	0913CDMW	9/13/2000	9/13/2000	13:54
2000 E1	EJY00-06	E0001149	AMRO DJ79 6/26	06/26/00	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								

Event	UIASL Case #	UIASL Sample ID	Field Sample ID	Collection Date	Matrix	QC Type	Common Name	Spatial Relevance	CAS #	Method	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% Rec	QC Flag	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
2000 E1	EJY00-06	E0001149	AMRO DJ79 6/26	06/26/00	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.4	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-08-2000	0807SEMW	8/2/2000	8/8/2000	13:11
2000 E1	EJY00-06	E0001150	BHCO BG61 6/26	06/26/00	Tissue	Primary	rown-Headed Cowbi	Mine	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJY00-06	E0001150	BHCO BG61 6/26	06/26/00	Tissue	Primary	rown-Headed Cowbi	Mine	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2000 E1	EJY00-06	E0001150	BHCO BG61 6/26	06/26/00	Tissue	Primary	rown-Headed Cowbi	Mine	7782-49-2	ICP, Hydride	Selenium	0.43	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-08-2000	0807SEMW	8/2/2000	8/8/2000	13:22
2000 E1	EJY00-06	E0001150D	BHCO BG61 6/26	06/26/00	Tissue	Lab Dupl	rown-Headed Cowbi	Mine	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2000 E1	EJY00-06	E0001151	BHCO BG64 6/26	06/26/00	Tissue	Primary	rown-Headed Cowbi	Mine	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJY00-06	E0001151	BHCO BG64 6/26	06/26/00	Tissue	Primary	rown-Headed Cowbi	Mine	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2000 E1	EJY00-06	E0001151	BHCO BG64 6/26	06/26/00	Tissue	Primary	rown-Headed Cowbi	Mine	7782-49-2	ICP, Hydride	Selenium	0.46	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-08-2000	0807SEMW	8/2/2000	8/8/2000	13:24
2000 E1	EJY00-06	E0001152	AMRO BG66 6/26	06/26/00	Tissue	Primary	American Robin	Background	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJY00-06	E0001152	AMRO BG66 6/26	06/26/00	Tissue	Primary	American Robin	Background	NA	Gravimetric	Moisture Content	79	1	NA	%	NA	1								
2000 E1	EJY00-06	E0001152	AMRO BG66 6/26	06/26/00	Tissue	Primary	American Robin	Background	7782-49-2	ICP, Hydride	Selenium	0.84	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-08-2000	0807SEMW	8/2/2000	8/8/2000	13:27
2000 E1	EJY00-06	E0001153	BHCO BG67 6/26	06/26/00	Tissue	Primary	rown-Headed Cowbi	Mine	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJY00-06	E0001153	BHCO BG67 6/26	06/26/00	Tissue	Primary	rown-Headed Cowbi	Mine	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2000 E1	EJY00-06	E0001153	BHCO BG67 6/26	06/26/00	Tissue	Primary	rown-Headed Cowbi	Mine	7782-49-2	ICP, Hydride	Selenium	0.41	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-08-2000	0807SEMW	8/2/2000	8/8/2000	13:31
2000 E1	EJY00-06	E0001154	MOBL BP71 6/29	06/29/00	Tissue	Primary	Mountain Bluebird	Background	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJY00-06	E0001154	MOBL BP71 6/29	06/29/00	Tissue	Primary	Mountain Bluebird	Background	NA	Gravimetric	Moisture Content	80	1	NA	%	NA	1								
2000 E1	EJY00-06	E0001154	MOBL BP71 6/29	06/29/00	Tissue	Primary	Mountain Bluebird	Background	7782-49-2	ICP, Hydride	Selenium	1.5	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-08-2000	0807SEMW	8/2/2000	8/8/2000	13:33
2000 E1	EJY00-06	E0001155	MOBL MH86 6/29	06/29/00	Tissue	Primary	Mountain Bluebird	Background	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJY00-06	E0001155	MOBL MH86 6/29	06/29/00	Tissue	Primary	Mountain Bluebird	Background	NA	Gravimetric	Moisture Content	73	1	NA	%	NA	1								
2000 E1	EJY00-06	E0001155	MOBL MH86 6/29	06/29/00	Tissue	Primary	Mountain Bluebird	Background	7782-49-2	ICP, Hydride	Selenium	1.7	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-08-2000	0807SEMW	8/2/2000	8/8/2000	13:36
2000 E1	EJY00-06	E0001155B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	0	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-08-2000	0807SEMW	8/2/2000	8/8/2000	13:39
2000 E1	EJY00-06	E0001155BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0516	0.01	MDL	ug/g	Wet Wt	1	0.050	103		VGICP_8-08-2000	0807SEMW	8/2/2000	8/8/2000	13:45
2000 E1	EJY00-06	E0001155CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.052	0.01	MDL	ug/g	Wet Wt	1	0.050	104		VGICP_8-08-2000	0807SEMW	8/2/2000	8/8/2000	13:42
2000 E1	EJY00-06	E0001155SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.421	0.01	MDL	ug/g	Wet Wt	1	0.446	94		VGICP_8-08-2000	0807SEMW	8/2/2000	8/8/2000	13:48
2000 E1	EJY00-06	E0001156	BHCO MH87 6/29	06/29/00	Tissue	Primary	rown-Headed Cowbi	Background	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJY00-06	E0001156	BHCO MH87 6/29	06/29/00	Tissue	Primary	rown-Headed Cowbi	Background	NA	Gravimetric	Moisture Content	80	1	NA	%	NA	1								
2000 E1	EJY00-06	E0001156	BHCO MH87 6/29	06/29/00	Tissue	Primary	rown-Headed Cowbi	Background	7782-49-2	ICP, Hydride	Selenium	0.4	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-08-2000	0808SEMW	8/3/2000	8/8/2000	8:17
2000 E1	EJY00-06	E0001156SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.465	0.01	MDL	ug/g	Wet Wt	1	0.446	104		VGICP_8-08-2000	0808SEMW	8/3/2000	8/8/2000	8:14
2000 E1	EJY00-06	E0001157	COSN BG69 6/29	06/29/00	Tissue	Primary	Common Snipe	Background	7440-43-9	ICP - AES	Cadmium	-0.015	0.025	MDL	ug/g	Wet Wt	1				ICP_9-14-00	0914CDMW	9/14/2000	9/14/2000	10:57
2000 E1	EJY00-06	E0001157	COSN BG69 6/29	06/29/00	Tissue	Primary	Common Snipe	Background	NA	Gravimetric	Moisture Content	74	1	NA	%	NA	1								
2000 E1	EJY00-06	E0001157	COSN BG69 6/29	06/29/00	Tissue	Primary	Common Snipe	Background	7782-49-2	ICP, Hydride	Selenium	0.75	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-08-2000	0808SEMW	8/3/2000	8/8/2000	8:20
2000 E1	EJY00-06	E0001157B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	0.001	0.025	MDL	ug/g	Wet Wt	1				ICP_9-14-00	0914CDMW	9/14/2000	9/14/2000	10:47
2000 E1	EJY00-06	E0001157BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7440-43-9	ICP - AES	Cadmium	0.078	0.025	MDL	ug/g	Wet Wt	1	0.080	98		ICP_9-14-00	0914CDMW	9/14/2000	9/14/2000	10:52
2000 E1	EJY00-06	E0001157CS	Check Standard	NA	Lab QC	CCV	NA	NA	7440-43-9	ICP - AES	Cadmium	0.097	0.025	MDL	ug/g	Wet Wt	1	0.100	97		ICP_9-14-00	0914CDMW	9/14/2000	9/14/2000	10:50
2000 E1	EJY00-06	E0001157D	COSN BG69 6/29	06/29/00	Tissue	Lab Dupl	Common Snipe	Background	7440-43-9	ICP - AES	Cadmium	0.004	0.025	MDL	ug/g	Wet Wt	1				ICP_9-14-00	0914CDMW	9/14/2000	9/14/2000	10:59
2000 E1	EJY00-06	E0001157D	COSN BG69 6/29	06/29/00	Tissue	Lab Dupl	Common Snipe	Background	7782-49-2	ICP, Hydride	Selenium	0.76	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-08-2000	0808SEMW	8/3/2000	8/8/2000	8:23
2000 E1	EJY00-06	E0001157SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	54.500	0.025	MDL	ug/g	Wet Wt	1	54.3	100		ICP_9-14-00	0914CDMW	9/14/2000	9/14/2000	10:54
2000 E1	EJY00-06	E0001158	SOSP BG72 6/30	06/30/00	Tissue	Primary	Song Sparrow	Regional	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJY00-06	E0001158	SOSP BG72 6/30	06/30/00	Tissue	Primary	Song Sparrow	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2000 E1	EJY00-06	E0001158	SOSP BG72 6/30	06/30/00	Tissue	Primary	Song Sparrow	Regional	7782-49-2	ICP, Hydride	Selenium	0.74	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-08-2000	0808SEMW	8/3/2000	8/8/2000	8:26
2000 E1	EJY00-06	E0001159	TRES BP72 6/30	06/30/00	Tissue	Primary	Tree Swallow	Background	7440-43-9	ICP - AES	Cadmium	QNS	0.025	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2000 E1	EJY00-06	E0001159	TRES BP72 6/30	06/30/00	Tissue	Primary	Tree Swallow	Background	NA	Gravimetric	Moisture Content	81	1	NA	%	NA	1								
2000 E1	EJY00-06	E0001159	TRES BP72 6/30	06/30/00	Tissue	Primary	Tree Swallow	Background	7782-49-2	ICP, Hydride	Selenium	0.52	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-08-2000	0808SEMW	8/3/2000	8/8/2000	8:29
2000 E1	EJY00-06	E0001160	AMRO BG70 6/30	06/30/00	Tissue	Primary	American Robin	Background	7440-43-9	ICP - AES	Cadmium	-0.015	0.03	MDL	ug/g	Wet Wt	1				ICP_9-14-00	0914CDMW	9/14/2000	9/14/2000	11:01
2000 E1	EJY00-06	E0001160	AMRO BG70 6/30	06/30/00	Tissue	Primary	American Robin	Background	NA	Gravimetric	Moisture Content	80	1	NA	%	NA	1								
2000 E1	EJY00-06	E0001160	AMRO BG70 6/30	06/30/00	Tissue	Primary	American Robin	Background	7782-49-2	ICP, Hydride	Selenium	0.53	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-22-2000	0822SEMW	8/15/2000	8/22/2000	12:56
2000 E1	EJY00-06	E0001160B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	0	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-22-2000	0822SEMW	8/15/2000	8/22/2000	13:06
2000 E1	EJY00-06	E0001160BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.05	0.01	MDL	ug/g	Wet Wt	1	0.050	100		VGICP_8-22-2000	0822SEMW	8/15/2000	8/22/2000	13:12
2000 E1	EJY00-06	E0001160CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0516	0.01	MDL	ug/g	Wet Wt	1	0.050	103		VGICP_8-22-2000	0822SEMW	8/15/2000	8/22/2000	13:09
2000 E1	EJY00-06	E0001160SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.425	0.01	MDL	ug/g	Wet Wt	1	0.446	95		VGICP_8-22-2000	0822SEMW	8/15/2000	8/22/2000	13:15
2000 E1	EJY00-06	E0001161	AMRO DJ82 6/30	06/30/00	Tissue	Primary	American Robin	Background	7440-43-9	ICP - AES	Cadmium	-0.011	0.025	MDL	ug/g	Wet Wt	1				ICP_9-14-00	0914CDMW	9/14/2000	9/14/2000	11:04
2000 E1	EJY00-06	E0001161	AMRO DJ82 6/30	06/30/00	Tissue	Primary	American Robin	Background	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2000 E1	EJY00-06	E0001161	AMRO DJ82 6/30	06/30/00	Tissue	Primary	American Robin	Background	7782-49-2	ICP, Hydride	Selenium	0.43	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-08-2000	0808SEMW	8/3/2000	8/8/2000	8:32
2000 E1	EJY00-06	E0001161D	AMRO DJ82 6/30	06/30/00	Tissue	Lab Dupl	American Robin	Background	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2000 E1	EJY00-06	E0001162	COSN BG71 6/30	06/30/00	Tissue	Primary	Common Snipe	Regional	7440-43-9	ICP - AES	Cadmium	-0.011	0.025	MDL	ug/g	Wet Wt	1				ICP_9-14-00	0914CDMW	9/14/2000	9/14/2000	11:06
2000 E1	EJY00-06	E0001162	COSN BG71 6/30	06/30/00	Tissue	Primary	Common Snipe	Regional	NA	Gravimetric	Moisture Content	72	1	NA	%	NA	1								
2000 E1	EJY00-06	E0001162	COSN BG71 6/30	06/30/00	Tissue	Primary	Common Snipe	Regional	7782-49-2	ICP, Hydride	Selenium	2.4	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-08-2000	0808SEMW	8/3/2000	8/8/2000	8:35
2000 E1	EJY00-06	E0001163	BHCO BP73 7/1	07/01/00	Tissue	Primary	rown-Headed Cowbi	Regional	7440-43-9	ICP - AES	Cadmium	-0.012	0.042	MDL	ug/g	Wet Wt	1				ICP_9-14-00	0914CDMW	9/14/2000	9/14/2000	11:08
2000 E1	EJY00-06	E0001163	BHCO BP73 7/1	07/01/00	Tissue	Primary	rown-Headed Cowbi	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2000 E1	EJY00-06	E0001163	BHCO BP73 7/1	07/01/00	Tissue	Primary	rown-Headed Cowbi	Regional	7782-49-2	ICP, Hydride	Selenium	0.42	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-08-2000	0808SEMW	8/3/2000	8/8/2000	8:37
2000 E1	EJY00-06	E0001164	BHCO DJ84 7/2	07/02/00	Tissue	Primary	rown-Headed Cowbi	Mine	7440-43-9	ICP - AES	Cadmium	0.01	0.042	MDL	ug/g	Wet Wt	1				ICP_9-14-00	0914CDMW	9/14/2000	9/14/2000	11:11
2000 E1	EJY00-06	E0001164	BHCO DJ84 7/2	07/02/00	Tissue	Primary	rown-Headed Cowbi	Mine	NA	Gravimetric	Moisture Content	81	1	NA	%	NA	1								
2000 E1	EJY00-06	E0001164	BHCO DJ84 7/2	07/02/00	Tissue	Primary	rown-Headed Cowbi	Mine	7782-49-2	ICP, Hydride	Selenium	0.48	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-08-2000	0808SEMW	8/3/2000	8/8/2000	8:40
2000 E1	EJY00-06	E0001165	SOSP DJ83 7/2	07/02/00	Tissue	Primary	Song Sparrow	Background	7440-43-9	ICP - AES	Cadmium	-0.002	0.1	MDL	ug/g	Wet Wt	1				ICP_9-14-00	0914CDMW	9/14/2000	9/14/2000	11:13
2000 E1	EJY00-06	E0001165	SOSP DJ83 7/2	07/02/00	Tissue	Primary	Song Sparrow	Background	NA	Gravimetric	Moisture Content	81	1	NA	%	NA	1								

Event	UIASL Case #	UIASL Sample ID	Field Sample ID	Collection Date	Matrix	QC Type	Common Name	Spatial Relevance	CAS #	Method	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% Rec	QC Flag	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
2000 E1	EJY00-06	E0001165	SOSP DJ83 7/2	07/02/00	Tissue	Primary	Song Sparrow	Background	7782-49-2	ICP, Hydride	Selenium	0.75	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-08-2000	0808SEMW	8/3/2000	8/8/2000	8:43
2000 E1	EJY00-06	E0001166	COSN HR180 7/2	07/02/00	Tissue	Primary	Common Snipe	Background	7440-43-9	ICP - AES	Cadmium	-0.003	0.025	MDL	ug/g	Wet Wt	1				ICP_9-14-00	0914CDMW	9/14/2000	9/14/2000	11:15
2000 E1	EJY00-06	E0001166	COSN HR180 7/2	07/02/00	Tissue	Primary	Common Snipe	Background	NA	Gravimetric	Moisture Content	75	1	NA	%	NA	1								
2000 E1	EJY00-06	E0001166	COSN HR180 7/2	07/02/00	Tissue	Primary	Common Snipe	Background	7782-49-2	ICP, Hydride	Selenium	0.46	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-08-2000	0808SEMW	8/3/2000	8/8/2000	8:46
2000 E1	EJY00-06	E0001166B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	0	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-08-2000	0808SEMW	8/3/2000	8/8/2000	8:52
2000 E1	EJY00-06	E0001166BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0514	0.01	MDL	ug/g	Wet Wt	1	0.050	103		VGICP_8-08-2000	0808SEMW	8/3/2000	8/8/2000	8:57
2000 E1	EJY00-06	E0001166CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0523	0.01	MDL	ug/g	Wet Wt	1	0.050	105		VGICP_8-08-2000	0808SEMW	8/3/2000	8/8/2000	8:54
2000 E1	EJY00-06	E0001166D	COSN HR180 7/2	07/02/00	Tissue	Lab Dupl	Common Snipe	Background	7782-49-2	ICP, Hydride	Selenium	0.47	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-08-2000	0808SEMW	8/3/2000	8/8/2000	8:49
2000 E1	EJY00-06	E0001166SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.457	0.01	MDL	ug/g	Wet Wt	1	0.446	102		VGICP_8-08-2000	0808SEMW	8/3/2000	8/8/2000	9:00
2000 E1	EJY00-06	E0001167	WEGR BP74 7/2	07/02/00	Tissue	Triplicate	Western Grebe	Background	7440-43-9	ICP - AES	Cadmium	-0.009	0.025	MDL	ug/g	Wet Wt	1				ICP_9-14-00	0914CDMW	9/14/2000	9/14/2000	11:18
2000 E1	EJY00-06	E0001167	WEGR BP74 7/2	07/02/00	Tissue	Triplicate	Western Grebe	Background	NA	Gravimetric	Moisture Content	76	1	NA	%	NA	1								
2000 E1	EJY00-06	E0001167	WEGR BP74 7/2	07/02/00	Tissue	Triplicate	Western Grebe	Background	7782-49-2	ICP, Hydride	Selenium	0.54	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-08-2000	0808SEMW	8/3/2000	8/8/2000	9:03
2000 E1	EJY00-06	E0001167-2	WEGR BP74 7/2	07/02/00	Tissue	Triplicate	Western Grebe	Background	7440-43-9	ICP - AES	Cadmium	0.004	0.025	MDL	ug/g	Wet Wt	1				ICP_9-14-00	0914CDMW	9/14/2000	9/14/2000	11:20
2000 E1	EJY00-06	E0001167-2	WEGR BP74 7/2	07/02/00	Tissue	Triplicate	Western Grebe	Background	NA	Gravimetric	Moisture Content	77	1	NA	%	NA	1								
2000 E1	EJY00-06	E0001167-2	WEGR BP74 7/2	07/02/00	Tissue	Triplicate	Western Grebe	Background	7782-49-2	ICP, Hydride	Selenium	0.5	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-08-2000	0808SEMW	8/3/2000	8/8/2000	9:06
2000 E1	EJY00-06	E0001167-3	WEGR BP74 7/2	07/02/00	Tissue	Triplicate	Western Grebe	Background	7440-43-9	ICP - AES	Cadmium	-0.003	0.025	MDL	ug/g	Wet Wt	1				ICP_9-14-00	0914CDMW	9/14/2000	9/14/2000	11:22
2000 E1	EJY00-06	E0001167-3	WEGR BP74 7/2	07/02/00	Tissue	Triplicate	Western Grebe	Background	NA	Gravimetric	Moisture Content	77	1	NA	%	NA	1								
2000 E1	EJY00-06	E0001167-3	WEGR BP74 7/2	07/02/00	Tissue	Triplicate	Western Grebe	Background	7782-49-2	ICP, Hydride	Selenium	0.54	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-08-2000	0808SEMW	8/3/2000	8/8/2000	9:09
2000 E1	EJY00-06	E0001167B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	-0.002	0.025	MDL	ug/g	Wet Wt	1				ICP_9-14-00	0914CDMW	9/14/2000	9/14/2000	11:34
2000 E1	EJY00-06	E0001167BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7440-43-9	ICP - AES	Cadmium	0.082	0.025	MDL	ug/g	Wet Wt	1	0.080	103		ICP_9-14-00	0914CDMW	9/14/2000	9/14/2000	11:37
2000 E1	EJY00-06	E0001167CS	Check Standard	NA	Lab QC	CCV	NA	NA	7440-43-9	ICP - AES	Cadmium	0.099	0.025	MDL	ug/g	Wet Wt	1	0.100	99		ICP_9-14-00	0914CDMW	9/14/2000	9/14/2000	11:27
2000 E1	EJY00-06	E0001167MS	WEGR BP74 7/2	07/02/00	Tissue	MS	Western Grebe	NA	7440-43-9	ICP - AES	Cadmium	95	NA	NA	%				95		ICP_9-14-00	0914CDMW	9/14/2000	9/14/2000	11:25
2000 E1	EJY00-06	E0001167MS	WEGR BP74 7/2	07/02/00	Tissue	MS	Western Grebe	NA	7782-49-2	ICP, Hydride	Selenium	111	NA	NA	%				111		VGICP_8-08-2000	0808SEMW	8/3/2000	8/8/2000	9:12
2000 E1	EJY00-06	E0001167SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	55.900	0.025	MDL	ug/g	Wet Wt	1	54.3	103		ICP_9-14-00	0914CDMW	9/14/2000	9/14/2000	11:39
2000 E1	EJY00-06	E0001168	WEGR DJ85 7/4	07/04/00	Tissue	Primary	Western Grebe	Regional	7440-43-9	ICP - AES	Cadmium	-0.007	0.025	MDL	ug/g	Wet Wt	1				ICP_9-14-00	0914CDMW	9/14/2000	9/14/2000	11:41
2000 E1	EJY00-06	E0001168	WEGR DJ85 7/4	07/04/00	Tissue	Primary	Western Grebe	Regional	NA	Gravimetric	Moisture Content	76	1	NA	%	NA	1								
2000 E1	EJY00-06	E0001168	WEGR DJ85 7/4	07/04/00	Tissue	Primary	Western Grebe	Regional	7782-49-2	ICP, Hydride	Selenium	1.8	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-08-2000	0808SEMW	8/3/2000	8/8/2000	9:15
2000 E1	EJY00-06	E0001168D	WEGR DJ85 7/4	07/04/00	Tissue	Lab Dupl	Western Grebe	Regional	NA	Gravimetric	Moisture Content	76	1	NA	%	NA	1								
2000 E1	EJY00-06	E0001169	WEGR DJ86 7/4	07/04/00	Tissue	Primary	Western Grebe	Regional	7440-43-9	ICP - AES	Cadmium	-0.013	0.025	MDL	ug/g	Wet Wt	1				ICP_9-14-00	0914CDMW	9/14/2000	9/14/2000	11:44
2000 E1	EJY00-06	E0001169	WEGR DJ86 7/4	07/04/00	Tissue	Primary	Western Grebe	Regional	NA	Gravimetric	Moisture Content	77	1	NA	%	NA	1								
2000 E1	EJY00-06	E0001169	WEGR DJ86 7/4	07/04/00	Tissue	Primary	Western Grebe	Regional	7782-49-2	ICP, Hydride	Selenium	1.3	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-08-2000	0808SEMW	8/3/2000	8/8/2000	9:18
2000 E1	EJY00-06	E0001170	EAGR MH88 7/4	07/04/00	Tissue	Primary	Eared Grebe	Background	7440-43-9	ICP - AES	Cadmium	-0.014	0.025	MDL	ug/g	Wet Wt	1				ICP_9-14-00	0914CDMW	9/14/2000	9/14/2000	11:46
2000 E1	EJY00-06	E0001170	EAGR MH88 7/4	07/04/00	Tissue	Primary	Eared Grebe	Background	NA	Gravimetric	Moisture Content	77	1	NA	%	NA	1								
2000 E1	EJY00-06	E0001170	EAGR MH88 7/4	07/04/00	Tissue	Primary	Eared Grebe	Background	7782-49-2	ICP, Hydride	Selenium	1.2	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-08-2000	0808SEMW	8/3/2000	8/8/2000	9:24
2000 E1	EJY00-06	E0001171	EAGR BP75 7/4	07/04/00	Tissue	Primary	Eared Grebe	Background	7440-43-9	ICP - AES	Cadmium	-0.008	0.025	MDL	ug/g	Wet Wt	1				ICP_9-14-00	0914CDMW	9/14/2000	9/14/2000	11:48
2000 E1	EJY00-06	E0001171	EAGR BP75 7/4	07/04/00	Tissue	Primary	Eared Grebe	Background	NA	Gravimetric	Moisture Content	79	1	NA	%	NA	1								
2000 E1	EJY00-06	E0001171	EAGR BP75 7/4	07/04/00	Tissue	Primary	Eared Grebe	Background	7782-49-2	ICP, Hydride	Selenium	1.1	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-08-2000	0808SEMW	8/3/2000	8/8/2000	9:26
2000 E1	EJY00-06	E0001171B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	0	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-08-2000	0808SEMW	8/3/2000	8/8/2000	9:29
2000 E1	EJY00-06	E0001171BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.052	0.01	MDL	ug/g	Wet Wt	1	0.050	104		VGICP_8-08-2000	0808SEMW	8/3/2000	8/8/2000	9:35
2000 E1	EJY00-06	E0001171CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0522	0.01	MDL	ug/g	Wet Wt	1	0.050	104		VGICP_8-08-2000	0808SEMW	8/3/2000	8/8/2000	9:32
2000 E1	EJY00-06	E0001171SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.462	0.01	MDL	ug/g	Wet Wt	1	0.446	104		VGICP_8-08-2000	0808SEMW	8/3/2000	8/8/2000	9:38
2000 E1	EJY00-06	E0001172	WEGR BG74 7/5	07/05/00	Tissue	Triplicate	Western Grebe	Background	7440-43-9	ICP - AES	Cadmium	-0.014	0.025	MDL	ug/g	Wet Wt	1				ICP_9-14-00	0914CDMW	9/14/2000	9/14/2000	11:51
2000 E1	EJY00-06	E0001172	WEGR BG74 7/5	07/05/00	Tissue	Triplicate	Western Grebe	Background	NA	Gravimetric	Moisture Content	75	1	NA	%	NA	1								
2000 E1	EJY00-06	E0001172	WEGR BG74 7/5	07/05/00	Tissue	Triplicate	Western Grebe	Background	7782-49-2	ICP, Hydride	Selenium	0.77	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-29-2000	0829SEMW	8/3/2000	8/29/2000	12:17
2000 E1	EJY00-06	E0001172-2	WEGR BG74 7/5	07/05/00	Tissue	Triplicate	Western Grebe	Background	7440-43-9	ICP - AES	Cadmium	0.004	0.025	MDL	ug/g	Wet Wt	1				ICP_9-14-00	0914CDMW	9/14/2000	9/14/2000	11:53
2000 E1	EJY00-06	E0001172-2	WEGR BG74 7/5	07/05/00	Tissue	Triplicate	Western Grebe	Background	NA	Gravimetric	Moisture Content	76	1	NA	%	NA	1								
2000 E1	EJY00-06	E0001172-2	WEGR BG74 7/5	07/05/00	Tissue	Triplicate	Western Grebe	Background	7782-49-2	ICP, Hydride	Selenium	0.74	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-29-2000	0829SEMW	8/3/2000	8/29/2000	12:20
2000 E1	EJY00-06	E0001172-3	WEGR BG74 7/5	07/05/00	Tissue	Triplicate	Western Grebe	Background	7440-43-9	ICP - AES	Cadmium	0.001	0.025	MDL	ug/g	Wet Wt	1				ICP_9-14-00	0914CDMW	9/14/2000	9/14/2000	11:55
2000 E1	EJY00-06	E0001172-3	WEGR BG74 7/5	07/05/00	Tissue	Triplicate	Western Grebe	Background	NA	Gravimetric	Moisture Content	76	1	NA	%	NA	1								
2000 E1	EJY00-06	E0001172-3	WEGR BG74 7/5	07/05/00	Tissue	Triplicate	Western Grebe	Background	7782-49-2	ICP, Hydride	Selenium	0.76	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-29-2000	0829SEMW	8/3/2000	8/29/2000	12:22
2000 E1	EJY00-06	E0001172MS	WEGR BG74 7/5	07/05/00	Tissue	MS	Western Grebe	NA	7440-43-9	ICP - AES	Cadmium	111	NA	NA	%				111		ICP_9-14-00	0914CDMW	9/14/2000	9/14/2000	11:58
2000 E1	EJY00-06	E0001172MS	WEGR BG74 7/5	07/05/00	Tissue	MS	Western Grebe	NA	7782-49-2	ICP, Hydride	Selenium	118	NA	NA	%				118		VGICP_8-29-2000	0829SEMW	8/3/2000	8/29/2000	12:25
2000 E1	EJY00-06	E0001172SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.502	0.01	MDL	ug/g	Wet Wt	1	0.446	113		VGICP_8-29-2000	0829SEMW	8/3/2000	8/29/2000	12:11
2000 E1	EJY00-06	E0001173	WEGR BG75 7/5	07/05/00	Tissue	Primary	Western Grebe	Background	7440-43-9	ICP - AES	Cadmium	-0.009	0.025	MDL	ug/g	Wet Wt	1				ICP_9-14-00	0914CDMW	9/14/2000	9/14/2000	12:00
2000 E1	EJY00-06	E0001173	WEGR BG75 7/5	07/05/00	Tissue	Primary	Western Grebe	Background	NA	Gravimetric	Moisture Content	77	1	NA	%	NA	1								
2000 E1	EJY00-06	E0001173	WEGR BG75 7/5	07/05/00	Tissue	Primary	Western Grebe	Background	7782-49-2	ICP, Hydride	Selenium	0.63	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-29-2000	0829SEMW	8/3/2000	8/29/2000	12:28
2000 E1	EJY00-06	E0001173D	WEGR BG75 7/5	07/05/00	Tissue	Lab Dupl	Western Grebe	Background	7782-49-2	ICP, Hydride	Selenium	0.64	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-29-2000	0829SEMW	8/3/2000	8/29/2000	12:31
2000 E1	EJY00-06	E0001174	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0505	0.01	MDL	ug/g	Wet Wt	1	0.050	101		VGICP_8-29-2000	0829SEMW	8/3/2000	8/29/2000	12:48
2000 E1	EJY00-06	E0001174	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.451	0.01	MDL	ug/g	Wet Wt	1	0.446	101		VGICP_8-29-2000	0829SEMW	8/3/2000	8/29/2000	12:54
2000 E1	EJY00-06	E0001174	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0504	0.01	MDL	ug/g	Wet Wt	1	0.050	101		VGICP_8-29-2000	0829SEMW	8/3/2000	8/29/2000	12:51
2000 E1	EJY00-06	E0001174	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	0	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-29-2000	0829SEMW	8/3/2000	8/29/2000	12:45
2000 E1	EJY00-06	E0001174	WEGR BP76 7/5	07/05/00	Tissue	Triplicate	Western Grebe	Background	7440-43-9	ICP - AES	Cadmium	0.004	0.025	MDL	ug/g	Wet Wt	1				ICP_9-14-00	0914CDMW	9/14/2000	9/14/2000	12:02
2000 E1	EJY00-06	E0001174	WEGR BP76 7/5	07/05/00	Tissue	Triplicate	Western Grebe	Background	NA	Gravimetric	Moisture Content	78	1	NA	%	NA	1								
2000 E1	EJY00-06	E0001174	WEGR BP76 7/5	07/05/00	Tissue	Triplicate	Western Grebe	Background	7782-49-2	ICP, Hydride	Selenium	0.62	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-29-2000	0829SEMW	8/3/2000	8/29/2000	12:34
2000 E1	EJY00-06	E0001174-2	WEGR BP76 7/5	07/05/00	Tissue	Triplicate	Western Grebe	Background	7440-43-9	ICP - AES	Cadmium	-0.009	0.025	MDL	ug/g	Wet Wt	1				ICP_9-14-00	0914CDMW	9/14/2000	9/14/2000	12:05

Event	UIASL Case #	UIASL Sample ID	Field Sample ID	Collection Date	Matrix	QC Type	Common Name	Spatial Relevance	CAS #	Method	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% Rec	QC Flag	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
2000 E1	EJY00-06	E0001174-2	WEGR BP76 7/5	07/05/00	Tissue	Triplicate	Western Grebe	Background	NA	Gravimetric	Moisture Content	78	1	NA	%	NA	1								
2000 E1	EJY00-06	E0001174-2	WEGR BP76 7/5	07/05/00	Tissue	Triplicate	Western Grebe	Background	7782-49-2	ICP, Hydride	Selenium	0.62	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-29-2000	0829SEMW	8/3/2000	8/29/2000	12:37
2000 E1	EJY00-06	E0001174-3	WEGR BP76 7/5	07/05/00	Tissue	Triplicate	Western Grebe	Background	7440-43-9	ICP - AES	Cadmium	-0.007	0.025	MDL	ug/g	Wet Wt	1				ICP_9-14-00	0914CDMW	9/14/2000	9/14/2000	12:07
2000 E1	EJY00-06	E0001174-3	WEGR BP76 7/5	07/05/00	Tissue	Triplicate	Western Grebe	Background	NA	Gravimetric	Moisture Content	78	1	NA	%	NA	1								
2000 E1	EJY00-06	E0001174-3	WEGR BP76 7/5	07/05/00	Tissue	Triplicate	Western Grebe	Background	7782-49-2	ICP, Hydride	Selenium	0.59	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-29-2000	0829SEMW	8/3/2000	8/29/2000	12:40
2000 E1	EJY00-06	E0001174B	Laboratory Blank	NA	Tissue	MB	NA	NA	7440-43-9	ICP - AES	Cadmium	-0.001	0.025	MDL	ug/g	Wet Wt	1				ICP_9-14-00	0914CDMW	9/14/2000	9/14/2000	12:19
2000 E1	EJY00-06	E0001174BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7440-43-9	ICP - AES	Cadmium	0.082	0.025	MDL	ug/g	Wet Wt	1	0.080	103		ICP_9-14-00	0914CDMW	9/14/2000	9/14/2000	12:14
2000 E1	EJY00-06	E0001174CS	Check Standard	NA	Lab QC	CCV	NA	NA	7440-43-9	ICP - AES	Cadmium	0.104	0.025	MDL	ug/g	Wet Wt	1	0.100	104		ICP_9-14-00	0914CDMW	9/14/2000	9/14/2000	12:16
2000 E1	EJY00-06	E0001174MS	WEGR BP76 7/5	07/05/00	Tissue	MS	Western Grebe	NA	7440-43-9	ICP - AES	Cadmium	103	NA	NA	%				103		ICP_9-14-00	0914CDMW	9/14/2000	9/14/2000	12:09
2000 E1	EJY00-06	E0001174MS	WEGR BP76 7/5	07/05/00	Tissue	MS	Western Grebe	NA	7782-49-2	ICP, Hydride	Selenium	110	NA	NA	%				110		VGICP_8-29-2000	0829SEMW	8/3/2000	8/29/2000	12:43
2000 E1	EJY00-06	E0001174SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7440-43-9	ICP - AES	Cadmium	55.000	0.025	MDL	ug/g	Wet Wt	1	54.3	101		ICP_9-14-00	0914CDMW	9/14/2000	9/14/2000	12:12
2000 E1	EJN00-04	E000756B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	0	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-26-2000	0726SEMW	7/14/2000	7/26/2000	10:39
2000 E1	EJN00-04	E000756BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0498	0.01	MDL	ug/g	Wet Wt	1	0.050	100		VGICP_7-26-2000	0726SEMW	7/14/2000	7/26/2000	10:45
2000 E1	EJN00-04	E000756CS	Check Standard	NA	Lab QC	LLCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0504	0.01	MDL	ug/g	Wet Wt	1	0.050	101		VGICP_7-26-2000	0726SEMW	7/14/2000	7/26/2000	10:42
2000 E1	EJN00-04	E000756SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium		0.01	MDL	ug/g	Wet Wt	1	0.446	0		VGICP_7-26-2000	0726SEMW	7/14/2000	7/26/2000	IRFL
2000 E1	EMA#	S1	TORT2	NA	Tissue	SRM	NA	NA	7782-49-2	ICP, Hydride	Selenium		0.01	MDL	ug/g	Wet Wt	1	5.630	0		VGICP_8-22-2000	0822SEMW	8/15/2000	8/22/2000	12:44
2000 E1	EMA#	SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium		0.01	MDL	ug/g	Wet Wt	1	0.446	0		VGICP_8-22-2000	0822SEMW	8/15/2000	8/22/2000	12:41
2001 E1	EMAY01-20	E0100466	AMRO AD001 051401	05/14/01	Tissue	Primary	American Robin	Mine	NA	Gravimetric	Moisture Content	81	1	NA	%	NA	1								
2001 E1	EMAY01-20	E0100466	AMRO AD001 051401	05/14/01	Tissue	Primary	American Robin	Mine	7782-49-2	ICP, Hydride	Selenium	0.490	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-30-01	0730SEM	7/30/2001	7/30/2001	14:36
2001 E1	EMAY01-20	E0100466B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	-0.000931	0.005	MDL	ug/g	Wet Wt	1				VGICP_7-30-01	0730SEM	7/30/2001	7/30/2001	14:27
2001 E1	EMAY01-20	E0100466BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0503	0.005	MDL	ug/g	Wet Wt	1	0.050	101		VGICP_7-30-01	0730SEM	7/30/2001	7/30/2001	14:33
2001 E1	EMAY01-20	E0100466CS	Check Standard	NA	Lab QC	ICV	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0506	0.005	MDL	ug/g	Wet Wt	1	0.050	101		VGICP_7-30-01	0730SEM	7/30/2001	7/30/2001	14:30
2001 E1	EMAY01-20	E0100466S1	TORT	NA	Tissue	SRM	NA	NA	7782-49-2	ICP, Hydride	Selenium	5.19	0.005	MDL	ug/g	Wet Wt	1	5.63	92		VGICP_7-30-01	0730SEM	7/30/2001	7/30/2001	14:21
2001 E1	EMAY01-20	E0100466SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.440	0.005	MDL	ug/g	Wet Wt	1	0.446	99		VGICP_7-30-01	0730SEM	7/30/2001	7/30/2001	14:21
2001 E1	EMAY01-20	E0100467	CH010 AMRO 051201	05/12/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	85	1	NA	%	NA	1								
2001 E1	EMAY01-20	E0100467	CH010 AMRO 051201	05/12/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.540	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-30-01	0730SEM	7/30/2001	7/30/2001	14:39
2001 E1	EMAY01-20	E0100468	DJ005 AMRO 051401	05/14/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EMAY01-20	E0100468	DJ005 AMRO 051401	05/14/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.430	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-30-01	0730SEM	7/30/2001	7/30/2001	14:42
2001 E1	EMAY01-20	E0100468D	DJ005 AMRO 051401	05/14/01	Tissue	Lab Dupl	American Robin	Regional	NA	Gravimetric	Moisture Content	85	1	NA	%	NA	1								
2001 E1	EMAY01-20	E0100469	SF006 AMRO 051401	05/14/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EMAY01-20	E0100469	SF006 AMRO 051401	05/14/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.540	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-30-01	0730SEM	7/30/2001	7/30/2001	14:44
2001 E1	EMAY01-20	E0100470	AMRO AZ010 051201	05/12/01	Tissue	Primary	American Robin	Background	NA	Gravimetric	Moisture Content	85	1	NA	%	NA	1								
2001 E1	EMAY01-20	E0100470	AMRO AZ010 051201	05/12/01	Tissue	Primary	American Robin	Background	7782-49-2	ICP, Hydride	Selenium	0.440	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-30-01	0730SEM	7/30/2001	7/30/2001	14:47
2001 E1	EMAY01-20	E0100471	CR008 AMRO 051401	05/14/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EMAY01-20	E0100471	CR008 AMRO 051401	05/14/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.570	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-30-01	0730SEM	7/30/2001	7/30/2001	14:50
2001 E1	EMAY01-20	E0100472	AMRO AZ003 051401	05/14/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EMAY01-20	E0100472	AMRO AZ003 051401	05/14/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.480	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-30-01	0730SEM	7/30/2001	7/30/2001	14:53
2001 E1	EMAY01-20	E0100472D	AMRO AZ003 051401	05/14/01	Tissue	Lab Dupl	American Robin	Regional	NA	Gravimetric	Moisture Content	80	1	NA	%	NA	1								
2001 E1	EMAY01-20	E0100473	AMRO AZ004 051401	05/14/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	86	1	NA	%	NA	1								
2001 E1	EMAY01-20	E0100473	AMRO AZ004 051401	05/14/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.390	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-30-01	0730SEM	7/30/2001	7/30/2001	14:56
2001 E1	EMAY01-20	E0100474	SF001 AMRO 051001	05/10/01	Tissue	Primary	American Robin	Mine	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EMAY01-20	E0100474	SF001 AMRO 051001	05/10/01	Tissue	Primary	American Robin	Mine	7782-49-2	ICP, Hydride	Selenium	0.750	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-30-01	0730SEM	7/30/2001	7/30/2001	14:59
2001 E1	EMAY01-20	E0100475	DJ002 AMRO 051201	05/12/01	Tissue	Replicate	American Robin	Regional	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EMAY01-20	E0100475	DJ002 AMRO 051201	05/12/01	Tissue	Replicate	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.470	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-30-01	0730SEM	7/30/2001	7/30/2001	15:01
2001 E1	EMAY01-20	E0100475-2	DJ002 AMRO 051201	05/12/01	Tissue	Replicate	American Robin	Regional	NA	Gravimetric	Moisture Content	85	1	NA	%	NA	1								
2001 E1	EMAY01-20	E0100475-2	DJ002 AMRO 051201	05/12/01	Tissue	Replicate	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.470	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-30-01	0730SEM	7/30/2001	7/30/2001	15:04
2001 E1	EMAY01-20	E0100476	EF007 AMRO 051001	05/10/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EMAY01-20	E0100476	EF007 AMRO 051001	05/10/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.530	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-30-01	0730SEM	7/30/2001	7/30/2001	15:07
2001 E1	EMAY01-20	E0100476MS	EF007 AMRO 051001	NA	Tissue	MS	NA	NA	7782-49-2	ICP, Hydride	Selenium	103	NA	NA	%				103		VGICP_7-30-01	0730SEM	7/30/2001	7/30/2001	15:10
2001 E1	EMAY01-20	E0100477	RV007 AMRO 051201	05/12/01	Tissue	Primary	American Robin	Mine	NA	Gravimetric	Moisture Content	85	1	NA	%	NA	1								
2001 E1	EMAY01-20	E0100477	RV007 AMRO 051201	05/12/01	Tissue	Primary	American Robin	Mine	7782-49-2	ICP, Hydride	Selenium	0.500	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-30-01	0730SEM	7/30/2001	7/30/2001	15:13
2001 E1	EMAY01-20	E0100477D	RV007 AMRO 051201	05/12/01	Tissue	Lab Dupl	American Robin	Mine	7782-49-2	ICP, Hydride	Selenium	0.510	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-30-01	0730SEM	7/30/2001	7/30/2001	15:16
2001 E1	EMAY01-20	E0100477SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.376	0.005	MDL	ug/g	Wet Wt	1	0.446	84		VGICP_7-30-01	0730SEM	7/30/2001	7/30/2001	15:19
2001 E1	EMAY01-26	E0100506	EF006 AMRO 051001	05/10/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EMAY01-26	E0100506	EF006 AMRO 051001	05/10/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.670	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-1-01	0801SEM	7/31/2001	8/2/2001	11:10
2001 E1	EMAY01-26	E0100506B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	-0.000515	0.005	MDL	ug/g	Wet Wt	1				VGICP_8-1-01	0801SEM	7/31/2001	8/2/2001	10:58
2001 E1	EMAY01-26	E0100506BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0512	0.005	MDL	ug/g	Wet Wt	1	0.050	102		VGICP_8-1-01	0801SEM	7/31/2001	8/2/2001	11:07
2001 E1	EMAY01-26	E0100506CS	Check Standard	NA	Lab QC	ICV	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0512	0.005	MDL	ug/g	Wet Wt	1	0.050	102		VGICP_8-1-01	0801SEM	7/31/2001	8/2/2001	11:04
2001 E1	EMAY01-26	E0100506SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.372	0.005	MDL	ug/g	Wet Wt	1	0.446	83		VGICP_8-1-01	0801SEM	7/31/2001	8/2/2001	10:58
2001 E1	EMAY01-26	E0100507	CR007 AMRO 051901	05/19/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EMAY01-26	E0100507	CR007 AMRO 051901	05/19/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.420	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-1-01	0801SEM	7/31/2001	8/2/2001	11:13
2001 E1	EMAY01-26	E0100508	CH001 AMRO 050901	05/09/01	Tissue	Primary	American Robin	Background	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EMAY01-26	E0100508	CH001 AMRO 050901	05/09/01	Tissue	Primary	American Robin	Background	7782-49-2	ICP, Hydride	Selenium	0.530	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-1-01	0801SEM	7/31/2001	8/2/2001	11:16
2001 E1	EMAY01-26	E0100508D	CH001 AMRO 050901	05/09/01	Tissue	Lab Dupl	American Robin	Background	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EMAY01-26	E0100509	EF004 AMRO 050901	05/09/01	Tissue	Primary	American Robin	Background	NA	Gravimetric	Moisture Content	85	1	NA	%	NA	1								

Event	UIASL Case #	UIASL Sample ID	Field Sample ID	Collection Date	Matrix	QC Type	Common Name	Spatial Relevance	CAS #	Method	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% Rec	QC Flag	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
2001 E1	EMAY01-26	E0100509	EF004 AMRO 050901	05/09/01	Tissue	Primary	American Robin	Background	7782-49-2	ICP, Hydride	Selenium	0.420	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-1-01	0801SEM	7/31/2001	8/2/2001	11:18
2001 E1	EMAY01-26	E0100510	SF002 AMRO 051801	05/18/01	Tissue	Primary	American Robin	Mine	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EMAY01-26	E0100510	SF002 AMRO 051801	05/18/01	Tissue	Primary	American Robin	Mine	7782-49-2	ICP, Hydride	Selenium	0.640	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-1-01	0801SEM	7/31/2001	8/2/2001	11:21
2001 E1	EMAY01-26	E0100511	SF003 AMRO 051801	05/18/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	85	1	NA	%	NA	1								
2001 E1	EMAY01-26	E0100511	SF003 AMRO 051801	05/18/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.370	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-1-01	0801SEM	7/31/2001	8/2/2001	11:24
2001 E1	EMAY01-26	E0100512	SF014 AMRO 051901	05/19/01	Tissue	Primary	American Robin	Background	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EMAY01-26	E0100512	SF014 AMRO 051901	05/19/01	Tissue	Primary	American Robin	Background	7782-49-2	ICP, Hydride	Selenium	0.420	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-1-01	0801SEM	7/31/2001	8/2/2001	11:27
2001 E1	EMAY01-26	E0100513	DJ025 RWBL 052001	05/20/01	Tissue	Primary	Red-Winged Blackbird	Regional	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EMAY01-26	E0100513	DJ025 RWBL 052001	05/20/01	Tissue	Primary	Red-Winged Blackbird	Regional	7782-49-2	ICP, Hydride	Selenium	0.540	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-1-01	0801SEM	7/31/2001	8/2/2001	11:30
2001 E1	EMAY01-26	E0100514	CR019 AMRO 052001	05/20/01	Tissue	Primary	American Robin	Mine	NA	Gravimetric	Moisture Content	85	1	NA	%	NA	1								
2001 E1	EMAY01-26	E0100514	CR019 AMRO 052001	05/20/01	Tissue	Primary	American Robin	Mine	7782-49-2	ICP, Hydride	Selenium	1.000	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-1-01	0801SEM	7/31/2001	8/2/2001	11:33
2001 E1	EMAY01-26	E0100514MS	CR019 AMRO 052001	NA	Tissue	MS	NA	NA	7782-49-2	ICP, Hydride	Selenium	114	NA	NA	%				114		VGICP_8-1-01	0801SEM	7/31/2001	8/2/2001	11:36
2001 E1	EMAY01-26	E0100515	CH012 AMRO 051501	05/15/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EMAY01-26	E0100515	CH012 AMRO 051501	05/15/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.430	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-1-01	0801SEM	7/31/2001	8/2/2001	11:39
2001 E1	EMAY01-26	E0100516	SF012 AMRO 051901	05/19/01	Tissue	Replicate	American Robin	Background	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EMAY01-26	E0100516	SF012 AMRO 051901	05/19/01	Tissue	Replicate	American Robin	Background	7782-49-2	ICP, Hydride	Selenium	0.480	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-1-01	0801SEM	7/31/2001	8/2/2001	11:42
2001 E1	EMAY01-26	E0100516-2	SF012 AMRO 051901	05/19/01	Tissue	Replicate	American Robin	Background	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EMAY01-26	E0100516-2	SF012 AMRO 051901	05/19/01	Tissue	Replicate	American Robin	Background	7782-49-2	ICP, Hydride	Selenium	0.500	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-1-01	0801SEM	7/31/2001	8/2/2001	11:45
2001 E1	EMAY01-26	E0100517	CR004 AMRO 051501	05/15/01	Tissue	Primary	American Robin	Background	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EMAY01-26	E0100517	CR004 AMRO 051501	05/15/01	Tissue	Primary	American Robin	Background	7782-49-2	ICP, Hydride	Selenium	0.380	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-1-01	0801SEM	7/31/2001	8/2/2001	11:48
2001 E1	EMAY01-26	E0100517D	CR004 AMRO 051501	05/15/01	Tissue	Lab Dupl	American Robin	Background	7782-49-2	ICP, Hydride	Selenium	0.390	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-1-01	0801SEM	7/31/2001	8/2/2001	11:50
2001 E1	EMAY01-26	E0100520	EF018 AMRO 051901	05/19/01	Tissue	Primary	American Robin	Mine	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EMAY01-26	E0100520	EF018 AMRO 051901	05/19/01	Tissue	Primary	American Robin	Mine	7782-49-2	ICP, Hydride	Selenium	0.640	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-1-01	0801SEM	7/31/2001	8/2/2001	11:53
2001 E1	EMAY01-26	E0100521	SF013 AMRO 051901	05/19/01	Tissue	Primary	American Robin	Background	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EMAY01-26	E0100521	SF013 AMRO 051901	05/19/01	Tissue	Primary	American Robin	Background	7782-49-2	ICP, Hydride	Selenium	0.490	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-1-01	0801SEM	7/31/2001	8/2/2001	11:56
2001 E1	EMAY01-26	E0100521SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.430	0.005	MDL	ug/g	Wet Wt	1	0.446	96		VGICP_8-1-01	0801SEM	7/31/2001	8/2/2001	11:59
2001 E1	EMAY01-26	E0100522	AMRO AM001 051801	05/18/01	Tissue	Primary	American Robin	Mine	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EMAY01-26	E0100522	AMRO AM001 051801	05/18/01	Tissue	Primary	American Robin	Mine	7782-49-2	ICP, Hydride	Selenium	0.740	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-31-01	0731SEM	7/31/2001	7/31/2001	13:28
2001 E1	EMAY01-26	E0100522	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.486	0.005	MDL	ug/g	Wet Wt	1	0.446	109		VGICP_7-31-01	0731SEM	7/31/2001	7/31/2001	13:26
2001 E1	EMAY01-26	E0100522	TORT	NA	Tissue	SRM	NA	NA	7782-49-2	ICP, Hydride	Selenium	4.960	0.005	MDL	ug/g	Wet Wt	1	5.63	88		VGICP_7-31-01	0731SEM	7/31/2001	7/31/2001	13:23
2001 E1	EMAY01-26	E0100522B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.000105	0.005	MDL	ug/g	Wet Wt	1				VGICP_7-31-01	0731SEM	7/31/2001	7/31/2001	13:14
2001 E1	EMAY01-26	E0100522BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0482	0.005	MDL	ug/g	Wet Wt	1	0.050	96		VGICP_7-31-01	0731SEM	7/31/2001	7/31/2001	13:14
2001 E1	EMAY01-26	E0100522CS	Check Standard	NA	Lab QC	ICV	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0489	0.005	MDL	ug/g	Wet Wt	1	0.050	98		VGICP_7-31-01	0731SEM	7/31/2001	7/31/2001	13:20
2001 E1	EMAY01-26	E0100523	SF900 AMRO 051701	05/17/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EMAY01-26	E0100523	SF900 AMRO 051701	05/17/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.620	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-31-01	0731SEM	7/31/2001	7/31/2001	13:31
2001 E1	EMAY01-26	E0100524	CR003 AMRO 050801	05/08/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	85	1	NA	%	NA	1								
2001 E1	EMAY01-26	E0100524	CR003 AMRO 050801	05/08/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.590	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-31-01	0731SEM	7/31/2001	7/31/2001	13:34
2001 E1	EMAY01-26	E0100525	RV019 AMRO 051901	05/19/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EMAY01-26	E0100525	RV019 AMRO 051901	05/19/01	Tissue	Primary	American Robin	Mine	7782-49-2	ICP, Hydride	Selenium	0.850	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-31-01	0731SEM	7/31/2001	7/31/2001	13:37
2001 E1	EMAY01-26	E0100525D	RV019 AMRO 051901	05/19/01	Tissue	Lab Dupl	American Robin	Mine	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EMAY01-26	E0100526	CH004 AMRO 051201	05/12/01	Tissue	Replicate	American Robin	Regional	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EMAY01-26	E0100526	CH004 AMRO 051201	05/12/01	Tissue	Replicate	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.450	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-31-01	0731SEM	7/31/2001	7/31/2001	13:40
2001 E1	EMAY01-26	E0100526-2	CH004 AMRO 051201	05/12/01	Tissue	Replicate	American Robin	Regional	NA	Gravimetric	Moisture Content	85	1	NA	%	NA	1								
2001 E1	EMAY01-26	E0100526-2	CH004 AMRO 051201	05/12/01	Tissue	Replicate	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.430	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-31-01	0731SEM	7/31/2001	7/31/2001	13:43
2001 E1	EMAY01-26	E0100527	DJ007 AMRO 051701	05/17/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	85	1	NA	%	NA	1								
2001 E1	EMAY01-26	E0100527	DJ007 AMRO 051701	05/17/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.450	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-31-01	0731SEM	7/31/2001	7/31/2001	13:46
2001 E1	EMAY01-26	E0100527MS	DJ007 AMRO 051701	NA	Tissue	MS	NA	NA	7782-49-2	ICP, Hydride	Selenium	112	NA	NA	%				112		VGICP_7-31-01	0731SEM	7/31/2001	7/31/2001	13:49
2001 E1	EMAY01-29	E0100538	CR010 AMRO 051501	05/15/01	Tissue	Primary	American Robin	Background	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EMAY01-29	E0100538	CR010 AMRO 051501	05/15/01	Tissue	Primary	American Robin	Background	7782-49-2	ICP, Hydride	Selenium	0.500	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-31-01	0731SEM	7/31/2001	7/31/2001	13:51
2001 E1	EMAY01-29	E0100539	RV001 AMRO 051101	05/11/01	Tissue	Primary	American Robin	Mine	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EMAY01-29	E0100539	RV001 AMRO 051101	05/11/01	Tissue	Primary	American Robin	Mine	7782-49-2	ICP, Hydride	Selenium	1.000	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-31-01	0731SEM	7/31/2001	7/31/2001	13:53
2001 E1	EMAY01-29	E0100539D	RV001 AMRO 051101	05/11/01	Tissue	Lab Dupl	American Robin	Mine	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EMAY01-29	E0100540	AMRO AZ007 051101	05/11/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EMAY01-29	E0100540	AMRO AZ007 051101	05/11/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.550	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-31-01	0731SEM	7/31/2001	7/31/2001	13:57
2001 E1	EMAY01-29	E0100541	EF013 AMRO 051901	05/19/01	Tissue	Primary	American Robin	Background	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EMAY01-29	E0100541	EF013 AMRO 051901	05/19/01	Tissue	Primary	American Robin	Background	7782-49-2	ICP, Hydride	Selenium	0.570	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-31-01	0731SEM	7/31/2001	7/31/2001	14:00
2001 E1	EMAY01-29	E0100542	AMRO AM002 051001	05/10/01	Tissue	Primary	American Robin	Mine	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EMAY01-29	E0100542	AMRO AM002 051001	05/10/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.880	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-31-01	0731SEM	7/31/2001	7/31/2001	14:03
2001 E1	EMAY01-29	E0100543	CR006 AMRO 051701	05/17/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	81	1	NA	%	NA	1								
2001 E1	EMAY01-29	E0100543	CR006 AMRO 051701	05/17/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.490	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-31-01	0731SEM	7/31/2001	7/31/2001	14:06
2001 E1	EMAY01-29	E0100543D	CR006 AMRO 051701	05/17/01	Tissue	Lab Dupl	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.540	0.01	MDL	ug/g	Wet Wt	1				VGICP_7-31-01	0731SEM	7/31/2001	7/31/2001	14:09
2001 E1	EMAY01-29	E0100543SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.536	0.005	MDL	ug/g	Wet Wt	1	0.446	120		VGICP_7-31-01	0731SEM	7/31/2001	7/31/2001	14:12
2001 E1	EMAY01-29	E0100544	CH003 AMRO 051501	05/15/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EMAY01-29	E0100544	CH003 AMRO 051501	05/15/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.560	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-6-01B	0806SEM1	8/6/2001	8/6/2001	14:23
2001 E1	EMAY01-29	E0100544B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	-0.000429	0.005	MDL	ug/g	Wet Wt	1				VGICP_8-6-01B	0806SEM1	8/6/2001	8/6/2001	14:11

Event	UIASL Case #	UIASL Sample ID	Field Sample ID	Collection Date	Matrix	QC Type	Common Name	Spatial Relevance	CAS #	Method	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% Rec	QC Flag	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
2001 E1	EMAY01-29	E0100544BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.045	0.005	MDL	ug/g	Wet Wt	1	0.050	90		VGICP_8-6-01B	0806SEM1	8/6/2001	8/6/2001	14:20
2001 E1	EMAY01-29	E0100544CS	Check Standard	NA	Lab QC	ICV	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0505	0.005	MDL	ug/g	Wet Wt	1	0.050	101		VGICP_8-6-01B	0806SEM1	8/6/2001	8/6/2001	14:13
2001 E1	EMAY01-29	E0100544S1	TORT	NA	Tissue	SRM	NA	NA	7782-49-2	ICP, Hydride	Selenium	5.19	0.005	MDL	ug/g	Wet Wt	1	5.63	92		VGICP_8-6-01B	0806SEM1	8/6/2001	8/6/2001	14:05
2001 E1	EMAY01-29	E0100544SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.404	0.005	MDL	ug/g	Wet Wt	1	0.446	91		VGICP_8-6-01B	0806SEM1	8/6/2001	8/6/2001	14:08
2001 E1	EMAY01-29	E0100545	CR001 AMRO 051001	05/10/01	Tissue	Primary	American Robin	Mine	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EMAY01-29	E0100545	CR001 AMRO 051001	05/10/01	Tissue	Primary	American Robin	Mine	7782-49-2	ICP, Hydride	Selenium	0.470	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-6-01B	0806SEM1	8/6/2001	8/6/2001	14:26
2001 E1	EMAY01-29	E0100546	AMRO AZ001 051501	05/15/01	Tissue	Primary	American Robin	Mine	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EMAY01-29	E0100546	AMRO AZ001 051501	05/15/01	Tissue	Primary	American Robin	Mine	7782-49-2	ICP, Hydride	Selenium	0.500	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-6-01B	0806SEM1	8/6/2001	8/6/2001	14:29
2001 E1	EMAY01-29	E0100547	RV004 AMRO 051001	05/10/01	Tissue	Replicate	American Robin	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EMAY01-29	E0100547	RV004 AMRO 051001	05/10/01	Tissue	Replicate	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.450	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-6-01B	0806SEM1	8/6/2001	8/6/2001	14:32
2001 E1	EMAY01-29	E0100547-2	RV004 AMRO 051001	05/10/01	Tissue	Replicate	American Robin	Regional	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EMAY01-29	E0100547-2	RV004 AMRO 051001	05/10/01	Tissue	Replicate	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.400	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-6-01B	0806SEM1	8/6/2001	8/6/2001	14:34
2001 E1	EMAY01-29	E0100548	CH002 AMRO 050701	05/07/01	Tissue	Primary	American Robin	Mine	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EMAY01-29	E0100548	CH002 AMRO 050701	05/07/01	Tissue	Primary	American Robin	Mine	7782-49-2	ICP, Hydride	Selenium	0.640	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-6-01B	0806SEM1	8/6/2001	8/6/2001	14:37
2001 E1	EMAY01-29	E0100549	EF001 AMRO 051001	05/10/01	Tissue	Primary	American Robin	Mine	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EMAY01-29	E0100549	EF001 AMRO 051001	05/10/01	Tissue	Primary	American Robin	Mine	7782-49-2	ICP, Hydride	Selenium	0.510	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-6-01B	0806SEM1	8/6/2001	8/6/2001	14:43
2001 E1	EMAY01-29	E0100550	CH019 AMRO 051801	05/18/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EMAY01-29	E0100550	CH019 AMRO 051801	05/18/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.620	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-6-01B	0806SEM1	8/6/2001	8/6/2001	14:46
2001 E1	EMAY01-29	E0100550D	CH019 AMRO 051801	05/18/01	Tissue	Lab Dupl	American Robin	Regional	NA	Gravimetric	Moisture Content	86	1	NA	%	NA	1								
2001 E1	EMAY01-29	E0100551	CH005 AMRO 050901	05/09/01	Tissue	Primary	American Robin	Background	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EMAY01-29	E0100551	CH005 AMRO 050901	05/09/01	Tissue	Primary	American Robin	Background	7782-49-2	ICP, Hydride	Selenium	0.380	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-6-01B	0806SEM1	8/6/2001	8/6/2001	14:49
2001 E1	EMAY01-29	E0100552	EF021 AMRO 052101	05/21/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EMAY01-29	E0100552	EF021 AMRO 052101	05/21/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.620	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-6-01B	0806SEM1	8/6/2001	8/6/2001	14:52
2001 E1	EMAY01-29	E0100553	RV023 AMRO 051901	05/19/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EMAY01-29	E0100553	RV023 AMRO 051901	05/19/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.400	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-6-01B	0806SEM1	8/6/2001	8/6/2001	14:54
2001 E1	EMAY01-29	E0100553D	RV023 AMRO 051901	05/19/01	Tissue	Lab Dupl	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.380	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-6-01B	0806SEM1	8/6/2001	8/6/2001	14:57
2001 E1	EMAY01-29	E0100554	RWBL AM031 052101	05/21/01	Tissue	Primary	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EMAY01-29	E0100554	RWBL AM031 052101	05/21/01	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.390	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-6-01B	0806SEM1	8/6/2001	8/6/2001	15:00
2001 E1	EMAY01-29	E0100555	SF005 AMRO 052101	05/21/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EMAY01-29	E0100555	SF005 AMRO 052101	05/21/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.380	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-6-01B	0806SEM1	8/6/2001	8/6/2001	15:03
2001 E1	EMAY01-29	E0100556	RWBL AM008 052101	05/21/01	Tissue	Primary	Red-Winged Blackbir	Background	NA	Gravimetric	Moisture Content	85	1	NA	%	NA	1								
2001 E1	EMAY01-29	E0100556	RWBL AM008 052101	05/21/01	Tissue	Primary	Red-Winged Blackbir	Background	7782-49-2	ICP, Hydride	Selenium	0.440	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-6-01B	0806SEM1	8/6/2001	8/6/2001	15:06
2001 E1	EMAY01-29	E0100556SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.378	0.005	MDL	ug/g	Wet Wt	1	0.446	85		VGICP_8-6-01B	0806SEM1	8/6/2001	8/6/2001	15:09
2001 E1	EMAY01-29	E0100557	AMRO AM032 052101	05/21/01	Tissue	Primary	American Robin	Mine	NA	Gravimetric	Moisture Content	81	1	NA	%	NA	1								
2001 E1	EMAY01-29	E0100557	AMRO AM032 052101	05/21/01	Tissue	Primary	American Robin	Mine	7782-49-2	ICP, Hydride	Selenium	0.470	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-6-01	0806SEM	8/6/2001	8/6/2001	11:53
2001 E1	EMAY01-29	E0100557MS	AMRO AM032 052101	NA	Tissue	MS	NA	NA	7782-49-2	ICP, Hydride	Selenium	92	NA	NA	%				92		VGICP_8-6-01	0806SEM	8/6/2001	8/6/2001	11:56
2001 E1	EMAY01-29	E0100558	SF007 AMRO 052001	05/20/01	Tissue	Replicate	American Robin	Regional	NA	Gravimetric	Moisture Content	79	1	NA	%	NA	1								
2001 E1	EMAY01-29	E0100558	SF007 AMRO 052001	05/20/01	Tissue	Replicate	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.450	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-6-01	0806SEM	8/6/2001	8/6/2001	11:59
2001 E1	EMAY01-29	E0100558-2	SF007 AMRO 052001	05/20/01	Tissue	Replicate	American Robin	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EMAY01-29	E0100558-2	SF007 AMRO 052001	05/20/01	Tissue	Replicate	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.370	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-6-01	0806SEM	8/6/2001	8/6/2001	12:02
2001 E1	EMAY01-29	E0100558B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	-0.00138	0.005	MDL	ug/g	Wet Wt	1				VGICP_8-6-01	0806SEM	8/6/2001	8/6/2001	11:33
2001 E1	EMAY01-29	E0100558BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0486	0.005	MDL	ug/g	Wet Wt	1	0.050	97		VGICP_8-6-01	0806SEM	8/6/2001	8/6/2001	11:48
2001 E1	EMAY01-29	E0100558CS	Check Standard	NA	Lab QC	ICV	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0482	0.005	MDL	ug/g	Wet Wt	1	0.050	96		VGICP_8-6-01	0806SEM	8/6/2001	8/6/2001	11:50
2001 E1	EMAY01-29	E0100558S1	TORT	NA	Tissue	SRM	NA	NA	7782-49-2	ICP, Hydride	Selenium	5.43	0.005	MDL	ug/g	Wet Wt	1	5.63	96		VGICP_8-6-01	0806SEM	8/6/2001	8/6/2001	11:33
2001 E1	EMAY01-29	E0100558SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.396	0.005	MDL	ug/g	Wet Wt	1	0.446	89		VGICP_8-6-01	0806SEM	8/6/2001	8/6/2001	11:33
2001 E1	EMAY01-35	E0100594	DJ037 RWBL 052401	05/24/01	Tissue	Primary	Red-Winged Blackbir	Background	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EMAY01-35	E0100594	DJ037 RWBL 052401	05/24/01	Tissue	Primary	Red-Winged Blackbir	Background	7782-49-2	ICP, Hydride	Selenium	0.270	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-6-01	0806SEM	8/6/2001	8/6/2001	12:05
2001 E1	EMAY01-35	E0100595	DJ041 RWBL 052401	05/24/01	Tissue	Primary	Red-Winged Blackbir	Background	NA	Gravimetric	Moisture Content	85	1	NA	%	NA	1								
2001 E1	EMAY01-35	E0100595	DJ041 RWBL 052401	05/24/01	Tissue	Primary	Red-Winged Blackbir	Background	7782-49-2	ICP, Hydride	Selenium	0.560	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-6-01	0806SEM	8/6/2001	8/6/2001	12:08
2001 E1	EMAY01-35	E0100596	AMRO AZ015 052401	05/24/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EMAY01-35	E0100596	AMRO AZ015 052401	05/24/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.540	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-6-01	0806SEM	8/6/2001	8/6/2001	12:10
2001 E1	EMAY01-35	E0100596D	AMRO AZ015 052401	05/24/01	Tissue	Lab Dupl	American Robin	Regional	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EMAY01-35	E0100596D	AMRO AZ015 052401	05/24/01	Tissue	Lab Dupl	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.510	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-6-01	0806SEM	8/6/2001	8/6/2001	12:13
2001 E1	EMAY01-35	E0100597	SF004 AMRO 052101	05/21/01	Tissue	Primary	American Robin	Mine	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EMAY01-35	E0100597	SF004 AMRO 052101	05/21/01	Tissue	Primary	American Robin	Mine	7782-49-2	ICP, Hydride	Selenium	0.410	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-6-01	0806SEM	8/6/2001	8/6/2001	12:16
2001 E1	EMAY01-35	E0100598	RWBL AM069 052701	05/27/01	Tissue	Primary	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	80	1	NA	%	NA	1								
2001 E1	EMAY01-35	E0100598	RWBL AM069 052701	05/27/01	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.480	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-6-01	0806SEM	8/6/2001	8/6/2001	12:19
2001 E1	EMAY01-35	E0100599	SF027 RWBL 052401	05/24/01	Tissue	Primary	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EMAY01-35	E0100599	SF027 RWBL 052401	05/24/01	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.400	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-6-01	0806SEM	8/6/2001	8/6/2001	12:22
2001 E1	EMAY01-35	E0100600	RWBL AZ033 052401	05/24/01	Tissue	Primary	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EMAY01-35	E0100600	RWBL AZ033 052401	05/24/01	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.500	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-6-01	0806SEM	8/6/2001	8/6/2001	12:25
2001 E1	EMAY01-35	E0100601	CH043 AMRO 052401	05/24/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EMAY01-35	E0100601	CH043 AMRO 052401	05/24/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.410	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-6-01	0806SEM	8/6/2001	8/6/2001	12:28
2001 E1	EMAY01-35	E0100601MS	CH043 AMRO 052401	NA	Tissue	MS	NA	NA	7782-49-2	ICP, Hydride	Selenium	78	NA	NA	%				78		VGICP_8-6-01	0806SEM	8/6/2001	8/6/2001	12:30
2001 E1	EMAY01-35	E0100602	CH023 AMRO 052101	05/21/01	Tissue	Replicate	American Robin	Mine	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								

Event	UIASL Case #	UIASL Sample ID	Field Sample ID	Collection Date	Matrix	QC Type	Common Name	Spatial Relevance	CAS #	Method	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% Rec	QC Flag	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
2001 E1	EMAY01-35	E0100602	CH023 AMRO 052101	05/21/01	Tissue	Replicate	American Robin	Mine	7782-49-2	ICP, Hydride	Selenium	0.480	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-6-01	0806SEM	8/6/2001	8/6/2001	12:33
2001 E1	EMAY01-35	E0100602-2	CH023 AMRO 052101	05/21/01	Tissue	Replicate	American Robin	Mine	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EMAY01-35	E0100602-2	CH023 AMRO 052101	05/21/01	Tissue	Replicate	American Robin	Mine	7782-49-2	ICP, Hydride	Selenium	0.560	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-6-01	0806SEM	8/6/2001	8/6/2001	12:36
2001 E1	EMAY01-35	E0100602SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.422	0.005	MDL	ug/g	Wet Wt	1	0.446	95		VGICP_8-6-01	0806SEM	8/6/2001	8/6/2001	12:39
2001 E1	EMAY01-35	E0100603	DJ069 RWBL 052401	05/24/01	Tissue	Primary	Red-Winged Blackbird	Background	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EMAY01-35	E0100603	DJ069 RWBL 052401	05/24/01	Tissue	Primary	Red-Winged Blackbird	Background	7782-49-2	ICP, Hydride	Selenium	0.310	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-7-01	0806SEM2	8/6/2001	8/7/2001	9:48
2001 E1	EMAY01-35	E0100603B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	-0.000209	0.005	MDL	ug/g	Wet Wt	1				VGICP_8-7-01	0806SEM2	8/6/2001	8/7/2001	9:31
2001 E1	EMAY01-35	E0100603BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0485	0.005	MDL	ug/g	Wet Wt	1	0.050	97		VGICP_8-7-01	0806SEM2	8/6/2001	8/7/2001	9:45
2001 E1	EMAY01-35	E0100603CS	Check Standard	NA	Lab QC	ICV	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0494	0.005	MDL	ug/g	Wet Wt	1	0.050	99		VGICP_8-7-01	0806SEM2	8/6/2001	8/7/2001	9:42
2001 E1	EMAY01-35	E0100603S1	TORT	NA	Tissue	SRM	NA	NA	7782-49-2	ICP, Hydride	Selenium	5.47	0.005	MDL	ug/g	Wet Wt	1	5.63	97		VGICP_8-7-01	0806SEM2	8/6/2001	8/7/2001	9:31
2001 E1	EMAY01-35	E0100603SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.431	0.005	MDL	ug/g	Wet Wt	1	0.446	97		VGICP_8-7-01	0806SEM2	8/6/2001	8/7/2001	9:37
2001 E1	EMAY01-35	E0100604	DJ046 RWBL 052401	05/24/01	Tissue	Primary	Red-Winged Blackbird	Regional	NA	Gravimetric	Moisture Content	87	1	NA	%	NA	1								
2001 E1	EMAY01-35	E0100604	DJ046 RWBL 052401	05/24/01	Tissue	Primary	Red-Winged Blackbird	Regional	7782-49-2	ICP, Hydride	Selenium	0.490	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-7-01	0806SEM2	8/6/2001	8/7/2001	9:51
2001 E1	EMAY01-35	E0100604D	DJ046 RWBL 052401	05/24/01	Tissue	Lab Dupl	Red-Winged Blackbird	Regional	NA	Gravimetric	Moisture Content	86	1	NA	%	NA	1								
2001 E1	EMAY01-35	E0100606	EF026 AMRO 052201	05/22/01	Tissue	Replicate	American Robin	Background	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EMAY01-35	E0100606	EF026 AMRO 052201	05/22/01	Tissue	Replicate	American Robin	Background	7782-49-2	ICP, Hydride	Selenium	0.410	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-7-01	0806SEM2	8/6/2001	8/7/2001	9:54
2001 E1	EMAY01-35	E0100606-2	EF026 AMRO 052201	05/22/01	Tissue	Replicate	American Robin	Background	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EMAY01-35	E0100606-2	EF026 AMRO 052201	05/22/01	Tissue	Replicate	American Robin	Background	7782-49-2	ICP, Hydride	Selenium	0.430	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-7-01	0806SEM2	8/6/2001	8/7/2001	9:56
2001 E1	EMAY01-35	E0100607	DJ042 RWBL 052101	05/21/01	Tissue	Primary	Red-Winged Blackbird	Background	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EMAY01-35	E0100607	DJ042 RWBL 052101	05/21/01	Tissue	Primary	Red-Winged Blackbird	Background	7782-49-2	ICP, Hydride	Selenium	1.000	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-7-01	0806SEM2	8/6/2001	8/7/2001	9:59
2001 E1	EMAY01-35	E0100608	DJ047 RWBL 052101	05/21/01	Tissue	Primary	Red-Winged Blackbird	Background	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EMAY01-35	E0100608	DJ047 RWBL 052101	05/21/01	Tissue	Primary	Red-Winged Blackbird	Background	7782-49-2	ICP, Hydride	Selenium	0.400	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-7-01	0806SEM2	8/6/2001	8/7/2001	10:02
2001 E1	EMAY01-35	E0100609	SF015 RWBL 052201	05/22/01	Tissue	Primary	Red-Winged Blackbird	Mine	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EMAY01-35	E0100609	SF015 RWBL 052201	05/22/01	Tissue	Primary	Red-Winged Blackbird	Mine	7782-49-2	ICP, Hydride	Selenium	0.660	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-7-01	0806SEM2	8/6/2001	8/7/2001	10:05
2001 E1	EMAY01-35	E0100610	RWBL AZ031 052401	05/24/01	Tissue	Primary	Red-Winged Blackbird	Background	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EMAY01-35	E0100610	RWBL AZ031 052401	05/24/01	Tissue	Primary	Red-Winged Blackbird	Background	7782-49-2	ICP, Hydride	Selenium	0.330	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-7-01	0806SEM2	8/6/2001	8/7/2001	10:08
2001 E1	EMAY01-35	E0100610D	RWBL AZ031 052401	05/24/01	Tissue	Lab Dupl	Red-Winged Blackbird	Background	NA	Gravimetric	Moisture Content	88	1	NA	%	NA	1								
2001 E1	EMAY01-35	E0100611	EF023 RWBL 052401	05/24/01	Tissue	Primary	Red-Winged Blackbird	Regional	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EMAY01-35	E0100611	EF023 RWBL 052401	05/24/01	Tissue	Primary	Red-Winged Blackbird	Regional	7782-49-2	ICP, Hydride	Selenium	2.200	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-7-01	0806SEM2	8/6/2001	8/7/2001	10:11
2001 E1	EMAY01-35	E0100612	RWBL AZ030 052301	05/23/01	Tissue	Primary	Red-Winged Blackbird	Background	NA	Gravimetric	Moisture Content	81	1	NA	%	NA	1								
2001 E1	EMAY01-35	E0100612	RWBL AZ030 052301	05/23/01	Tissue	Primary	Red-Winged Blackbird	Background	7782-49-2	ICP, Hydride	Selenium	0.490	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-7-01	0806SEM2	8/6/2001	8/7/2001	10:14
2001 E1	EMAY01-35	E0100613	CR011 AMRO 052401	05/24/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	85	1	NA	%	NA	1								
2001 E1	EMAY01-35	E0100613	CR011 AMRO 052401	05/24/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.560	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-7-01	0806SEM2	8/6/2001	8/7/2001	10:17
2001 E1	EMAY01-35	E0100614	CH050 AMRO 052401	05/24/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EMAY01-35	E0100614	CH050 AMRO 052401	05/24/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.600	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-7-01	0806SEM2	8/6/2001	8/7/2001	10:20
2001 E1	EMAY01-35	E0100614MS	CH050 AMRO 052401	NA	Tissue	MS	NA	NA	7782-49-2	ICP, Hydride	Selenium	101	NA	NA	%				101		VGICP_8-7-01	0806SEM2	8/6/2001	8/7/2001	10:22
2001 E1	EMAY01-35	E0100615	DJ045 RWBL 052401	05/24/01	Tissue	Primary	Red-Winged Blackbird	Background	NA	Gravimetric	Moisture Content	85	1	NA	%	NA	1								
2001 E1	EMAY01-35	E0100615	DJ045 RWBL 052401	05/24/01	Tissue	Primary	Red-Winged Blackbird	Background	7782-49-2	ICP, Hydride	Selenium	0.520	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-7-01	0806SEM2	8/6/2001	8/7/2001	10:25
2001 E1	EMAY01-35	E0100616	CR021 AMRO 052301	05/23/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	86	1	NA	%	NA	1								
2001 E1	EMAY01-35	E0100616	CR021 AMRO 052301	05/23/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.500	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-7-01	0806SEM2	8/6/2001	8/7/2001	10:28
2001 E1	EMAY01-35	E0100616D	CR021 AMRO 052301	05/23/01	Tissue	Lab Dupl	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.520	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-7-01	0806SEM2	8/6/2001	8/7/2001	10:31
2001 E1	EMAY01-35	E0100616SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.427	0.005	MDL	ug/g	Wet Wt	1	0.446	96		VGICP_8-7-01	0806SEM2	8/6/2001	8/7/2001	10:34
2001 E1	EMAY01-35	E0100617	CH024 AMRO 052201	05/22/01	Tissue	Primary	American Robin	Background	NA	Gravimetric	Moisture Content	81	1	NA	%	NA	1								
2001 E1	EMAY01-35	E0100617	CH024 AMRO 052201	05/22/01	Tissue	Primary	American Robin	Background	7782-49-2	ICP, Hydride	Selenium	0.490	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-3-01	0802SEM1	8/1/2001	8/2/2001	11:11
2001 E1	EMAY01-35	E0100617B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	-0.0000336	0.005	MDL	ug/g	Wet Wt	1				VGICP_8-3-01	0802SEM1	8/1/2001	8/2/2001	10:56
2001 E1	EMAY01-35	E0100617BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0485	0.005	MDL	ug/g	Wet Wt	1	0.050	97		VGICP_8-3-01	0802SEM1	8/1/2001	8/2/2001	11:08
2001 E1	EMAY01-35	E0100617CS	Check Standard	NA	Lab QC	ICV	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0489	0.005	MDL	ug/g	Wet Wt	1	0.050	98		VGICP_8-3-01	0802SEM1	8/1/2001	8/2/2001	11:05
2001 E1	EMAY01-35	E0100617D	CH024 AMRO 052201	05/22/01	Tissue	Lab Dupl	American Robin	Background	7782-49-2	ICP, Hydride	Selenium	0.500	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-3-01	0802SEM1	8/1/2001	8/2/2001	11:14
2001 E1	EMAY01-35	E0100617S1	TORT	NA	Tissue	SRM	NA	NA	7782-49-2	ICP, Hydride	Selenium	5.55	0.005	MDL	ug/g	Wet Wt	1	5.63	99		VGICP_8-3-01	0802SEM1	8/1/2001	8/2/2001	10:56
2001 E1	EMAY01-35	E0100617SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.477	0.005	MDL	ug/g	Wet Wt	1	0.446	107		VGICP_8-3-01	0802SEM1	8/1/2001	8/2/2001	11:02
2001 E1	EMAY01-35	E0100618	RV003 AMRO 052201	05/22/01	Tissue	Primary	American Robin	Mine	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EMAY01-35	E0100618	RV003 AMRO 052201	05/22/01	Tissue	Primary	American Robin	Mine	7782-49-2	ICP, Hydride	Selenium	0.840	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-3-01	0802SEM1	8/1/2001	8/2/2001	11:17
2001 E1	EMAY01-35	E0100618D	RV003 AMRO 052201	05/22/01	Tissue	Lab Dupl	American Robin	Mine	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EMAY01-35	E0100619	RWBL AZ002 052501	05/25/01	Tissue	Primary	Red-Winged Blackbird	Regional	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EMAY01-35	E0100619	RWBL AZ002 052501	05/25/01	Tissue	Primary	Red-Winged Blackbird	Regional	7782-49-2	ICP, Hydride	Selenium	0.980	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-3-01	0802SEM1	8/1/2001	8/2/2001	11:20
2001 E1	EMAY01-35	E0100620	CH013 RWBL 052501	05/25/01	Tissue	Primary	Red-Winged Blackbird	Mine	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EMAY01-35	E0100620	CH013 RWBL 052501	05/25/01	Tissue	Primary	Red-Winged Blackbird	Mine	7782-49-2	ICP, Hydride	Selenium	0.700	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-3-01	0802SEM1	8/1/2001	8/2/2001	11:22
2001 E1	EMAY01-35	E0100623	EF020 AMRO 052201	05/22/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EMAY01-35	E0100623	EF020 AMRO 052201	05/22/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.710	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-3-01	0802SEM1	8/1/2001	8/2/2001	11:25
2001 E1	EMAY01-35	E0100623MS	EF020 AMRO 052201	NA	Tissue	MS	NA	NA	7782-49-2	ICP, Hydride	Selenium	89	NA	NA	%				89		VGICP_8-3-01	0802SEM1	8/1/2001	8/2/2001	11:28
2001 E1	EMAY01-35	E0100625	EF027 AMRO 052201	05/22/01	Tissue	Replicate	American Robin	Background	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EMAY01-35	E0100625	EF027 AMRO 052201	05/22/01	Tissue	Replicate	American Robin	Background	7782-49-2	ICP, Hydride	Selenium	0.400	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-3-01	0802SEM1	8/1/2001	8/2/2001	11:31
2001 E1	EMAY01-35	E0100625-2	EF027 AMRO 052201	05/22/01	Tissue	Replicate	American Robin	Background	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EMAY01-35	E0100625-2	EF027 AMRO 052201	05/22/01	Tissue	Replicate	American Robin	Background	7782-49-2	ICP, Hydride	Selenium	0.380	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-3-01	0802SEM1	8/1/2001	8/2/2001	11:34
2001 E1	EMAY01-35	E0100626	EF010 AMRO 051701	05/17/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	85	1	NA	%	NA	1								

Event	UIASL Case #	UIASL Sample ID	Field Sample ID	Collection Date	Matrix	QC Type	Common Name	Spatial Relevance	CAS #	Method	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% Rec	QC Flag	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
2001 E1	EMAY01-35	E0100626	EF010 AMRO 051701	05/17/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.410	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-3-01	0802SEM1	8/1/2001	8/2/2001	11:37
2001 E1	EMAY01-35	E0100627	CH017 AMRO 052101	05/21/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EMAY01-35	E0100627	CH017 AMRO 052101	05/21/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.530	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-3-01	0802SEM1	8/1/2001	8/2/2001	12:11
2001 E1	EMAY01-35	E0100627D	CH017 AMRO 052101	05/21/01	Tissue	Lab Dupl	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.480	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-3-01	0802SEM1	8/1/2001	8/2/2001	12:14
2001 E1	EMAY01-35	E0100628	AMRO AZ005 052001	05/20/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EMAY01-35	E0100628	AMRO AZ005 052001	05/20/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.520	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-3-01	0802SEM1	8/1/2001	8/2/2001	12:17
2001 E1	EMAY01-35	E0100628D	AMRO AZ005 052001	05/20/01	Tissue	Lab Dupl	American Robin	Regional	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EMAY01-35	E0100628SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.490	0.005	MDL	ug/g	Wet Wt	1	0.446	110		VGICP_8-3-01	0802SEM1	8/1/2001	8/2/2001	12:19
2001 E1	EMAY01-35	E0100629	SF009 AMRO 052201	05/22/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EMAY01-35	E0100629	SF009 AMRO 052201	05/22/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.460	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-3-01	0802SEM1	8/1/2001	8/2/2001	11:39
2001 E1	EMAY01-35	E0100629B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.000123	0.005	MDL	ug/g	Wet Wt	1				VGICP_8-3-01	0802SEM1	8/1/2001	8/2/2001	11:45
2001 E1	EMAY01-35	E0100629BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0494	0.005	MDL	ug/g	Wet Wt	1	0.050	99		VGICP_8-3-01	0802SEM1	8/1/2001	8/2/2001	11:51
2001 E1	EMAY01-35	E0100629CS	Check Standard	NA	Lab QC	ICV	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.302	0.005	MDL	ug/g	Wet Wt	1	0.300	101		VGICP_8-3-01	0802SEM1	8/1/2001	8/2/2001	11:48
2001 E1	EMAY01-35	E0100629MS	SF009 AMRO 052201	NA	Tissue	MS	NA	NA	7782-49-2	ICP, Hydride	Selenium	108	NA	NA	%				108		VGICP_8-3-01	0802SEM1	8/1/2001	8/2/2001	11:42
2001 E1	EMAY01-35	E0100629SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.465	0.005	MDL	ug/g	Wet Wt	1	0.446	104		VGICP_8-3-01	0802SEM1	8/1/2001	8/2/2001	11:54
2001 E1	EMAY01-38	E0100635	SF023 AMRO 052901	05/29/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EMAY01-38	E0100635	SF023 AMRO 052901	05/29/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.690	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-3-01	0802SEM1	8/1/2001	8/2/2001	11:57
2001 E1	EMAY01-38	E0100636	CR024 RWBL 052701	05/27/01	Tissue	Primary	ted-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	85	1	NA	%	NA	1								
2001 E1	EMAY01-38	E0100636	CR024 RWBL 052701	05/27/01	Tissue	Primary	ted-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.450	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-3-01	0802SEM1	8/1/2001	8/2/2001	12:00
2001 E1	EMAY01-38	E0100637	DJ033 RWBL 052701	05/27/01	Tissue	Primary	ted-Winged Blackbir	Background	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EMAY01-38	E0100637	DJ033 RWBL 052701	05/27/01	Tissue	Primary	ted-Winged Blackbir	Background	7782-49-2	ICP, Hydride	Selenium	0.410	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-3-01	0802SEM1	8/1/2001	8/2/2001	12:02
2001 E1	EMAY01-38	E0100638	CR037 RWBL 052701	05/27/01	Tissue	Primary	ted-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EMAY01-38	E0100638	CR037 RWBL 052701	05/27/01	Tissue	Primary	ted-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.610	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-3-01	0802SEM1	8/1/2001	8/2/2001	12:05
2001 E1	EMAY01-38	E0100639	RWBL AZ035 052801	05/28/01	Tissue	Primary	ted-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EMAY01-38	E0100639	RWBL AZ035 052801	05/28/01	Tissue	Primary	ted-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	2.600	0.01	MDL	ug/g	Wet Wt	10				VGICP_8-3-01	0802SEM1	8/1/2001	8/2/2001	12:23
2001 E1	EMAY01-38	E0100640	CH016 RWBL 052801	05/28/01	Tissue	Primary	ted-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EMAY01-38	E0100640	CH016 RWBL 052801	05/28/01	Tissue	Primary	ted-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	3.100	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-2-01	0802SEM	8/2/2001	8/2/2001	10:02
2001 E1	EMAY01-38	E0100640B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	-0.00115	0.005	MDL	ug/g	Wet Wt	1				VGICP_8-2-01	0802SEM	8/2/2001	8/2/2001	9:53
2001 E1	EMAY01-38	E0100640BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0492	0.005	MDL	ug/g	Wet Wt	1	0.050	98		VGICP_8-2-01	0802SEM	8/2/2001	8/2/2001	9:59
2001 E1	EMAY01-38	E0100640CS	Check Standard	NA	Lab QC	ICV	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0498	0.005	MDL	ug/g	Wet Wt	1	0.050	100		VGICP_8-2-01	0802SEM	8/2/2001	8/2/2001	9:56
2001 E1	EMAY01-38	E0100640S1	TORT	NA	Tissue	SRM	NA	NA	7782-49-2	ICP, Hydride	Selenium	5.28	0.005	MDL	ug/g	Wet Wt	1	5.63	94		VGICP_8-2-01	0802SEM	8/2/2001	8/2/2001	9:47
2001 E1	EMAY01-38	E0100640SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.422	0.005	MDL	ug/g	Wet Wt	1	0.446	95		VGICP_8-2-01	0802SEM	8/2/2001	8/2/2001	9:50
2001 E1	EMAY01-38	E0100641	RV032 AMRO 052601	05/26/01	Tissue	Replicate	American Robin	Regional	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EMAY01-38	E0100641	RV032 AMRO 052601	05/26/01	Tissue	Replicate	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.540	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-2-01	0802SEM	8/2/2001	8/2/2001	10:05
2001 E1	EMAY01-38	E0100641-2	RV032 AMRO 052601	05/26/01	Tissue	Replicate	American Robin	Regional	NA	Gravimetric	Moisture Content	85	1	NA	%	NA	1								
2001 E1	EMAY01-38	E0100641-2	RV032 AMRO 052601	05/26/01	Tissue	Replicate	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.520	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-2-01	0802SEM	8/2/2001	8/2/2001	10:08
2001 E1	EMAY01-38	E0100645	CR029 RWBL 052601	05/26/01	Tissue	Primary	ted-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	81	1	NA	%	NA	1								
2001 E1	EMAY01-38	E0100645	CR029 RWBL 052601	05/26/01	Tissue	Primary	ted-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.770	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-2-01	0802SEM	8/2/2001	8/2/2001	10:11
2001 E1	EMAY01-38	E0100646	EF009 RWBL 052501	05/25/01	Tissue	Primary	ted-Winged Blackbir	Mine	NA	Gravimetric	Moisture Content	88	1	NA	%	NA	1								
2001 E1	EMAY01-38	E0100646	EF009 RWBL 052501	05/25/01	Tissue	Primary	ted-Winged Blackbir	Mine	7782-49-2	ICP, Hydride	Selenium	0.400	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-2-01	0802SEM	8/2/2001	8/2/2001	10:13
2001 E1	EMAY01-38	E0100646D	EF009 RWBL 052501	05/25/01	Tissue	Lab Dupl	ted-Winged Blackbir	Mine	NA	Gravimetric	Moisture Content	88	1	NA	%	NA	1								
2001 E1	EMAY01-38	E0100647	SF024 AMRO 052601	05/26/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	88	1	NA	%	NA	1								
2001 E1	EMAY01-38	E0100647	SF024 AMRO 052601	05/26/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.240	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-2-01	0802SEM	8/2/2001	8/2/2001	10:16
2001 E1	EMAY01-38	E0100647MS	SF024 AMRO 052601	NA	Tissue	MS	NA	NA	7782-49-2	ICP, Hydride	Selenium	108	NA	NA	%				108		VGICP_8-2-01	0802SEM	8/2/2001	8/2/2001	10:19
2001 E1	EMAY01-38	E0100649	CH030 RWBL 052501	05/25/01	Tissue	Primary	ted-Winged Blackbir	Mine	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EMAY01-38	E0100649	CH030 RWBL 052501	05/25/01	Tissue	Primary	ted-Winged Blackbir	Mine	7782-49-2	ICP, Hydride	Selenium	3.600	0.01	MDL	ug/g	Wet Wt	10				VGICP_8-2-01	0802SEM	8/2/2001	8/2/2001	13:11
2001 E1	EMAY01-38	E0100651	CH028 AMRO 052501	05/25/01	Tissue	Primary	American Robin	Background	NA	Gravimetric	Moisture Content	87	1	NA	%	NA	1								
2001 E1	EMAY01-38	E0100651	CH028 AMRO 052501	05/25/01	Tissue	Primary	American Robin	Background	7782-49-2	ICP, Hydride	Selenium	0.400	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-2-01	0802SEM	8/2/2001	8/2/2001	13:14
2001 E1	EMAY01-38	E0100654	EF014 AMRO 052601	05/26/01	Tissue	Replicate	American Robin	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EMAY01-38	E0100654	EF014 AMRO 052601	05/26/01	Tissue	Replicate	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.750	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-2-01	0802SEM	8/2/2001	8/2/2001	10:28
2001 E1	EMAY01-38	E0100654-2	EF014 AMRO 052601	05/26/01	Tissue	Replicate	American Robin	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EMAY01-38	E0100654-2	EF014 AMRO 052601	05/26/01	Tissue	Replicate	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.780	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-2-01	0802SEM	8/2/2001	8/2/2001	10:31
2001 E1	EMAY01-38	E0100655	RWBL AZ023 052501	05/25/01	Tissue	Primary	ted-Winged Blackbir	Mine	NA	Gravimetric	Moisture Content	81	1	NA	%	NA	1								
2001 E1	EMAY01-38	E0100655	RWBL AZ023 052501	05/25/01	Tissue	Primary	ted-Winged Blackbir	Mine	7782-49-2	ICP, Hydride	Selenium	0.600	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-2-01	0802SEM	8/2/2001	8/2/2001	10:34
2001 E1	EMAY01-38	E0100655D	RWBL AZ023 052501	05/25/01	Tissue	Lab Dupl	ted-Winged Blackbir	Mine	7782-49-2	ICP, Hydride	Selenium	0.600	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-2-01	0802SEM	8/2/2001	8/2/2001	10:37
2001 E1	EMAY01-38	E0100658	RV012 RWBL 052901	05/29/01	Tissue	Primary	ted-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EMAY01-38	E0100658	RV012 RWBL 052901	05/29/01	Tissue	Primary	ted-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.470	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-2-01	0802SEM	8/2/2001	8/2/2001	10:40
2001 E1	EMAY01-38	E0100659	RV041 AMRO 052901	05/29/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EMAY01-38	E0100659	RV041 AMRO 052901	05/29/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.540	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-2-01	0802SEM	8/2/2001	8/2/2001	10:43
2001 E1	EMAY01-38	E0100660	SF045 RWBL 052901	05/29/01	Tissue	Primary	ted-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EMAY01-38	E0100660	SF045 RWBL 052901	05/29/01	Tissue	Primary	ted-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.470	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-2-01	0802SEM	8/2/2001	8/2/2001	10:45
2001 E1	EMAY01-38	E0100661	SF017 RWBL 052801	05/28/01	Tissue	Primary	ted-Winged Blackbir	Mine	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EMAY01-38	E0100661	SF017 RWBL 052801	05/28/01	Tissue	Primary	ted-Winged Blackbir	Mine	7782-49-2	ICP, Hydride	Selenium	2.600	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-2-01	0802SEM	8/2/2001	8/2/2001	10:48
2001 E1	EMAY01-38	E0100661D	SF017 RWBL 052801	05/28/01	Tissue	Lab Dupl	ted-Winged Blackbir	Mine	7782-49-2	ICP, Hydride	Selenium	2.500	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-2-01	0802SEM	8/2/2001	8/2/2001	10:51
2001 E1	EMAY01-38	E0100661SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.499	0.005	MDL	ug/g	Wet Wt	1	0.446	112		VGICP_8-2-01	0802SEM	8/2/2001	8/2/2001	10:54

Event	UIASL Case #	UIASL Sample ID	Field Sample ID	Collection Date	Matrix	QC Type	Common Name	Spatial Relevance	CAS #	Method	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% Rec	QC Flag	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
2001 E1	EMAY01-38	E0100662	RV033 RWBL 052901	05/29/01	Tissue	Primary	ted-Winged Blackbir	Background	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EMAY01-38	E0100662	RV033 RWBL 052901	05/29/01	Tissue	Primary	ted-Winged Blackbir	Background	7782-49-2	ICP, Hydride	Selenium	0.460	0.01	MDL	ug/g	Wet Wt	1				VGICP_8_7_01A	0807SEM	8/7/2001	8/7/2001	14:45
2001 E1	EMAY01-38	E0100662B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	-0.000232	0.005	MDL	ug/g	Wet Wt	1				VGICP_8_7_01A	0807SEM	8/7/2001	8/7/2001	14:31
2001 E1	EMAY01-38	E0100662BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0515	0.005	MDL	ug/g	Wet Wt	1	0.050	103		VGICP_8_7_01A	0807SEM	8/7/2001	8/7/2001	14:37
2001 E1	EMAY01-38	E0100662CS	Check Standard	NA	Lab QC	ICV	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0494	0.005	MDL	ug/g	Wet Wt	1	0.050	99		VGICP_8_7_01A	0807SEM	8/7/2001	8/7/2001	14:34
2001 E1	EMAY01-38	E0100662D	RV033 RWBL 052901	05/29/01	Tissue	Lab Dupl	ted-Winged Blackbir	Background	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EMAY01-38	E0100662S1	TORT	NA	Tissue	SRM	NA	NA	7782-49-2	ICP, Hydride	Selenium	5.50	0.005	MDL	ug/g	Wet Wt	1	5.63	98		VGICP_8_7_01A	0807SEM	8/7/2001	8/7/2001	14:25
2001 E1	EMAY01-38	E0100662SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.475	0.005	MDL	ug/g	Wet Wt	1	0.446	107		VGICP_8_7_01A	0807SEM	8/7/2001	8/7/2001	14:28
2001 E1	EMAY01-38	E0100663	EF040 RWBL 052901	05/29/01	Tissue	Primary	ted-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EMAY01-38	E0100663	EF040 RWBL 052901	05/29/01	Tissue	Primary	ted-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.700	0.01	MDL	ug/g	Wet Wt	1				VGICP_8_7_01A	0807SEM	8/7/2001	8/7/2001	14:48
2001 E1	EMAY01-38	E0100664	EF039 RWBL 052901	05/29/01	Tissue	Primary	ted-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	78	1	NA	%	NA	1								
2001 E1	EMAY01-38	E0100664	EF039 RWBL 052901	05/29/01	Tissue	Primary	ted-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.700	0.01	MDL	ug/g	Wet Wt	1				VGICP_8_7_01A	0807SEM	8/7/2001	8/7/2001	14:51
2001 E1	EMAY01-38	E0100665	CR046 RWBL 052901	05/29/01	Tissue	Primary	ted-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EMAY01-38	E0100665	CR046 RWBL 052901	05/29/01	Tissue	Primary	ted-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.630	0.01	MDL	ug/g	Wet Wt	1				VGICP_8_7_01A	0807SEM	8/7/2001	8/7/2001	14:54
2001 E1	EMAY01-38	E0100665MS	CR046 RWBL 052901	NA	Tissue	MS	NA	NA	7782-49-2	ICP, Hydride	Selenium	112	NA	NA	%				112		VGICP_8_7_01A	0807SEM	8/7/2001	8/7/2001	14:56
2001 E1	EMAY01-38	E0100666	RWBL AZ037 052901	05/29/01	Tissue	Primary	ted-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EMAY01-38	E0100666	RWBL AZ037 052901	05/29/01	Tissue	Primary	ted-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.660	0.01	MDL	ug/g	Wet Wt	1				VGICP_8_7_01A	0807SEM	8/7/2001	8/7/2001	14:59
2001 E1	EMAY01-38	E0100667	DJ038 RWBL 050701	05/07/01	Tissue	Primary	ted-Winged Blackbir	Background	NA	Gravimetric	Moisture Content	85	1	NA	%	NA	1								
2001 E1	EMAY01-38	E0100667	DJ038 RWBL 050701	05/07/01	Tissue	Primary	ted-Winged Blackbir	Background	7782-49-2	ICP, Hydride	Selenium	0.580	0.01	MDL	ug/g	Wet Wt	1				VGICP_8_7_01A	0807SEM	8/7/2001	8/7/2001	15:02
2001 E1	EMAY01-38	E0100667D	DJ038 RWBL 050701	05/07/01	Tissue	Lab Dupl	ted-Winged Blackbir	Background	7782-49-2	ICP, Hydride	Selenium	0.560	0.01	MDL	ug/g	Wet Wt	1				VGICP_8_7_01A	0807SEM	8/7/2001	8/7/2001	15:05
2001 E1	EMAY01-38	E0100668	CR014 RWBL 052601	05/26/01	Tissue	Primary	ted-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EMAY01-38	E0100668	CR014 RWBL 052601	05/26/01	Tissue	Primary	ted-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.440	0.01	MDL	ug/g	Wet Wt	1				VGICP_8_7_01A	0807SEM	8/7/2001	8/7/2001	15:08
2001 E1	EMAY01-38	E0100669	CH068 RWBL 052701	05/27/01	Tissue	Primary	ted-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EMAY01-38	E0100669	CH068 RWBL 052701	05/27/01	Tissue	Primary	ted-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.450	0.01	MDL	ug/g	Wet Wt	1				VGICP_8_7_01A	0807SEM	8/7/2001	8/7/2001	15:14
2001 E1	EMAY01-38	E0100669B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	-0.000359	0.005	MDL	ug/g	Wet Wt	1				VGICP_8_7_01A	0807SEM	8/7/2001	8/7/2001	15:17
2001 E1	EMAY01-38	E0100669BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.050	0.005	MDL	ug/g	Wet Wt	1	0.050	100		VGICP_8_7_01A	0807SEM	8/7/2001	8/7/2001	15:23
2001 E1	EMAY01-38	E0100669CS	Check Standard	NA	Lab QC	ICV	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0494	0.005	MDL	ug/g	Wet Wt	1	0.050	99		VGICP_8_7_01A	0807SEM	8/7/2001	8/7/2001	15:20
2001 E1	EMAY01-38	E0100669SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.443	0.005	MDL	ug/g	Wet Wt	1	0.446	99		VGICP_8_7_01A	0807SEM	8/7/2001	8/7/2001	15:26
2001 E1	EMAY01-38	E0100670	RV039 AMRO 052901	05/29/01	Tissue	Replicate	American Robin	Regional	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EMAY01-38	E0100670	RV039 AMRO 052901	05/29/01	Tissue	Replicate	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.460	0.01	MDL	ug/g	Wet Wt	1				VGICP_8_7_01A	0807SEM	8/7/2001	8/7/2001	15:29
2001 E1	EMAY01-38	E0100670-2	RV039 AMRO 052901	05/29/01	Tissue	Replicate	American Robin	Regional	NA	Gravimetric	Moisture Content	85	1	NA	%	NA	1								
2001 E1	EMAY01-38	E0100670-2	RV039 AMRO 052901	05/29/01	Tissue	Replicate	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.420	0.01	MDL	ug/g	Wet Wt	1				VGICP_8_7_01A	0807SEM	8/7/2001	8/7/2001	15:31
2001 E1	EMAY01-38	E0100672	DJ039 RWBL 052701	05/27/01	Tissue	Primary	ted-Winged Blackbir	Background	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EMAY01-38	E0100672	DJ039 RWBL 052701	05/27/01	Tissue	Primary	ted-Winged Blackbir	Background	7782-49-2	ICP, Hydride	Selenium	0.650	0.01	MDL	ug/g	Wet Wt	1				VGICP_8_7_01A	0807SEM	8/7/2001	8/7/2001	15:34
2001 E1	EMAY01-38	E0100673	CH037 RWBL 052801	05/28/01	Tissue	Primary	ted-Winged Blackbir	Mine	NA	Gravimetric	Moisture Content	88	1	NA	%	NA	1								
2001 E1	EMAY01-38	E0100673	CH037 RWBL 052801	05/28/01	Tissue	Primary	ted-Winged Blackbir	Mine	7782-49-2	ICP, Hydride	Selenium	0.800	0.01	MDL	ug/g	Wet Wt	1				VGICP_8_7_01A	0807SEM	8/7/2001	8/7/2001	15:37
2001 E1	EMAY01-38	E0100673D	CH037 RWBL 052801	05/28/01	Tissue	Lab Dupl	ted-Winged Blackbir	Mine	7782-49-2	ICP, Hydride	Selenium	0.810	0.01	MDL	ug/g	Wet Wt	1				VGICP_8_7_01A	0807SEM	8/7/2001	8/7/2001	15:40
2001 E1	EMAY01-38	E0100674	CH060 RWBL 052901	05/29/01	Tissue	Primary	ted-Winged Blackbir	Background	NA	Gravimetric	Moisture Content	87	1	NA	%	NA	1								
2001 E1	EMAY01-38	E0100674	CH060 RWBL 052901	05/29/01	Tissue	Primary	ted-Winged Blackbir	Background	7782-49-2	ICP, Hydride	Selenium	0.330	0.01	MDL	ug/g	Wet Wt	1				VGICP_8_7_01A	0807SEM	8/7/2001	8/7/2001	15:43
2001 E1	EMAY01-38	E0100675	RWBL AZ039 050601	05/06/01	Tissue	Primary	ted-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EMAY01-38	E0100675	RWBL AZ039 050601	05/06/01	Tissue	Primary	ted-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.590	0.01	MDL	ug/g	Wet Wt	1				VGICP_8_7_01A	0807SEM	8/7/2001	8/7/2001	15:46
2001 E1	EMAY01-38	E0100676	CH057 RWBL 052801	05/28/01	Tissue	Primary	ted-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EMAY01-38	E0100676	CH057 RWBL 052801	05/28/01	Tissue	Primary	ted-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	1.200	0.01	MDL	ug/g	Wet Wt	1				VGICP_8_7_01A	0807SEM	8/7/2001	8/7/2001	15:49
2001 E1	EMAY01-38	E0100676SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.431	0.005	MDL	ug/g	Wet Wt	1	0.446	97		VGICP_8_7_01A	0807SEM	8/7/2001	8/7/2001	15:52
2001 E1	EMAY01-38	E0100677	CH069 AMRO 052801	05/28/01	Tissue	Primary	American Robin	Background	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EMAY01-38	E0100677	CH069 AMRO 052801	05/28/01	Tissue	Primary	American Robin	Background	7782-49-2	ICP, Hydride	Selenium	0.490	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-9-01	0809SEH	8/9/2001	8/9/2001	11:57
2001 E1	EMAY01-38	E0100677BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0492	0.005	MDL	ug/g	Wet Wt	1	0.050	98		VGICP_8-9-01	0809SEH	8/9/2001	8/9/2001	11:55
2001 E1	EMAY01-38	E0100677S1	TORT	NA	Tissue	SRM	NA	NA	7782-49-2	ICP, Hydride	Selenium	5.37	0.005	MDL	ug/g	Wet Wt	1	5.63	95		VGICP_8-9-01	0809SEH	8/9/2001	8/9/2001	10:25
2001 E1	EMAY01-38	E0100677SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.424	0.005	MDL	ug/g	Wet Wt	1	0.446	95		VGICP_8-9-01	0809SEH	8/9/2001	8/9/2001	11:52
2001 E1	EMAY01-38	E0100678	AMRO AZ038 052601	05/26/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EMAY01-38	E0100678	AMRO AZ038 052601	05/26/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.530	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-9-01	0809SEH	8/9/2001	8/9/2001	12:00
2001 E1	EMAY01-38	E0100678MS	AMRO AZ038 052601	NA	Tissue	MS	NA	NA	7782-49-2	ICP, Hydride	Selenium	117	NA	NA	%				117		VGICP_8-9-01	0809SEH	8/9/2001	8/9/2001	12:03
2001 E1	EMAY01-38	E0100679	RWBL AZ017 052601	05/26/01	Tissue	Primary	ted-Winged Blackbir	Background	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EMAY01-38	E0100679	RWBL AZ017 052601	05/26/01	Tissue	Primary	ted-Winged Blackbir	Background	7782-49-2	ICP, Hydride	Selenium	1.000	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-9-01	0809SEH	8/9/2001	8/9/2001	12:06
2001 E1	EMAY01-38	E0100679D	RWBL AZ017 052601	05/26/01	Tissue	Lab Dupl	ted-Winged Blackbir	Background	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EMAY01-38	E0100680	DJ086 RWBL 052901	05/29/01	Tissue	Primary	ted-Winged Blackbir	Background	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EMAY01-38	E0100680	DJ086 RWBL 052901	05/29/01	Tissue	Primary	ted-Winged Blackbir	Background	7782-49-2	ICP, Hydride	Selenium	0.760	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-9-01	0809SEH	8/9/2001	8/9/2001	12:09
2001 E1	EMAY01-38	E0100680D	DJ086 RWBL 052901	05/29/01	Tissue	Lab Dupl	ted-Winged Blackbir	Background	7782-49-2	ICP, Hydride	Selenium	0.720	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-9-01	0809SEH	8/9/2001	8/9/2001	12:12
2001 E1	EMAY01-38	E0100680SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.414	0.005	MDL	ug/g	Wet Wt	1	0.446	93		VGICP_8-9-01	0809SEH	8/9/2001	8/9/2001	12:15
2001 E1	EJUN01-01	E0100681	CR056 AMRO 060201	06/02/01	Tissue	Replicate	American Robin	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUN01-01	E0100681	CR056 AMRO 060201	06/02/01	Tissue	Replicate	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.770	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-12-01A	0911SEM	9/11/2001	9/12/2001	10:58
2001 E1	EJUN01-01	E0100681-2	CR056 AMRO 060201	06/02/01	Tissue	Replicate	American Robin	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUN01-01	E0100681-2	CR056 AMRO 060201	06/02/01	Tissue	Replicate	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.750	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-12-01A	0911SEM	9/11/2001	9/12/2001	11:01
2001 E1	EJUN01-01	E0100681B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	-0.00038	0.005	MDL	ug/g	Wet Wt	1				VGICP_9-12-01A	0911SEM	9/11/2001	9/12/2001	10:42
2001 E1	EJUN01-01	E0100681BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.051	0.005	MDL	ug/g	Wet Wt	1	0.050	102		VGICP_9-12-01A	0911SEM	9/11/2001	9/12/2001	10:53

Event	UIASL Case #	UIASL Sample ID	Field Sample ID	Collection Date	Matrix	QC Type	Common Name	Spatial Relevance	CAS #	Method	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% Rec	QC Flag	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
2001 E1	EJUN01-01	E0100681CS	Check Standard	NA	Lab QC	ICV	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.051	0.005	MDL	ug/g	Wet Wt	1	0.050	102		VGICP_9-12-01A	0911SEM	9/11/2001	9/12/2001	10:52
2001 E1	EJUN01-01	E0100681SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.425	0.005	MDL	ug/g	Wet Wt	1	0.446	95		VGICP_9-12-01A	0911SEM	9/11/2001	9/12/2001	10:42
2001 E1	EJUN01-01	E0100682	RV009 RWBL 060301	06/03/01	Tissue	Primary	ted-Winged Blackbir	Mine	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EJUN01-01	E0100682	RV009 RWBL 060301	06/03/01	Tissue	Primary	ted-Winged Blackbir	Mine	7782-49-2	ICP, Hydride	Selenium	0.590	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-12-01A	0911SEM	9/11/2001	9/12/2001	11:04
2001 E1	EJUN01-01	E0100682D	RV009 RWBL 060301	06/03/01	Tissue	Lab Dupl	ted-Winged Blackbir	Mine	7782-49-2	ICP, Hydride	Selenium	0.560	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-12-01A	0911SEM	9/11/2001	9/12/2001	11:07
2001 E1	EJUN01-01	E0100683	CH048 RWBL 060201	06/02/01	Tissue	Primary	ted-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EJUN01-01	E0100683	CH048 RWBL 060201	06/02/01	Tissue	Primary	ted-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.600	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-12-01A	0911SEM	9/11/2001	9/12/2001	11:10
2001 E1	EJUN01-01	E0100684	EF048 RWBL 060201	06/02/01	Tissue	Primary	ted-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EJUN01-01	E0100684	EF048 RWBL 060201	06/02/01	Tissue	Primary	ted-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.620	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-12-01A	0911SEM	9/11/2001	9/12/2001	11:12
2001 E1	EJUN01-01	E0100685	RWBL AZ034 060301	06/03/01	Tissue	Primary	ted-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
2001 E1	EJUN01-01	E0100685	RWBL AZ034 060301	06/03/01	Tissue	Primary	ted-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	2.700	0.01	MDL	ug/g	Wet Wt	10				VGICP_9-12-01A	0911SEM	9/11/2001	9/12/2001	11:37
2001 E1	EJUN01-01	E0100685MS	RWBL AZ034 060301	NA	Tissue	MS	NA	NA	7782-49-2	ICP, Hydride	Selenium	108	NA	NA	%				108		VGICP_9-12-01A	0911SEM	9/11/2001	9/12/2001	11:40
2001 E1	EJUN01-01	E0100686	CH049 AMRO 060201	06/02/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	85	1	NA	%	NA	1								
2001 E1	EJUN01-01	E0100686	CH049 AMRO 060201	06/02/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.500	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-12-01A	0911SEM	9/11/2001	9/12/2001	11:22
2001 E1	EJUN01-01	E0100688	EF049 RWBL 060201	06/02/01	Tissue	Primary	ted-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EJUN01-01	E0100688	EF049 RWBL 060201	06/02/01	Tissue	Primary	ted-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.470	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-12-01A	0911SEM	9/11/2001	9/12/2001	11:25
2001 E1	EJUN01-01	E0100690	AMRO AZ051 060301	06/03/01	Tissue	Replicate	American Robin	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUN01-01	E0100690	AMRO AZ051 060301	06/03/01	Tissue	Replicate	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.430	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-12-01A	0911SEM	9/11/2001	9/12/2001	11:28
2001 E1	EJUN01-01	E0100690-2	AMRO AZ051 060301	06/03/01	Tissue	Replicate	American Robin	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUN01-01	E0100690-2	AMRO AZ051 060301	06/03/01	Tissue	Replicate	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.420	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-12-01A	0911SEM	9/11/2001	9/12/2001	11:31
2001 E1	EJUN01-01	E0100691	EF047 RWBL 060201	06/02/01	Tissue	Primary	ted-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUN01-01	E0100691	EF047 RWBL 060201	06/02/01	Tissue	Primary	ted-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.580	0.01	MDL	ug/g	Wet Wt	1				VGICP-9-12-01B	0912SEM	9/12/2001	9/12/2001	13:53
2001 E1	EJUN01-01	E0100691B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	-0.000112	0.005	MDL	ug/g	Wet Wt	1				VGICP-9-12-01B	0912SEM	9/12/2001	9/12/2001	13:37
2001 E1	EJUN01-01	E0100691BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0506	0.005	MDL	ug/g	Wet Wt	1	0.050	101		VGICP-9-12-01B	0912SEM	9/12/2001	9/12/2001	13:50
2001 E1	EJUN01-01	E0100691CS	Check Standard	NA	Lab QC	ICV	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0504	0.005	MDL	ug/g	Wet Wt	1	0.050	101		VGICP-9-12-01B	0912SEM	9/12/2001	9/12/2001	13:47
2001 E1	EJUN01-01	E0100691S1	TORT	NA	Tissue	SRM	NA	NA	7782-49-2	ICP, Hydride	Selenium	5.12	0.005	MDL	ug/g	Wet Wt	1	5.63	91		VGICP-9-12-01B	0912SEM	9/12/2001	9/12/2001	13:37
2001 E1	EJUN01-01	E0100691SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.412	0.005	MDL	ug/g	Wet Wt	1	0.446	92		VGICP-9-12-01B	0912SEM	9/12/2001	9/12/2001	13:37
2001 E1	EJUN01-01	E0100692	SF041 RWBL 060201	06/02/01	Tissue	Primary	ted-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUN01-01	E0100692	SF041 RWBL 060201	06/02/01	Tissue	Primary	ted-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.900	0.01	MDL	ug/g	Wet Wt	1				VGICP-9-12-01B	0912SEM	9/12/2001	9/12/2001	13:56
2001 E1	EJUN01-01	E0100692D	SF041 RWBL 060201	06/02/01	Tissue	Lab Dupl	ted-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EJUN01-01	E0100693	DJ066 RWBL 053101	05/31/01	Tissue	Primary	ted-Winged Blackbir	Mine	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUN01-01	E0100693	DJ066 RWBL 053101	05/31/01	Tissue	Primary	ted-Winged Blackbir	Mine	7782-49-2	ICP, Hydride	Selenium	0.790	0.01	MDL	ug/g	Wet Wt	1				VGICP-9-12-01B	0912SEM	9/12/2001	9/12/2001	13:59
2001 E1	EJUN01-01	E0100693MS	DJ066 RWBL 053101	NA	Tissue	MS	NA	NA	7782-49-2	ICP, Hydride	Selenium	105	NA	NA	%				105		VGICP-9-12-01B	0912SEM	9/12/2001	9/12/2001	14:02
2001 E1	EJUN01-01	E0100694	RV030 RWBL 053001	05/30/01	Tissue	Primary	ted-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								13:59
2001 E1	EJUN01-01	E0100694	RV030 RWBL 053001	05/30/01	Tissue	Primary	ted-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.610	0.01	MDL	ug/g	Wet Wt	1				VGICP-9-12-01B	0912SEM	9/12/2001	9/12/2001	14:05
2001 E1	EJUN01-01	E0100695	RV034 RWBL 060101	06/01/01	Tissue	Primary	ted-Winged Blackbir	Background	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EJUN01-01	E0100695	RV034 RWBL 060101	06/01/01	Tissue	Primary	ted-Winged Blackbir	Background	7782-49-2	ICP, Hydride	Selenium	0.410	0.01	MDL	ug/g	Wet Wt	1				VGICP-9-12-01B	0912SEM	9/12/2001	9/12/2001	14:07
2001 E1	EJUN01-01	E0100695D	RV034 RWBL 060101	06/01/01	Tissue	Lab Dupl	ted-Winged Blackbir	Background	7782-49-2	ICP, Hydride	Selenium	0.400	0.01	MDL	ug/g	Wet Wt	1				VGICP-9-12-01B	0912SEM	9/12/2001	9/12/2001	14:10
2001 E1	EJUN01-01	E0100696	CH058 RWBL 053101	05/31/01	Tissue	Primary	ted-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EJUN01-01	E0100696	CH058 RWBL 053101	05/31/01	Tissue	Primary	ted-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.640	0.01	MDL	ug/g	Wet Wt	1				VGICP-9-12-01B	0912SEM	9/12/2001	9/12/2001	14:13
2001 E1	EJUN01-01	E0100697	AMRO AZ052 053101	05/31/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EJUN01-01	E0100697	AMRO AZ052 053101	05/31/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.410	0.01	MDL	ug/g	Wet Wt	1				VGICP-9-12-01B	0912SEM	9/12/2001	9/12/2001	14:16
2001 E1	EJUN01-01	E0100698	CH039 AMRO 060101	06/01/01	Tissue	Replicate	American Robin	Regional	NA	Gravimetric	Moisture Content	81	1	NA	%	NA	1								
2001 E1	EJUN01-01	E0100698	O 060101 (CH040 AMR	06/01/01	Tissue	Replicate	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.450	0.01	MDL	ug/g	Wet Wt	1				VGICP-9-12-01B	0912SEM	9/12/2001	9/12/2001	14:19
2001 E1	EJUN01-01	E0100698-2	CH039 AMRO 060101	06/01/01	Tissue	Replicate	American Robin	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUN01-01	E0100698-2	CH039 AMRO 060101	06/01/01	Tissue	Replicate	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.430	0.01	MDL	ug/g	Wet Wt	1				VGICP-9-12-01B	0912SEM	9/12/2001	9/12/2001	14:22
2001 E1	EJUN01-01	E0100699	CH056 RWBL 053101	05/31/01	Tissue	Primary	ted-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUN01-01	E0100699	CH056 RWBL 053101	05/31/01	Tissue	Primary	ted-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.760	0.01	MDL	ug/g	Wet Wt	1				VGICP-9-12-01B	0912SEM	9/12/2001	9/12/2001	14:25
2001 E1	EJUN01-01	E010069SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.398	0.005	MDL	ug/g	Wet Wt	1	0.446	89		VGICP_9-12-01A	0911SEM	9/11/2001	9/12/2001	11:34
2001 E1	EJUN01-01	E0100700	CH038 AMRO 060101	06/01/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUN01-01	E0100700	CH038 AMRO 060101	06/01/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.470	0.01	MDL	ug/g	Wet Wt	1				VGICP-9-12-01B	0912SEM	9/12/2001	9/12/2001	14:28
2001 E1	EJUN01-01	E0100700D	CH038 AMRO 060101	06/01/01	Tissue	Lab Dupl	American Robin	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUN01-01	E0100700D	CH038 AMRO 060101	06/01/01	Tissue	Lab Dupl	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.490	0.01	MDL	ug/g	Wet Wt	1				VGICP-9-12-01B	0912SEM	9/12/2001	9/12/2001	14:31
2001 E1	EJUN01-01	E0100701	CH066 RWBL 053001	05/30/01	Tissue	Primary	ted-Winged Blackbir	Background	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EJUN01-01	E0100701	CH066 RWBL 053001	05/30/01	Tissue	Primary	ted-Winged Blackbir	Background	7782-49-2	ICP, Hydride	Selenium	1.100	0.01	MDL	ug/g	Wet Wt	1				VGICP-9-12-01B	0912SEM	9/12/2001	9/12/2001	14:34
2001 E1	EJUN01-01	E0100702	CR036 AMRO 060201	06/02/01	Tissue	Primary	American Robin	Background	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUN01-01	E0100702	CR036 AMRO 060201	06/02/01	Tissue	Primary	American Robin	Background	7782-49-2	ICP, Hydride	Selenium	0.440	0.01	MDL	ug/g	Wet Wt	1				VGICP-9-12-01B	0912SEM	9/12/2001	9/12/2001	14:37
2001 E1	EJUN01-01	E0100703	EF034 RWBL 060301	06/03/01	Tissue	Primary	ted-Winged Blackbir	Mine	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUN01-01	E0100703	EF034 RWBL 060301	06/03/01	Tissue	Primary	ted-Winged Blackbir	Mine	7782-49-2	ICP, Hydride	Selenium	1.600	0.01	MDL	ug/g	Wet Wt	1				VGICP-9-12-01B	0912SEM	9/12/2001	9/12/2001	14:40
2001 E1	EJUN01-01	E0100703SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.404	0.005	MDL	ug/g	Wet Wt	1	0.446	91		VGICP-9-12-01B	0912SEM	9/12/2001	9/12/2001	14:42
2001 E1	EJUN01-01	E0100704	CR041 AMRO 053101	05/31/01	Tissue	Replicate	American Robin	Background	NA	Gravimetric	Moisture Content	85	1	NA	%	NA	1								
2001 E1	EJUN01-01	E0100704	CR041 AMRO 053101	05/31/01	Tissue	Replicate	American Robin	Background	7782-49-2	ICP, Hydride	Selenium	0.380	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-8-01	0808SEM	8/8/2001	8/8/2001	8:16
2001 E1	EJUN01-01	E0100704-2	CR041 AMRO 053101	05/31/01	Tissue	Replicate	American Robin	Background	NA	Gravimetric	Moisture Content	86	1	NA	%	NA	1								
2001 E1	EJUN01-01	E0100704-2	CR041 AMRO 053101	05/31/01	Tissue	Replicate	American Robin	Background	7782-49-2	ICP, Hydride	Selenium	0.360	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-8-01	0808SEM	8/8/2001	8/8/2001	8:19
2001 E1	EJUN01-01	E0100704B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.00112	0.005	MDL	ug/g	Wet Wt	1				VGICP_8-8-01	0808SEM	8/8/2001	8/8/2001	7:59

Event	UIASL Case #	UIASL Sample ID	Field Sample ID	Collection Date	Matrix	QC Type	Common Name	Spatial Relevance	CAS #	Method	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% Rec	QC Flag	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
2001 E1	EJUN01-01	E0100704BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0493	0.005	MDL	ug/g	Wet Wt	1	0.050	99		VGICP_8-8-01	0808SEM	8/8/2001	8/8/2001	8:13
2001 E1	EJUN01-01	E0100704CS	Check Standard	NA	Lab QC	ICV	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0495	0.005	MDL	ug/g	Wet Wt	1	0.050	99		VGICP_8-8-01	0808SEM	8/8/2001	8/8/2001	8:10
2001 E1	EJUN01-01	E0100704S1	TORT	NA	Tissue	SRM	NA	NA	7782-49-2	ICP, Hydride	Selenium	5.78	0.005	MDL	ug/g	Wet Wt	1	5.63	103		VGICP_8-8-01	0808SEM	8/8/2001	8/8/2001	7:59
2001 E1	EJUN01-01	E0100704SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.497	0.005	MDL	ug/g	Wet Wt	1	0.446	111		VGICP_8-8-01	0808SEM	8/8/2001	8/8/2001	8:07
2001 E1	EJUN01-01	E0100705	CR040 RWBL 060201	06/02/01	Tissue	Primary	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	85	1	NA	%	NA	1								
2001 E1	EJUN01-01	E0100705	CR040 RWBL 060201	06/02/01	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.560	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-8-01	0808SEM	8/8/2001	8/8/2001	8:22
2001 E1	EJUN01-01	E0100705D	CR040 RWBL 060201	06/02/01	Tissue	Lab Dupl	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.480	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-8-01	0808SEM	8/8/2001	8/8/2001	8:25
2001 E1	EJUN01-01	E0100706	CR049 RWBL 060101	06/01/01	Tissue	Primary	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EJUN01-01	E0100706	CR049 RWBL 060101	06/01/01	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	2.300	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-8-01	0808SEM	8/8/2001	8/8/2001	8:27
2001 E1	EJUN01-01	E0100707	CR026 RWBL 060101	06/01/01	Tissue	Primary	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EJUN01-01	E0100707	CR026 RWBL 060101	06/01/01	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.360	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-8-01	0808SEM	8/8/2001	8/8/2001	8:30
2001 E1	EJUN01-01	E0100708	RV040 AMRO 060101	06/01/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
2001 E1	EJUN01-01	E0100708	RV040 AMRO 060101	06/01/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.480	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-8-01	0808SEM	8/8/2001	8/8/2001	8:33
2001 E1	EJUN01-01	E0100709	RWBL AZ050 053001	05/30/01	Tissue	Primary	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EJUN01-01	E0100709	RWBL AZ050 053001	05/30/01	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.850	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-8-01	0808SEM	8/8/2001	8/8/2001	8:36
2001 E1	EJUN01-01	E0100710	SF039 RWBL 053001	05/30/01	Tissue	Primary	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EJUN01-01	E0100710	SF039 RWBL 053001	05/30/01	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.510	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-8-01	0808SEM	8/8/2001	8/8/2001	8:39
2001 E1	EJUN01-01	E0100711	SF026 RWBL 053001	05/30/01	Tissue	Primary	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
2001 E1	EJUN01-01	E0100711	SF026 RWBL 053001	05/30/01	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	QNS	0.01	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2001 E1	EJUN01-01	E0100712	CH059 RWBL 060301	06/03/01	Tissue	Primary	Red-Winged Blackbir	Mine	NA	Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
2001 E1	EJUN01-01	E0100712	CH059 RWBL 060301	06/03/01	Tissue	Primary	Red-Winged Blackbir	Mine	7782-49-2	ICP, Hydride	Selenium	QNS	0.01	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2001 E1	EJUN01-01	E0100713	RWBL AZ032 053001	05/30/01	Tissue	Primary	Red-Winged Blackbir	Background	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUN01-01	E0100713	RWBL AZ032 053001	05/30/01	Tissue	Primary	Red-Winged Blackbir	Background	7782-49-2	ICP, Hydride	Selenium	0.480	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-8-01	0808SEM	8/8/2001	8/8/2001	8:42
2001 E1	EJUN01-01	E0100713MS	RWBL AZ032 053001	NA	Tissue	MS	NA	NA	7782-49-2	ICP, Hydride	Selenium	113	NA	NA	%				113		VGICP_8-8-01	0808SEM	8/8/2001	8/8/2001	8:45
2001 E1	EJUN01-01	E0100714	SF031 RWBL 053001	05/30/01	Tissue	Primary	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EJUN01-01	E0100714	SF031 RWBL 053001	05/30/01	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.920	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-8-01	0808SEM	8/8/2001	8/8/2001	8:47
2001 E1	EJUN01-01	E0100714D	SF031 RWBL 053001	05/30/01	Tissue	Lab Dupl	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUN01-01	E0100715	CH071 RWBL 060201	06/02/01	Tissue	Primary	Red-Winged Blackbir	Background	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUN01-01	E0100715	CH071 RWBL 060201	06/02/01	Tissue	Primary	Red-Winged Blackbir	Background	7782-49-2	ICP, Hydride	Selenium	1.100	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-8-01	0808SEM	8/8/2001	8/8/2001	8:50
2001 E1	EJUN01-01	E0100716	RV046 RWBL 060301	06/03/01	Tissue	Primary	Red-Winged Blackbir	Mine	NA	Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
2001 E1	EJUN01-01	E0100716	RV046 RWBL 060301	06/03/01	Tissue	Primary	Red-Winged Blackbir	Mine	7782-49-2	ICP, Hydride	Selenium	QNS	0.01	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2001 E1	EJUN01-01	E0100717	SF036 RWBL 053001	05/30/01	Tissue	Primary	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUN01-01	E0100717	SF036 RWBL 053001	05/30/01	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.640	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-8-01	0808SEM	8/8/2001	8/8/2001	8:53
2001 E1	EJUN01-02	E0100718	CR034 RWBL 052701	05/27/01	Tissue	Primary	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUN01-02	E0100718	CR034 RWBL 052701	05/27/01	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	1.900	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-8-01	0808SEM	8/8/2001	8/8/2001	8:56
2001 E1	EJUN01-02	E0100719	CR017 AMRO 052301	05/23/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUN01-02	E0100719	CR017 AMRO 052301	05/23/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.680	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-8-01	0808SEM	8/8/2001	8/8/2001	8:59
2001 E1	EJUN01-02	E0100720	RV014 RWBL 052601	05/26/01	Tissue	Primary	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EJUN01-02	E0100720	RV014 RWBL 052601	05/26/01	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.540	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-8-01	0808SEM	8/8/2001	8/8/2001	9:02
2001 E1	EJUN01-02	E0100720MS	Matrix Spike	NA	Tissue	MS	NA	NA	7782-49-2	ICP, Hydride	Selenium	108	NA	NA	%				108		VGICP_8-8-01	0808SEM	8/8/2001	8/8/2001	9:05
2001 E1	EJUN01-02	E0100720SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.489	0.005	MDL	ug/g	Wet Wt	1	0.446	110		VGICP_8-8-01	0808SEM	8/8/2001	8/8/2001	9:08
2001 E1	EJUN01-02	E0100721	RV010 AMRO 052301	05/23/01	Tissue	Replicate	American Robin	Regional	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EJUN01-02	E0100721	RV010 AMRO 052301	05/23/01	Tissue	Replicate	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.530	0.01	MDL	ug/g	Wet Wt	1				VGICP-8-30-01	0830SEH	8/30/2001	8/30/2001	12:55
2001 E1	EJUN01-02	E0100721-2	RV010 AMRO 052301	05/23/01	Tissue	Replicate	American Robin	Regional	NA	Gravimetric	Moisture Content	81	1	NA	%	NA	1								
2001 E1	EJUN01-02	E0100721-2	RV010 AMRO 052301	05/23/01	Tissue	Replicate	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.570	0.01	MDL	ug/g	Wet Wt	1				VGICP-8-30-01	0830SEH	8/30/2001	8/30/2001	12:58
2001 E1	EJUN01-02	E0100721B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.000248	0.005	MDL	ug/g	Wet Wt	1				VGICP-8-30-01	0830SEH	8/30/2001	8/30/2001	12:47
2001 E1	EJUN01-02	E0100721BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0517	0.005	MDL	ug/g	Wet Wt	1	0.050	103		VGICP-8-30-01	0830SEH	8/30/2001	8/30/2001	12:53
2001 E1	EJUN01-02	E0100721CS	Check Standard	NA	Lab QC	ICV	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0509	0.005	MDL	ug/g	Wet Wt	1	0.050	102		VGICP-8-30-01	0830SEH	8/30/2001	8/30/2001	12:50
2001 E1	EJUN01-02	E0100721S1	TORT	NA	Tissue	SRM	NA	NA	7782-49-2	ICP, Hydride	Selenium	5.48	0.005	MDL	ug/g	Wet Wt	1	5.63	97		VGICP-8-30-01	0830SEH	8/30/2001	8/30/2001	12:39
2001 E1	EJUN01-02	E0100721SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.369	0.005	MDL	ug/g	Wet Wt	1	0.446	83		VGICP-8-30-01	0830SEH	8/30/2001	8/30/2001	12:39
2001 E1	EJUN01-02	E0100724	CH034 RWBL 052601	05/26/01	Tissue	Primary	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUN01-02	E0100724	CH034 RWBL 052601	05/26/01	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.260	0.01	MDL	ug/g	Wet Wt	1				VGICP-8-30-01	0830SEH	8/30/2001	8/30/2001	13:01
2001 E1	EJUN01-02	E0100725	CH033 RWBL 052601	05/26/01	Tissue	Primary	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EJUN01-02	E0100725	CH033 RWBL 052601	05/26/01	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.720	0.01	MDL	ug/g	Wet Wt	1				VGICP-8-30-01	0830SEH	8/30/2001	8/30/2001	13:04
2001 E1	EJUN01-02	E0100726	CR012 AMRO 052601	05/26/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
2001 E1	EJUN01-02	E0100726	CR012 AMRO 052601	05/26/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.540	0.01	MDL	ug/g	Wet Wt	1				VGICP-8-30-01	0830SEH	8/30/2001	8/30/2001	13:07
2001 E1	EJUN01-02	E0100727	DJ026 RWBL 052601	05/26/01	Tissue	Primary	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	86	1	NA	%	NA	1								
2001 E1	EJUN01-02	E0100727	DJ026 RWBL 052601	05/26/01	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.550	0.01	MDL	ug/g	Wet Wt	1				VGICP-8-30-01	0830SEH	8/30/2001	8/30/2001	13:10
2001 E1	EJUN01-02	E0100728	SF010 AMRO 052501	05/25/01	Tissue	Replicate	American Robin	Background	NA	Gravimetric	Moisture Content	81	1	NA	%	NA	1								
2001 E1	EJUN01-02	E0100728	SF010 AMRO 052501	05/25/01	Tissue	Replicate	American Robin	Background	7782-49-2	ICP, Hydride	Selenium	0.490	0.01	MDL	ug/g	Wet Wt	1				VGICP-8-30-01	0830SEH	8/30/2001	8/30/2001	13:13
2001 E1	EJUN01-02	E0100728-2	SF010 AMRO 052501	05/25/01	Tissue	Replicate	American Robin	Background	NA	Gravimetric	Moisture Content	80	1	NA	%	NA	1								
2001 E1	EJUN01-02	E0100728-2	SF010 AMRO 052501	05/25/01	Tissue	Replicate	American Robin	Background	7782-49-2	ICP, Hydride	Selenium	0.510	0.01	MDL	ug/g	Wet Wt	1				VGICP-8-30-01	0830SEH	8/30/2001	8/30/2001	13:15
2001 E1	EJUN01-02	E0100729	CH047 AMRO 052701	05/27/01	Tissue	Primary	American Robin	Mine	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EJUN01-02	E0100729	CH047 AMRO 052701	05/27/01	Tissue	Primary	American Robin	Mine	7782-49-2	ICP, Hydride	Selenium	0.730	0.01	MDL	ug/g	Wet Wt	1				VGICP-8-30-01	0830SEH	8/30/2001	8/30/2001	13:18
2001 E1	EJUN01-02	E0100734	CH020 RWBL 052701	05/27/01	Tissue	Primary	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								

Event	UIASL Case #	UIASL Sample ID	Field Sample ID	Collection Date	Matrix	QC Type	Common Name	Spatial Relevance	CAS #	Method	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% Rec	QC Flag	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
2001 E1	EJUN01-02	E0100734	CH020 RWBL 052701	05/27/01	Tissue	Primary	ed-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	2.900	0.01	MDL	ug/g	Wet Wt	1				VGICP-8-30-01	0830SEH	8/30/2001	8/30/2001	13:21
2001 E1	EJUN01-02	E0100734D	CH020 RWBL 052701	05/27/01	Tissue	Lab Dupl	ed-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUN01-02	E0100735	SF025 RWBL 052701	05/27/01	Tissue	Primary	ed-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	86	1	NA	%	NA	1								
2001 E1	EJUN01-02	E0100735	SF025 RWBL 052701	05/27/01	Tissue	Primary	ed-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.500	0.01	MDL	ug/g	Wet Wt	1				VGICP-8-30-01	0830SEH	8/30/2001	8/30/2001	13:24
2001 E1	EJUN01-02	E0100735D	SF025 RWBL 052701	05/27/01	Tissue	Lab Dupl	ed-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.490	0.01	MDL	ug/g	Wet Wt	1				VGICP-8-30-01	0830SEH	8/30/2001	8/30/2001	13:27
2001 E1	EJUN01-02	E0100736	DJ071 RWBL 052701	05/27/01	Tissue	Primary	ed-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUN01-02	E0100736	DJ071 RWBL 052701	05/27/01	Tissue	Primary	ed-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.620	0.01	MDL	ug/g	Wet Wt	1				VGICP-8-30-01	0830SEH	8/30/2001	8/30/2001	13:30
2001 E1	EJUN01-02	E0100737	EF031 AMRO 052701	05/27/01	Tissue	Replicate	American Robin	Regional	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EJUN01-02	E0100737	EF031 AMRO 052701	05/27/01	Tissue	Replicate	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.820	0.01	MDL	ug/g	Wet Wt	1				VGICP-8-30-01	0830SEH	8/30/2001	8/30/2001	13:33
2001 E1	EJUN01-02	E0100737-2	EF031 AMRO 052701	05/27/01	Tissue	Replicate	American Robin	Regional	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EJUN01-02	E0100737-2	EF031 AMRO 052701	05/27/01	Tissue	Replicate	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.790	0.01	MDL	ug/g	Wet Wt	1				VGICP-8-30-01	0830SEH	8/30/2001	8/30/2001	13:35
2001 E1	EJUN01-02	E0100738	DJ044 RWBL 052701	05/27/01	Tissue	Primary	ed-Winged Blackbir	Background	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EJUN01-02	E0100738	DJ044 RWBL 052701	05/27/01	Tissue	Primary	ed-Winged Blackbir	Background	7782-49-2	ICP, Hydride	Selenium	0.620	0.01	MDL	ug/g	Wet Wt	1				VGICP-8-30-01	0830SEH	8/30/2001	8/30/2001	13:38
2001 E1	EJUN01-02	E0100738D	DJ044 RWBL 052701	05/27/01	Tissue	Lab Dupl	ed-Winged Blackbir	Background	7782-49-2	ICP, Hydride	Selenium	0.660	0.01	MDL	ug/g	Wet Wt	1				VGICP-8-30-01	0830SEH	8/30/2001	8/30/2001	13:41
2001 E1	EJUN01-02	E0100738SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.452	0.005	MDL	ug/g	Wet Wt	1	0.446	101		VGICP-8-30-01	0830SEH	8/30/2001	8/30/2001	13:44
2001 E1	EJUN01-02	E0100739	SF018 AMRO 052601	05/26/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	81	1	NA	%	NA	1								
2001 E1	EJUN01-02	E0100739	SF018 AMRO 052601	05/26/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.420	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-13-01A	0913SEM	9/13/2001	9/13/2001	9:03
2001 E1	EJUN01-02	E0100739B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	-0.000415	0.005	MDL	ug/g	Wet Wt	1				VGICP_9-13-01A	0913SEM	9/13/2001	9/13/2001	8:54
2001 E1	EJUN01-02	E0100739BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0496	0.005	MDL	ug/g	Wet Wt	1	0.050	99		VGICP_9-13-01A	0913SEM	9/13/2001	9/13/2001	9:00
2001 E1	EJUN01-02	E0100739CS	Check Standard	NA	Lab QC	ICV	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0497	0.005	MDL	ug/g	Wet Wt	1	0.050	99		VGICP_9-13-01A	0913SEM	9/13/2001	9/13/2001	8:57
2001 E1	EJUN01-02	E0100739S1	TORT	NA	Tissue	SRM	NA	NA	7782-49-2	ICP, Hydride	Selenium	5.15	0.005	MDL	ug/g	Wet Wt	1	5.63	91		VGICP_9-13-01A	0913SEM	9/13/2001	9/13/2001	8:48
2001 E1	EJUN01-02	E0100739S2	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.400	0.005	MDL	ug/g	Wet Wt	1	0.446	90		VGICP_9-13-01A	0913SEM	9/13/2001	9/13/2001	8:51
2001 E1	EJUN01-02	E0100740	DJ065 RWBL 052301	05/23/01	Tissue	Primary	ed-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EJUN01-02	E0100740	DJ065 RWBL 052301	05/23/01	Tissue	Primary	ed-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.470	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-13-01A	0913SEM	9/13/2001	9/13/2001	9:06
2001 E1	EJUN01-02	E0100741	CR033 RWBL 052701	05/27/01	Tissue	Primary	ed-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUN01-02	E0100741	CR033 RWBL 052701	05/27/01	Tissue	Primary	ed-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	1.000	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-13-01A	0913SEM	9/13/2001	9/13/2001	9:09
2001 E1	EJUN01-02	E0100741MS	CR033 RWBL 052701	NA	Tissue	MS	NA	NA	7782-49-2	ICP, Hydride	Selenium	100	NA	NA	%				100		VGICP_9-13-01A	0913SEM	9/13/2001	9/13/2001	9:11
2001 E1	EJUN01-02	E0100742	RV035 RWBL 060401	06/04/01	Tissue	Primary	ed-Winged Blackbir	Background	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUN01-02	E0100742	RV035 RWBL 060401	06/04/01	Tissue	Primary	ed-Winged Blackbir	Background	7782-49-2	ICP, Hydride	Selenium	0.520	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-13-01A	0913SEM	9/13/2001	9/13/2001	9:14
2001 E1	EJUN01-02	E0100743	SF049 RWBL 060401	06/04/01	Tissue	Primary	ed-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	88	1	NA	%	NA	1								
2001 E1	EJUN01-02	E0100743	SF049 RWBL 060401	06/04/01	Tissue	Primary	ed-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	1.200	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-13-01A	0913SEM	9/13/2001	9/13/2001	9:17
2001 E1	EJUN01-02	E0100743D	SF049 RWBL 060401	06/04/01	Tissue	Lab Dupl	ed-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	1.200	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-13-01A	0913SEM	9/13/2001	9/13/2001	9:20
2001 E1	EJUN01-02	E0100744	DJ043 RWBL 052401	05/24/01	Tissue	Primary	ed-Winged Blackbir	Background	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EJUN01-02	E0100744	DJ043 RWBL 052401	05/24/01	Tissue	Primary	ed-Winged Blackbir	Background	7782-49-2	ICP, Hydride	Selenium	0.520	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-13-01A	0913SEM	9/13/2001	9/13/2001	9:23
2001 E1	EJUN01-02	E0100744D	DJ043 RWBL 052401	05/24/01	Tissue	Lab Dupl	ed-Winged Blackbir	Background	7782-49-2	ICP, Hydride	Selenium	0.480	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-13-01A	0913SEM	9/13/2001	9/13/2001	9:26
2001 E1	EJUN01-02	E0100745	CH074 AMRO 060401	06/04/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EJUN01-02	E0100745	CH074 AMRO 060401	06/04/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.540	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-13-01A	0913SEM	9/13/2001	9/13/2001	9:29
2001 E1	EJUN01-02	E0100746	CR025 RWBL 052701	05/27/01	Tissue	Primary	ed-Winged Blackbir	Background	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUN01-02	E0100746	CR025 RWBL 052701	05/27/01	Tissue	Primary	ed-Winged Blackbir	Background	7782-49-2	ICP, Hydride	Selenium	2.700	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-13-01A	0913SEM	9/13/2001	9/13/2001	9:33
2001 E1	EJUN01-02	E0100746D	CR025 RWBL 052701	05/27/01	Tissue	Lab Dupl	ed-Winged Blackbir	Background	NA	Gravimetric	Moisture Content	81	1	NA	%	NA	1								
2001 E1	EJUN01-02	E0100747	SF069 AMRO 060501	06/05/01	Tissue	Replicate	American Robin	Background	NA	Gravimetric	Moisture Content	85	1	NA	%	NA	1								
2001 E1	EJUN01-02	E0100747	SF069 AMRO 060501	06/05/01	Tissue	Replicate	American Robin	Background	7782-49-2	ICP, Hydride	Selenium	0.340	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-13-01A	0913SEM	9/13/2001	9/13/2001	9:37
2001 E1	EJUN01-02	E0100747-2	SF069 AMRO 060501	06/05/01	Tissue	Replicate	American Robin	Background	NA	Gravimetric	Moisture Content	81	1	NA	%	NA	1								
2001 E1	EJUN01-02	E0100747-2	SF069 AMRO 060501	06/05/01	Tissue	Replicate	American Robin	Background	7782-49-2	ICP, Hydride	Selenium	0.530	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-13-01A	0913SEM	9/13/2001	9/13/2001	9:40
2001 E1	EJUN01-02	E0100750	CH072 RWBL 060401	06/04/01	Tissue	Primary	ed-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	85	1	NA	%	NA	1								
2001 E1	EJUN01-02	E0100750	CH072 RWBL 060401	06/04/01	Tissue	Primary	ed-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.270	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-13-01A	0913SEM	9/13/2001	9/13/2001	9:44
2001 E1	EJUN01-02	E0100750MS	CH072 RWBL 060401	NA	Tissue	MS	NA	NA	7782-49-2	ICP, Hydride	Selenium	105	NA	NA	%				105		VGICP_9-13-01A	0913SEM	9/13/2001	9/13/2001	9:48
2001 E1	EJUN01-02	E0100752	CH027 RWBL 052801	05/28/01	Tissue	Primary	ed-Winged Blackbir	Mine	NA	Gravimetric	Moisture Content	85	1	NA	%	NA	1								
2001 E1	EJUN01-02	E0100752	CH027 RWBL 052801	05/28/01	Tissue	Primary	ed-Winged Blackbir	Mine	7782-49-2	ICP, Hydride	Selenium	2.200	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-13-01A	0913SEM	9/13/2001	9/13/2001	9:51
2001 E1	EJUN01-02	E0100754	CH063 RWBL 060501	06/05/01	Tissue	Primary	ed-Winged Blackbir	Background	NA	Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
2001 E1	EJUN01-02	E0100754	CH063 RWBL 060501	06/05/01	Tissue	Primary	ed-Winged Blackbir	Background	7782-49-2	ICP, Hydride	Selenium	QNS	0.01	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA
2001 E1	EJUN01-02	E0100757	CR031 RWBL 060201	06/02/01	Tissue	Primary	ed-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	85	1	NA	%	NA	1								
2001 E1	EJUN01-02	E0100757	BL 060201 (CR051 RWB	06/02/01	Tissue	Primary	ed-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.540	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-13-01A	0913SEM	9/13/2001	9/13/2001	9:54
2001 E1	EJUN01-02	E0100757SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.391	0.005	MDL	ug/g	Wet Wt	1	0.446	88		VGICP_9-13-01A	0913SEM	9/13/2001	9/13/2001	9:57
2001 E1	EJUN01-02	E0100758	EF052 RWBL 060301	06/03/01	Tissue	Primary	ed-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EJUN01-02	E0100758	EF052 RWBL 060301	06/03/01	Tissue	Primary	ed-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	1.800	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-10-01	0910SEM	9/5/2001	9/10/2001	14:15
2001 E1	EJUN01-02	E0100758B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	-0.000734	0.005	MDL	ug/g	Wet Wt	1				VGICP_9-10-01	0910SEM	9/5/2001	9/10/2001	14:03
2001 E1	EJUN01-02	E0100758BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0506	0.005	MDL	ug/g	Wet Wt	1	0.050	101		VGICP_9-10-01	0910SEM	9/5/2001	9/10/2001	14:12
2001 E1	EJUN01-02	E0100758CS	Check Standard	NA	Lab QC	ICV	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0506	0.005	MDL	ug/g	Wet Wt	1	0.050	101		VGICP_9-10-01	0910SEM	9/5/2001	9/10/2001	14:09
2001 E1	EJUN01-02	E0100758S1	TORT	NA	Tissue	SRM	NA	NA	7782-49-2	ICP, Hydride	Selenium	5.77	0.005	MDL	ug/g	Wet Wt	1	5.63	102		VGICP_9-10-01	0910SEM	9/5/2001	9/10/2001	13:57
2001 E1	EJUN01-02	E0100758SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.489	0.005	MDL	ug/g	Wet Wt	1	0.446	110		VGICP_9-10-01	0910SEM	9/5/2001	9/10/2001	14:00
2001 E1	EJUN01-02	E0100759	SF030 RWBL 060201	06/02/01	Tissue	Primary	ed-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EJUN01-02	E0100759	SF030 RWBL 060201	06/02/01	Tissue	Primary	ed-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	1.200	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-10-01	0910SEM	9/5/2001	9/10/2001	14:18
2001 E1	EJUN01-02	E0100760	SF048 RWBL 060101	06/01/01	Tissue	Primary	ed-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUN01-02	E0100760	SF048 RWBL 060101	06/01/01	Tissue	Primary	ed-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	1.500	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-10-01	0910SEM	9/5/2001	9/10/2001	14:22

ATTACHMENT A
MWH EDD - 1999-2001 BIRD EGG TISSUE DATA
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Event	UIASL Case #	UIASL Sample ID	Field Sample ID	Collection Date	Matrix	QC Type	Common Name	Spatial Relevance	CAS #	Method	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% Rec	QC Flag	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
2001 E1	EJUN01-02	E0100761	DJ040 RWBL 052801	05/28/01	Tissue	Primary	ted-Winged Blackbir	Background	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EJUN01-02	E0100761	DJ040 RWBL 052801	05/28/01	Tissue	Primary	ted-Winged Blackbir	Background	7782-49-2	ICP, Hydride	Selenium	0.630	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-10-01	0910SEM	9/5/2001	9/10/2001	14:24
2001 E1	EJUN01-02	E0100762	DJ036 RWBL 052701	05/27/01	Tissue	Primary	ted-Winged Blackbir	Background	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EJUN01-02	E0100762	DJ036 RWBL 052701	05/27/01	Tissue	Primary	ted-Winged Blackbir	Background	7782-49-2	ICP, Hydride	Selenium	0.600	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-10-01	0910SEM	9/5/2001	9/10/2001	14:27
2001 E1	EJUN01-02	E0100762D	DJ036 RWBL 052701	05/27/01	Tissue	Lab Dupl	ted-Winged Blackbir	Background	7782-49-2	ICP, Hydride	Selenium	0.640	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-10-01	0910SEM	9/5/2001	9/10/2001	14:30
2001 E1	EJUN01-04	E0100775	EF050 RWBL 060801	06/08/01	Tissue	Primary	ted-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EJUN01-04	E0100775	EF050 RWBL 060801	06/08/01	Tissue	Primary	ted-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.470	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-10-01	0910SEM	9/5/2001	9/10/2001	14:32
2001 E1	EJUN01-04	E0100775D	EF050 RWBL 060801	06/08/01	Tissue	Lab Dupl	ted-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EJUN01-04	E0100776	CR058 RWBL 060601	06/06/01	Tissue	Primary	ted-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	85	1	NA	%	NA	1								
2001 E1	EJUN01-04	E0100776	CR058 RWBL 060601	06/06/01	Tissue	Primary	ted-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	2.500	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-10-01	0910SEM	9/5/2001	9/10/2001	14:35
2001 E1	EJUN01-04	E0100778	EF051 RWBL 060601	06/06/01	Tissue	Primary	ted-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
2001 E1	EJUN01-04	E0100778	EF051 RWBL 060601	06/06/01	Tissue	Primary	ted-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	3.000	0.04	MDL	ug/g	Wet Wt	5.405				VGICP_9-10-01	0910SEM	9/5/2001	9/10/2001	14:38
2001 E1	EJUN01-04	E0100780	EF037 RWBL 060601	06/06/01	Tissue	Primary	ted-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUN01-04	E0100780	EF037 RWBL 060601	06/06/01	Tissue	Primary	ted-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	1.000	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-10-01	0910SEM	9/5/2001	9/10/2001	14:44
2001 E1	EJUN01-04	E0100783	CR054 AMRO 060601	06/06/01	Tissue	Replicate	American Robin	Background	NA	Gravimetric	Moisture Content	85	1	NA	%	NA	1								
2001 E1	EJUN01-04	E0100783	CR054 AMRO 060601	06/06/01	Tissue	Replicate	American Robin	Background	7782-49-2	ICP, Hydride	Selenium	0.410	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-10-01	0910SEM	9/5/2001	9/10/2001	14:47
2001 E1	EJUN01-04	E0100783-2	CR054 AMRO 060601	06/06/01	Tissue	Replicate	American Robin	Background	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUN01-04	E0100783-2	CR054 AMRO 060601	06/06/01	Tissue	Replicate	American Robin	Background	7782-49-2	ICP, Hydride	Selenium	0.470	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-10-01	0910SEM	9/5/2001	9/10/2001	14:49
2001 E1	EJUN01-04	E0100785	SF066 AMRO 060801	06/08/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	90	1	NA	%	NA	1								
2001 E1	EJUN01-04	E0100785	SF066 AMRO 060801	06/08/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.660	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-10-01	0910SEM	9/5/2001	9/10/2001	14:52
2001 E1	EJUN01-04	E0100792	CR032 RWBL 052701	05/27/01	Tissue	Primary	ted-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EJUN01-04	E0100792	CR032 RWBL 052701	05/27/01	Tissue	Primary	ted-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.720	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-10-01	0910SEM	9/5/2001	9/10/2001	14:55
2001 E1	EJUN01-04	E0100793	SF028 RWBL 052701	05/27/01	Tissue	Primary	ted-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EJUN01-04	E0100793	SF028 RWBL 052701	05/27/01	Tissue	Primary	ted-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.860	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-10-01	0910SEM	9/5/2001	9/10/2001	14:58
2001 E1	EJUN01-04	E0100796	DJ072 RWBL 052701	05/27/01	Tissue	Primary	ted-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	85	1	NA	%	NA	1								
2001 E1	EJUN01-04	E0100796	DJ072 RWBL 052701	05/27/01	Tissue	Primary	ted-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	1.200	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-10-01	0910SEM	9/5/2001	9/10/2001	15:01
2001 E1	EJUN01-04	E0100796SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.505	0.005	MDL	ug/g	Wet Wt	1	0.446	113		VGICP_9-10-01	0910SEM	9/5/2001	9/10/2001	15:04
2001 E1	EJUN01-04	E0100797	CR039 RWBL 052701	05/27/01	Tissue	Primary	ted-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EJUN01-04	E0100797	CR039 RWBL 052701	05/27/01	Tissue	Primary	ted-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.420	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-14-01A	0914SEM	9/14/2001	9/13/2001	9:34
2001 E1	EJUN01-04	E0100797B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	-0.000536	0.005	MDL	ug/g	Wet Wt	1				VGICP_9-14-01A	0914SEM	9/14/2001	9/13/2001	9:24
2001 E1	EJUN01-04	E0100797BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0504	0.005	MDL	ug/g	Wet Wt	1	0.050	101		VGICP_9-14-01A	0914SEM	9/14/2001	9/13/2001	9:31
2001 E1	EJUN01-04	E0100797CS	Check Standard	NA	Lab QC	ICV	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0503	0.005	MDL	ug/g	Wet Wt	1	0.050	101		VGICP_9-14-01A	0914SEM	9/14/2001	9/13/2001	9:27
2001 E1	EJUN01-04	E0100797S1	TORT	NA	Tissue	SRM	NA	NA	7782-49-2	ICP, Hydride	Selenium	5.16	0.005	MDL	ug/g	Wet Wt	1	5.63	92		VGICP_9-14-01A	0914SEM	9/14/2001	9/13/2001	9:15
2001 E1	EJUN01-04	E0100797SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.396	0.005	MDL	ug/g	Wet Wt	1	0.446	89		VGICP_9-14-01A	0914SEM	9/14/2001	9/13/2001	9:18
2001 E1	EJUN01-04	E0100798	DJ034 RWBL 052701	05/27/01	Tissue	Primary	ted-Winged Blackbir	Background	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUN01-04	E0100798	DJ034 RWBL 052701	05/27/01	Tissue	Primary	ted-Winged Blackbir	Background	7782-49-2	ICP, Hydride	Selenium	0.420	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-14-01A	0914SEM	9/14/2001	9/13/2001	9:37
2001 E1	EJUN01-04	E0100802	CR053 AMRO 060601	06/06/01	Tissue	Replicate	American Robin	Background	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EJUN01-04	E0100802	CR053 AMRO 060601	06/06/01	Tissue	Replicate	American Robin	Background	7782-49-2	ICP, Hydride	Selenium	0.430	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-14-01A	0914SEM	9/14/2001	9/13/2001	9:40
2001 E1	EJUN01-04	E0100802-2	CR053 AMRO 060601	06/06/01	Tissue	Replicate	American Robin	Background	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EJUN01-04	E0100802-2	CR053 AMRO 060601	06/06/01	Tissue	Replicate	American Robin	Background	7782-49-2	ICP, Hydride	Selenium	0.410	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-14-01A	0914SEM	9/14/2001	9/13/2001	9:43
2001 E1	EJUN01-04	E0100803	SF064 AMRO 060701	06/07/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUN01-04	E0100803	SF064 AMRO 060701	06/07/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.450	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-14-01A	0914SEM	9/14/2001	9/13/2001	9:46
2001 E1	EJUN01-04	E0100803D	SF064 AMRO 060701	06/07/01	Tissue	Lab Dupl	American Robin	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUN01-04	E0100804	AMRO AZ056 060701	06/07/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	92	1	NA	%	NA	1								
2001 E1	EJUN01-04	E0100804	AMRO AZ056 060701	06/07/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.440	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-14-01A	0914SEM	9/14/2001	9/13/2001	9:48
2001 E1	EJUN01-04	E0100804MS	AMRO AZ056 060701	NA	Tissue	MS	NA	NA	7782-49-2	ICP, Hydride	Selenium	100	NA	NA	%				100		VGICP_9-14-01A	0914SEM	9/14/2001	9/13/2001	9:51
2001 E1	EJUN01-04	E0100805	CR042 AMRO 060601	06/06/01	Tissue	Primary	American Robin	Background	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EJUN01-04	E0100805	CR042 AMRO 060601	06/06/01	Tissue	Primary	American Robin	Background	7782-49-2	ICP, Hydride	Selenium	0.330	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-14-01A	0914SEM	9/14/2001	9/13/2001	9:54
2001 E1	EJUN01-04	E0100805D	CR042 AMRO 060601	06/06/01	Tissue	Lab Dupl	American Robin	Background	7782-49-2	ICP, Hydride	Selenium	0.360	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-14-01A	0914SEM	9/14/2001	9/13/2001	9:57
2001 E1	EJUN01-04	E0100806	CR020 RWBL 052501	05/25/01	Tissue	Primary	ted-Winged Blackbir	Mine	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUN01-04	E0100806	CR020 RWBL 052501	05/25/01	Tissue	Primary	ted-Winged Blackbir	Mine	7782-49-2	ICP, Hydride	Selenium	0.780	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-14-01A	0914SEM	9/14/2001	9/13/2001	10:00
2001 E1	EJUN01-04	E0100807	AMRO AZ041 052501	05/25/01	Tissue	Replicate	American Robin	Regional	NA	Gravimetric	Moisture Content	80	1	NA	%	NA	1								
2001 E1	EJUN01-04	E0100807	AMRO AZ041 052501	05/25/01	Tissue	Replicate	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.520	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-14-01A	0914SEM	9/14/2001	9/13/2001	10:03
2001 E1	EJUN01-04	E0100807-2	AMRO AZ041 052501	05/25/01	Tissue	Replicate	American Robin	Regional	NA	Gravimetric	Moisture Content	86	1	NA	%	NA	1								
2001 E1	EJUN01-04	E0100807-2	AMRO AZ041 052501	05/25/01	Tissue	Replicate	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.390	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-14-01A	0914SEM	9/14/2001	9/13/2001	10:06
2001 E1	EJUN01-04	E0100808	EF036 RWBL 052501	05/25/01	Tissue	Primary	ted-Winged Blackbir	Mine	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EJUN01-04	E0100808	EF036 RWBL 052501	05/25/01	Tissue	Primary	ted-Winged Blackbir	Mine	7782-49-2	ICP, Hydride	Selenium	0.540	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-14-01A	0914SEM	9/14/2001	9/13/2001	10:09
2001 E1	EJUN01-04	E0100809	SF016 RWBL 052501	05/25/01	Tissue	Primary	ted-Winged Blackbir	Mine	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EJUN01-04	E0100809	SF016 RWBL 052501	05/25/01	Tissue	Primary	ted-Winged Blackbir	Mine	7782-49-2	ICP, Hydride	Selenium	0.580	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-14-01A	0914SEM	9/14/2001	9/13/2001	10:12
2001 E1	EJUN01-04	E0100810	RV008 RWBL 052501	05/25/01	Tissue	Primary	ted-Winged Blackbir	Mine	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EJUN01-04	E0100810	RV008 RWBL 052501	05/25/01	Tissue	Primary	ted-Winged Blackbir	Mine	7782-49-2	ICP, Hydride	Selenium	0.620	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-14-01A	0914SEM	9/14/2001	9/13/2001	10:15
2001 E1	EJUN01-04	E0100811	SF034 RWBL 052601	05/26/01	Tissue	Primary	ted-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUN01-04	E0100811	SF034 RWBL 052601	05/26/01	Tissue	Primary	ted-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.600	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-14-01A	0914SEM	9/14/2001	9/13/2001	10:18
2001 E1	EJUN01-04	E0100811D	SF034 RWBL 052601	05/26/01	Tissue	Lab Dupl	ted-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.570	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-14-01A	0914SEM	9/14/2001	9/13/2001	10:21
2001 E1	EJUN01-04	E0100811SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.426	0.005	MDL	ug/g	Wet Wt	1	0.446	96		VGICP_9-14-01A	0914SEM	9/14/2001	9/13/2001	10:24

Event	UIASL Case #	UIASL Sample ID	Field Sample ID	Collection Date	Matrix	QC Type	Common Name	Spatial Relevance	CAS #	Method	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% Rec	QC Flag	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
2001 E1	EJUN01-04	E0100812	DJ030 RWBL 052101	05/21/01	Tissue	Primary	Red-Winged Blackbir	Background	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUN01-04	E0100812	DJ030 RWBL 052101	05/21/01	Tissue	Primary	Red-Winged Blackbir	Background	7782-49-2	ICP, Hydride	Selenium	0.580	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-19-01A	0918SEM	9/18/2001	9/19/2001	8:47
2001 E1	EJUN01-04	E0100812B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	-0.000056	0.005	MDL	ug/g	Wet Wt	1				VGICP_9-19-01A	0918SEM	9/18/2001	9/19/2001	8:30
2001 E1	EJUN01-04	E0100812BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0507	0.005	MDL	ug/g	Wet Wt	1	0.050	101		VGICP_9-19-01A	0918SEM	9/18/2001	9/19/2001	8:44
2001 E1	EJUN01-04	E0100812CS	Check Standard	NA	Lab QC	ICV	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0508	0.005	MDL	ug/g	Wet Wt	1	0.050	102		VGICP_9-19-01A	0918SEM	9/18/2001	9/19/2001	8:41
2001 E1	EJUN01-04	E0100812S1	TORT	NA	Tissue	SRM	NA	NA	7782-49-2	ICP, Hydride	Selenium	5.83	0.005	MDL	ug/g	Wet Wt	1	5.63	104		VGICP_9-19-01A	0918SEM	9/18/2001	9/19/2001	8:30
2001 E1	EJUN01-04	E0100812SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.418	0.005	MDL	ug/g	Wet Wt	1	0.446	94		VGICP_9-19-01A	0918SEM	9/18/2001	9/19/2001	8:30
2001 E1	EJUN01-04	E0100813	CH014 RWBL 052501	05/25/01	Tissue	Primary	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUN01-04	E0100813	CH014 RWBL 052501	05/25/01	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.590	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-19-01A	0918SEM	9/18/2001	9/19/2001	8:50
2001 E1	EJUN01-04	E0100814	AMRO AZ009 052201	05/22/01	Tissue	Primary	American Robin	Background	NA	Gravimetric	Moisture Content	81	1	NA	%	NA	1								
2001 E1	EJUN01-04	E0100814	AMRO AZ009 052201	05/22/01	Tissue	Primary	American Robin	Background	7782-49-2	ICP, Hydride	Selenium	0.540	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-19-01A	0918SEM	9/18/2001	9/19/2001	8:53
2001 E1	EJUN01-04	E0100815	RWBL AZ024 052501	05/25/01	Tissue	Primary	Red-Winged Blackbir	Mine	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EJUN01-04	E0100815	RWBL AZ024 052501	05/25/01	Tissue	Primary	Red-Winged Blackbir	Mine	7782-49-2	ICP, Hydride	Selenium	0.950	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-19-01A	0918SEM	9/18/2001	9/19/2001	8:55
2001 E1	EJUN01-04	E0100817	RV049 AMRO 060401	06/04/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUN01-04	E0100817	RV049 AMRO 060401	06/04/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.400	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-19-01A	0918SEM	9/18/2001	9/19/2001	8:58
2001 E1	EJUN01-04	E0100817MS	RV049 AMRO 060401	NA	Tissue	MS	NA	NA	7782-49-2	ICP, Hydride	Selenium	105	NA	NA	%				105		VGICP_9-19-01A	0918SEM	9/18/2001	9/19/2001	9:01
2001 E1	EJUN01-04	E0100818	DJ049 AMRO 052501	05/25/01	Tissue	Replicate	American Robin	Mine	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EJUN01-04	E0100818	DJ049 AMRO 052501	05/25/01	Tissue	Replicate	American Robin	Mine	7782-49-2	ICP, Hydride	Selenium	0.680	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-19-01A	0918SEM	9/18/2001	9/19/2001	9:04
2001 E1	EJUN01-04	E0100818-2	DJ049 AMRO 052501	05/25/01	Tissue	Replicate	American Robin	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUN01-04	E0100818-2	DJ049 AMRO 052501	05/25/01	Tissue	Replicate	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.610	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-19-01A	0918SEM	9/18/2001	9/19/2001	9:07
2001 E1	EJUN01-04	E0100819	DJ048 RWBL 052401	05/24/01	Tissue	Primary	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUN01-04	E0100819	DJ048 RWBL 052401	05/24/01	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.460	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-19-01A	0918SEM	9/18/2001	9/19/2001	9:09
2001 E1	EJUN01-04	E0100819D	DJ048 RWBL 052401	05/24/01	Tissue	Lab Dupl	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EJUN01-04	E0100822	CR050 RWBL 060501	06/05/01	Tissue	Primary	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUN01-04	E0100822	CR050 RWBL 060501	06/05/01	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	1.900	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-19-01A	0918SEM	9/18/2001	9/19/2001	9:12
2001 E1	EJUN01-04	E0100824	RWBL AM091 060501	06/05/01	Tissue	Primary	Red-Winged Blackbir	Background	NA	Gravimetric	Moisture Content	80	1	NA	%	NA	1								
2001 E1	EJUN01-04	E0100824	RWBL AM091 060501	06/05/01	Tissue	Primary	Red-Winged Blackbir	Background	7782-49-2	ICP, Hydride	Selenium	1.000	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-19-01A	0918SEM	9/18/2001	9/19/2001	9:15
2001 E1	EJUN01-04	E0100825	SF029 RWBL 060501	06/05/01	Tissue	Primary	Red-Winged Blackbir	Background	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EJUN01-04	E0100825	SF029 RWBL 060501	06/05/01	Tissue	Primary	Red-Winged Blackbir	Background	7782-49-2	ICP, Hydride	Selenium	0.410	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-19-01A	0918SEM	9/18/2001	9/19/2001	9:18
2001 E1	EJUN01-04	E0100825MS	SF029 RWBL 060501	NA	Tissue	MS	NA	NA	7782-49-2	ICP, Hydride	Selenium	98	NA	NA	%				98		VGICP_9-19-01A	0918SEM	9/18/2001	9/19/2001	9:21
2001 E1	EJUN01-04	E0100826	SF047 RWBL 060401	06/04/01	Tissue	Primary	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EJUN01-04	E0100826	SF047 RWBL 060401	06/04/01	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.940	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-19-01A	0918SEM	9/18/2001	9/19/2001	9:24
2001 E1	EJUN01-04	E0100827	CH065 RWBL 060501	06/05/01	Tissue	Primary	Red-Winged Blackbir	Background	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUN01-04	E0100827	CH065 RWBL 060501	06/05/01	Tissue	Primary	Red-Winged Blackbir	Background	7782-49-2	ICP, Hydride	Selenium	3.100	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-19-01A	0918SEM	9/18/2001	9/19/2001	9:27
2001 E1	EJUN01-04	E0100827D	CH065 RWBL 060501	06/05/01	Tissue	Lab Dupl	Red-Winged Blackbir	Background	7782-49-2	ICP, Hydride	Selenium	3.200	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-19-01A	0918SEM	9/18/2001	9/19/2001	9:33
2001 E1	EJUN01-04	E0100828	SF038 RWBL 060501	06/05/01	Tissue	Primary	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EJUN01-04	E0100828	SF038 RWBL 060501	06/05/01	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.420	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-19-01A	0918SEM	9/18/2001	9/19/2001	9:30
2001 E1	EJUN01-04	E0100828SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.406	0.005	MDL	ug/g	Wet Wt	1	0.446	91		VGICP_9-19-01A	0918SEM	9/18/2001	9/19/2001	9:36
2001 E1	EJUN01-04	E0100829	EF035 RWBL 060501	06/05/01	Tissue	Primary	Red-Winged Blackbir	Mine	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUN01-04	E0100829	EF035 RWBL 060501	06/05/01	Tissue	Primary	Red-Winged Blackbir	Mine	7782-49-2	ICP, Hydride	Selenium	3.200	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-14-01B	0914SEM1	9/14/2001	9/14/2001	11:16
2001 E1	EJUN01-04	E0100829B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	-0.000395	0.005	MDL	ug/g	Wet Wt	1				VGICP_9-14-01B	0914SEM1	9/14/2001	9/14/2001	11:07
2001 E1	EJUN01-04	E0100829BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0500	0.005	MDL	ug/g	Wet Wt	1	0.050	100		VGICP_9-14-01B	0914SEM1	9/14/2001	9/14/2001	11:13
2001 E1	EJUN01-04	E0100829CS	Check Standard	NA	Lab QC	ICV	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0499	0.005	MDL	ug/g	Wet Wt	1	0.050	100		VGICP_9-14-01B	0914SEM1	9/14/2001	9/14/2001	11:10
2001 E1	EJUN01-04	E0100829S1	TORT	NA	Tissue	SRM	NA	NA	7782-49-2	ICP, Hydride	Selenium	5.02	0.005	MDL	ug/g	Wet Wt	1	5.63	89		VGICP_9-14-01B	0914SEM1	9/14/2001	9/14/2001	11:01
2001 E1	EJUN01-04	E0100829SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.423	0.005	MDL	ug/g	Wet Wt	1	0.446	95		VGICP_9-14-01B	0914SEM1	9/14/2001	9/14/2001	11:04
2001 E1	EJUN01-04	E0100830	RV038 RWBL 060901	06/09/01	Tissue	Primary	Red-Winged Blackbir	Mine	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUN01-04	E0100830	RV038 RWBL 060901	06/09/01	Tissue	Primary	Red-Winged Blackbir	Mine	7782-49-2	ICP, Hydride	Selenium	3.200	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-14-01B	0914SEM1	9/14/2001	9/14/2001	11:19
2001 E1	EJUN01-04	E0100831	RV048 RWBL 060901	06/09/01	Tissue	Primary	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EJUN01-04	E0100831	RV048 RWBL 060901	06/09/01	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.760	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-14-01B	0914SEM1	9/14/2001	9/14/2001	11:22
2001 E1	EJUN01-04	E0100832	CR018 RWBL 060901	06/09/01	Tissue	Primary	Red-Winged Blackbir	Mine	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EJUN01-04	E0100832	CR018 RWBL 060901	06/09/01	Tissue	Primary	Red-Winged Blackbir	Mine	7782-49-2	ICP, Hydride	Selenium	2.700	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-14-01B	0914SEM1	9/14/2001	9/14/2001	11:25
2001 E1	EJUN01-04	E0100833	AMRO AM049 060901	06/09/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUN01-04	E0100833	AMRO AM049 060901	06/09/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.470	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-14-01B	0914SEM1	9/14/2001	9/14/2001	11:28
2001 E1	EJUN01-04	E0100834	CH108 RWBL 060901	06/09/01	Tissue	Primary	Red-Winged Blackbir	Mine	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EJUN01-04	E0100834	CH108 RWBL 060901	06/09/01	Tissue	Primary	Red-Winged Blackbir	Mine	7782-49-2	ICP, Hydride	Selenium	1.900	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-14-01B	0914SEM1	9/14/2001	9/14/2001	11:30
2001 E1	EJUN01-04	E0100835	SF042 AMRO 060601	06/06/01	Tissue	Replicate	American Robin	Background	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EJUN01-04	E0100835	SF042 AMRO 060601	06/06/01	Tissue	Replicate	American Robin	Background	7782-49-2	ICP, Hydride	Selenium	0.460	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-14-01B	0914SEM1	9/14/2001	9/14/2001	11:33
2001 E1	EJUN01-04	E0100835-2	SF042 AMRO 060601	06/06/01	Tissue	Replicate	American Robin	Background	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUN01-04	E0100835-2	SF042 AMRO 060601	06/06/01	Tissue	Replicate	American Robin	Background	7782-49-2	ICP, Hydride	Selenium	0.470	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-14-01B	0914SEM1	9/14/2001	9/14/2001	11:36
2001 E1	EJUN01-04	E0100835D	SF042 AMRO 060601	06/06/01	Tissue	Lab Dupl	American Robin	Background	NA	Gravimetric	Moisture Content	81	1	NA	%	NA	1								
2001 E1	EJUN01-05	E0100838	SF067 AMRO 061101	06/11/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	81	1	NA	%	NA	1								
2001 E1	EJUN01-05	E0100838	SF067 AMRO 061101	06/11/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.600	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-14-01B	0914SEM1	9/14/2001	9/14/2001	11:39
2001 E1	EJUN01-05	E0100840	RWBL AM050 061101	06/11/01	Tissue	Primary	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	81	1	NA	%	NA	1								
2001 E1	EJUN01-05	E0100840	RWBL AM050 061101	06/11/01	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.790	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-14-01B	0914SEM1	9/14/2001	9/14/2001	11:42
2001 E1	EJUN01-05	E0100842	SF068 AMRO 061101	06/11/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								

Event	UIASL Case #	UIASL Sample ID	Field Sample ID	Collection Date	Matrix	QC Type	Common Name	Spatial Relevance	CAS #	Method	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% Rec	QC Flag	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
2001 E1	EJUN01-05	E0100842	SF068 AMRO 061101	06/11/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.490	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-14-01B	0914SEM1	9/14/2001	9/14/2001	11:45
2001 E1	EJUN01-05	E0100842D	SF068 AMRO 061101	06/11/01	Tissue	Lab Dupl	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.480	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-14-01B	0914SEM1	9/14/2001	9/14/2001	11:48
2001 E1	EJUN01-05	E0100844	RV047 RWBL 060901	06/09/01	Tissue	Primary	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	81	1	NA	%	NA	1								
2001 E1	EJUN01-05	E0100844	RV047 RWBL 060901	06/09/01	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	3.300	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-14-01B	0914SEM1	9/14/2001	9/14/2001	11:51
2001 E1	EJUN01-05	E0100845	AMRO AZ061 061001	06/10/01	Tissue	Primary	American Robin	Background	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EJUN01-05	E0100845	AMRO AZ061 061001	06/10/01	Tissue	Primary	American Robin	Background	7782-49-2	ICP, Hydride	Selenium	0.520	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-14-01B	0914SEM1	9/14/2001	9/14/2001	11:54
2001 E1	EJUN01-05	E0100845MS	AMRO AZ061 061001	NA	Tissue	MS	NA	NA	7782-49-2	ICP, Hydride	Selenium	102	NA	NA	%				102		VGICP_9-14-01B	0914SEM1	9/14/2001	9/14/2001	11:57
2001 E1	EJUN01-05	E0100846	SF046 AMRO 061001	06/10/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EJUN01-05	E0100846	SF046 AMRO 061001	06/10/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.510	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-14-01B	0914SEM1	9/14/2001	9/14/2001	12:00
2001 E1	EJUN01-05	E0100848	CH110 RWBL 061001	06/10/01	Tissue	Primary	Red-Winged Blackbir	Background	NA	Gravimetric	Moisture Content	86	1	NA	%	NA	1								
2001 E1	EJUN01-05	E0100848	CH110 RWBL 061001	06/10/01	Tissue	Primary	Red-Winged Blackbir	Background	7782-49-2	ICP, Hydride	Selenium	0.970	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-14-01B	0914SEM1	9/14/2001	9/14/2001	12:03
2001 E1	EJUN01-05	E0100849	CH097 RWBL 060901	06/09/01	Tissue	Primary	Red-Winged Blackbir	Background	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUN01-05	E0100849	CH097 RWBL 060901	06/09/01	Tissue	Primary	Red-Winged Blackbir	Background	7782-49-2	ICP, Hydride	Selenium	0.360	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-14-01B	0914SEM1	9/14/2001	9/14/2001	12:06
2001 E1	EJUN01-05	E0100849SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.397	0.005	MDL	ug/g	Wet Wt	1	0.446	89		VGICP_9-14-01B	0914SEM1	9/14/2001	9/14/2001	12:08
2001 E1	EJUN01-16	E0100972	SF082 AMRO 061801	06/18/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUN01-16	E0100972	SF082 AMRO 061801	06/18/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.510	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-13-01B	0913SEM1	9/12/2001	9/13/2001	10:33
2001 E1	EJUN01-16	E0100972B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	-0.000690	0.005	MDL	ug/g	Wet Wt	1				VGICP_9-13-01B	0913SEM1	9/12/2001	9/13/2001	10:24
2001 E1	EJUN01-16	E0100972BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0497	0.005	MDL	ug/g	Wet Wt	1	0.050	99		VGICP_9-13-01B	0913SEM1	9/12/2001	9/13/2001	10:30
2001 E1	EJUN01-16	E0100972CS	Check Standard	NA	Lab QC	ICV	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0498	0.005	MDL	ug/g	Wet Wt	1	0.050	100		VGICP_9-13-01B	0913SEM1	9/12/2001	9/13/2001	10:27
2001 E1	EJUN01-16	E0100972S1	TORT	NA	Tissue	SRM	NA	NA	7782-49-2	ICP, Hydride	Selenium	5.26	0.005	MDL	ug/g	Wet Wt	1	5.63	93		VGICP_9-13-01B	0913SEM1	9/12/2001	9/13/2001	10:19
2001 E1	EJUN01-16	E0100972SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.419	0.005	MDL	ug/g	Wet Wt	1	0.446	94		VGICP_9-13-01B	0913SEM1	9/12/2001	9/13/2001	10:22
2001 E1	EJUN01-16	E0100974	CH115 RWBL 061701	06/17/01	Tissue	Primary	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	81	1	NA	%	NA	1								
2001 E1	EJUN01-16	E0100974	CH115 RWBL 061701	06/17/01	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.780	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-13-01B	0913SEM1	9/12/2001	9/13/2001	10:36
2001 E1	EJUN01-16	E0100975	RWBL AZ600 061301	06/13/01	Tissue	Primary	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EJUN01-16	E0100975	RWBL AZ600 061301	06/13/01	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.320	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-13-01B	0913SEM1	9/12/2001	9/13/2001	10:39
2001 E1	EJUN01-16	E0100976	SF083 AMRO 061801	06/18/01	Tissue	Replicate	American Robin	Background	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EJUN01-16	E0100976	SF083 AMRO 061801	06/18/01	Tissue	Replicate	American Robin	Background	7782-49-2	ICP, Hydride	Selenium	0.430	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-13-01B	0913SEM1	9/12/2001	9/13/2001	10:42
2001 E1	EJUN01-16	E0100976-2	SF083 AMRO 061801	06/18/01	Tissue	Replicate	American Robin	Background	NA	Gravimetric	Moisture Content	81	1	NA	%	NA	1								
2001 E1	EJUN01-16	E0100976-2	SF083 AMRO 061801	06/18/01	Tissue	Replicate	American Robin	Background	7782-49-2	ICP, Hydride	Selenium	0.410	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-13-01B	0913SEM1	9/12/2001	9/13/2001	10:44
2001 E1	EJUN01-16	E0100977	SF086 AMRO 061801	06/18/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	85	1	NA	%	NA	1								
2001 E1	EJUN01-16	E0100977	SF086 AMRO 061801	06/18/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.520	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-13-01B	0913SEM1	9/12/2001	9/13/2001	10:47
2001 E1	EJUN01-16	E0100978	SF074 AMRO 061801	06/18/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	81	1	NA	%	NA	1								
2001 E1	EJUN01-16	E0100978	SF074 AMRO 061801	06/18/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.420	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-13-01B	0913SEM1	9/12/2001	9/13/2001	10:50
2001 E1	EJUN01-16	E0100978MS	SF074 AMRO 061801	NA	Tissue	MS	NA	NA	7782-49-2	ICP, Hydride	Selenium	90	NA	NA	%				90		VGICP_9-13-01B	0913SEM1	9/12/2001	9/13/2001	10:53
2001 E1	EJUN01-16	E0100979	CH098 RWBL 061601	06/16/01	Tissue	Primary	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EJUN01-16	E0100979	CH098 RWBL 061601	06/16/01	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.520	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-13-01B	0913SEM1	9/12/2001	9/13/2001	10:56
2001 E1	EJUN01-16	E0100980	RV053 RWBL 061501	06/15/01	Tissue	Primary	Red-Winged Blackbir	Background	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EJUN01-16	E0100980	RV053 RWBL 061501	06/15/01	Tissue	Primary	Red-Winged Blackbir	Background	7782-49-2	ICP, Hydride	Selenium	0.210	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-13-01B	0913SEM1	9/12/2001	9/13/2001	11:02
2001 E1	EJUN01-16	E0100981	SF077 AMRO 061301	06/13/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EJUN01-16	E0100981	SF077 AMRO 061301	06/13/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.710	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-13-01B	0913SEM1	9/12/2001	9/13/2001	11:05
2001 E1	EJUN01-16	E0100981D	SF077 AMRO 061301	06/13/01	Tissue	Lab Dupl	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.690	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-13-01B	0913SEM1	9/12/2001	9/13/2001	11:08
2001 E1	EJUN01-16	E0100982	CH106 RWBL 061501	06/15/01	Tissue	Primary	Red-Winged Blackbir	Mine	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUN01-16	E0100982	CH106 RWBL 061501	06/15/01	Tissue	Primary	Red-Winged Blackbir	Mine	7782-49-2	ICP, Hydride	Selenium	2.700	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-13-01B	0913SEM1	9/12/2001	9/13/2001	11:11
2001 E1	EJUN01-16	E0100983	EF058 RWBL 061401	06/14/01	Tissue	Primary	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUN01-16	E0100983	EF058 RWBL 061401	06/14/01	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.440	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-13-01B	0913SEM1	9/12/2001	9/13/2001	11:14
2001 E1	EJUN01-16	E0100983D	EF058 RWBL 061401	06/14/01	Tissue	Lab Dupl	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.450	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-13-01B	0913SEM1	9/12/2001	9/13/2001	11:17
2001 E1	EJUN01-16	E0100985	CR061 RWBL 061601	06/16/01	Tissue	Primary	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EJUN01-16	E0100985	CR061 RWBL 061601	06/16/01	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	1.100	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-13-01B	0913SEM1	9/12/2001	9/13/2001	11:20
2001 E1	EJUN01-16	E0100986	EF074 RWBL 061901	06/19/01	Tissue	Primary	Red-Winged Blackbir	Background	NA	Gravimetric	Moisture Content	81	1	NA	%	NA	1								
2001 E1	EJUN01-16	E0100986	EF074 RWBL 061901	06/19/01	Tissue	Primary	Red-Winged Blackbir	Background	7782-49-2	ICP, Hydride	Selenium	0.530	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-13-01B	0913SEM1	9/12/2001	9/13/2001	11:23
2001 E1	EJUN01-16	E0100986SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.405	0.005	MDL	ug/g	Wet Wt	1	0.446	91		VGICP_9-13-01B	0913SEM1	9/12/2001	9/13/2001	11:26
2001 E1	EJUN01-16	E0100987	RV069 AMRO 061901	06/19/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	81	1	NA	%	NA	1								
2001 E1	EJUN01-16	E0100987	RV069 AMRO 061901	06/19/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.520	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-19-01B	0918SEM1	9/19/2001	9/19/2001	11:32
2001 E1	EJUN01-16	E0100987B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	-0.000821	0.005	MDL	ug/g	Wet Wt	1				VGICP_9-19-01B	0918SEM1	9/19/2001	9/19/2001	11:17
2001 E1	EJUN01-16	E0100987BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0501	0.005	MDL	ug/g	Wet Wt	1	0.050	100		VGICP_9-19-01B	0918SEM1	9/19/2001	9/19/2001	11:29
2001 E1	EJUN01-16	E0100987CS	Check Standard	NA	Lab QC	ICV	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0498	0.005	MDL	ug/g	Wet Wt	1	0.050	100		VGICP_9-19-01B	0918SEM1	9/19/2001	9/19/2001	11:26
2001 E1	EJUN01-16	E0100987S1	TORT	NA	Tissue	SRM	NA	NA	7782-49-2	ICP, Hydride	Selenium	5.39	0.005	MDL	ug/g	Wet Wt	1	5.63	96		VGICP_9-19-01B	0918SEM1	9/19/2001	9/19/2001	11:17
2001 E1	EJUN01-16	E0100987SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.448	0.005	MDL	ug/g	Wet Wt	1	0.446	100		VGICP_9-19-01B	0918SEM1	9/19/2001	9/19/2001	11:17
2001 E1	EJUN01-16	E0100988	CH111 AMRO 061001	06/10/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EJUN01-16	E0100988	CH111 AMRO 061001	06/10/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.410	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-19-01B	0918SEM1	9/19/2001	9/19/2001	11:35
2001 E1	EJUN01-16	E0100988D	CH111 AMRO 061001	06/10/01	Tissue	Lab Dupl	American Robin	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUN01-16	E0100988MS	CH111 AMRO 061001	NA	Tissue	MS	NA	NA	7782-49-2	ICP, Hydride	Selenium	93	NA	NA	%				93		VGICP_9-19-01B	0918SEM1	9/19/2001	9/19/2001	11:37
2001 E1	EJUN01-16	E0100989	CH142 AMRO 062001	06/20/01	Tissue	Replicate	American Robin	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUN01-16	E0100989	CH142 AMRO 062001	06/20/01	Tissue	Replicate	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.460	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-19-01B	0918SEM1	9/19/2001	9/19/2001	11:40
2001 E1	EJUN01-16	E0100989-2	CH142 AMRO 062001	06/20/01	Tissue	Replicate	American Robin	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								

Event	UIASL Case #	UIASL Sample ID	Field Sample ID	Collection Date	Matrix	QC Type	Common Name	Spatial Relevance	CAS #	Method	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% Rec	QC Flag	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
2001 E1	EJUN01-16	E0100989-2	CH142 AMRO 062001	06/20/01	Tissue	Replicate	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.440	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-19-01B	0918SEM1	9/19/2001	9/19/2001	11:43
2001 E1	EJUN01-16	E0100990	AMRO AM022 061001	06/10/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EJUN01-16	E0100990	AMRO AM022 061001	06/10/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.350	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-19-01B	0918SEM1	9/19/2001	9/19/2001	11:46
2001 E1	EJUN01-16	E0100990D	AMRO AM022 061001	06/10/01	Tissue	Lab Dupl	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.340	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-19-01B	0918SEM1	9/19/2001	9/19/2001	11:49
2001 E1	EJUN01-16	E0100991	EF068 RWBL 061901	06/19/01	Tissue	Primary	Red-Winged Blackbir	Background	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUN01-16	E0100991	EF068 RWBL 061901	06/19/01	Tissue	Primary	Red-Winged Blackbir	Background	7782-49-2	ICP, Hydride	Selenium	0.400	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-19-01B	0918SEM1	9/19/2001	9/19/2001	11:52
2001 E1	EJUN01-16	E0100992	CR071 RWBL 061401	06/14/01	Tissue	Primary	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EJUN01-16	E0100992	CR071 RWBL 061401	06/14/01	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.580	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-19-01B	0918SEM1	9/19/2001	9/19/2001	12:05
2001 E1	EJUN01-16	E0100995	EF069 AMRO 061301	06/13/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EJUN01-16	E0100995	EF069 AMRO 061301	06/13/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.370	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-19-01B	0918SEM1	9/19/2001	9/19/2001	12:08
2001 E1	EJUN01-16	E0100995D	EF069 AMRO 061301	06/13/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.360	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-19-01B	0918SEM1	9/19/2001	9/19/2001	12:11
2001 E1	EJUN01-16	E0100996	AMRO AM023 061001	06/10/01	Tissue	Replicate	American Robin	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUN01-16	E0100996	AMRO AM023 061001	06/10/01	Tissue	Replicate	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.540	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-19-01B	0918SEM1	9/19/2001	9/19/2001	12:14
2001 E1	EJUN01-16	E0100996-2	AMRO AM023 061001	06/10/01	Tissue	Replicate	American Robin	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUN01-16	E0100996-2	AMRO AM023 061001	06/10/01	Tissue	Replicate	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.490	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-19-01B	0918SEM1	9/19/2001	9/19/2001	12:16
2001 E1	EJUN01-16	E0100997	CH104 RWBL 061501	06/15/01	Tissue	Primary	Red-Winged Blackbir	Mine	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUN01-16	E0100997	CH104 RWBL 061501	06/15/01	Tissue	Primary	Red-Winged Blackbir	Mine	7782-49-2	ICP, Hydride	Selenium	0.500	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-19-01B	0918SEM1	9/19/2001	9/19/2001	12:19
2001 E1	EJUN01-16	E0100998	EF056 RWBL 061001	06/10/01	Tissue	Primary	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EJUN01-16	E0100998	EF056 RWBL 061001	06/10/01	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	2.000	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-19-01B	0918SEM1	9/19/2001	9/19/2001	12:22
2001 E1	EJUN01-16	E0100999	SF070 RWBL 061501	06/15/01	Tissue	Primary	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EJUN01-16	E0100999	SF070 RWBL 061501	06/15/01	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	2.600	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-19-01B	0918SEM1	9/19/2001	9/19/2001	12:26
2001 E1	EJUN01-16	E0101000	AMRO AZ060 061201	06/12/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EJUN01-16	E0101000	AMRO AZ060 061201	06/12/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.380	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-19-01B	0918SEM1	9/19/2001	9/19/2001	12:29
2001 E1	EJUN01-16	E0101000D	AMRO AZ060 061201	06/12/01	Tissue	Lab Dupl	American Robin	Regional	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EJUN01-16	E0101000SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.441	0.005	MDL	ug/g	Wet Wt	1	0.446	99		VGICP_9-19-01B	0918SEM1	9/19/2001	9/19/2001	12:32
2001 E1	EJUN01-16	E0101001	RV063 AMRO 061301	06/13/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EJUN01-16	E0101001	RV063 AMRO 061301	06/13/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.500	0.01	MDL	ug/g	Wet Wt	1				VGICP-9-20-01B	0920SEM	9/20/2001	9/20/2001	9:54
2001 E1	EJUN01-16	E0101001B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	-0.000413	0.005	MDL	ug/g	Wet Wt	1				VGICP-9-20-01B	0920SEM	9/20/2001	9/20/2001	9:46
2001 E1	EJUN01-16	E0101001BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0477	0.005	MDL	ug/g	Wet Wt	1	0.050	95		VGICP-9-20-01B	0920SEM	9/20/2001	9/20/2001	9:52
2001 E1	EJUN01-16	E0101001CS	Check Standard	NA	Lab QC	ICV	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0480	0.005	MDL	ug/g	Wet Wt	1	0.050	96		VGICP-9-20-01B	0920SEM	9/20/2001	9/20/2001	9:49
2001 E1	EJUN01-16	E0101001MS	RV063 AMRO 061301	NA	Tissue	MS	NA	NA	7782-49-2	ICP, Hydride	Selenium	99	NA	NA	%				99		VGICP-9-20-01B	0920SEM	9/20/2001	9/20/2001	9:57
2001 E1	EJUN01-16	E0101001S1	TORT	NA	Tissue	SRM	NA	NA	7782-49-2	ICP, Hydride	Selenium	5.82	0.005	MDL	ug/g	Wet Wt	1	5.63	103		VGICP-9-20-01B	0920SEM	9/20/2001	9/20/2001	9:39
2001 E1	EJUN01-16	E0101001SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.450	0.005	MDL	ug/g	Wet Wt	1	0.446	101		VGICP-9-20-01B	0920SEM	9/20/2001	9/20/2001	9:39
2001 E1	EJUN01-16	E0101002	CH105 RWBL 061501	06/15/01	Tissue	Primary	Red-Winged Blackbir	Mine	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EJUN01-16	E0101002	CH105 RWBL 061501	06/15/01	Tissue	Primary	Red-Winged Blackbir	Mine	7782-49-2	ICP, Hydride	Selenium	0.580	0.01	MDL	ug/g	Wet Wt	1				VGICP-9-20-01B	0920SEM	9/20/2001	9/20/2001	10:00
2001 E1	EJUN01-16	E0101003	CH107 RWBL 061501	06/15/01	Tissue	Primary	Red-Winged Blackbir	Mine	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EJUN01-16	E0101003	CH107 RWBL 061501	06/15/01	Tissue	Primary	Red-Winged Blackbir	Mine	7782-49-2	ICP, Hydride	Selenium	3.300	0.01	MDL	ug/g	Wet Wt	1				VGICP-9-20-01B	0920SEM	9/20/2001	9/20/2001	10:03
2001 E1	EJUN01-16	E0101004	CR072 AMRO 061201	06/12/01	Tissue	Replicate	American Robin	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUN01-16	E0101004	CR072 AMRO 061201	06/12/01	Tissue	Replicate	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.440	0.01	MDL	ug/g	Wet Wt	1				VGICP-9-20-01B	0920SEM	9/20/2001	9/20/2001	10:06
2001 E1	EJUN01-16	E0101004-2	CR072 AMRO 061201	06/12/01	Tissue	Replicate	American Robin	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUN01-16	E0101004-2	CR072 AMRO 061201	06/12/01	Tissue	Replicate	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.450	0.01	MDL	ug/g	Wet Wt	1				VGICP-9-20-01B	0920SEM	9/20/2001	9/20/2001	10:09
2001 E1	EJUN01-20	E0101092	CR077 RWBL 062401	06/24/01	Tissue	Primary	Red-Winged Blackbir	Mine	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUN01-20	E0101092	CR077 RWBL 062401	06/24/01	Tissue	Primary	Red-Winged Blackbir	Mine	7782-49-2	ICP, Hydride	Selenium	1.800	0.01	MDL	ug/g	Wet Wt	1				VGICP-9-20-01B	0920SEM	9/20/2001	9/20/2001	10:12
2001 E1	EJUN01-20	E0101093	AMRO AZ087 062501	06/25/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EJUN01-20	E0101093	AMRO AZ087 062501	06/25/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.500	0.01	MDL	ug/g	Wet Wt	1				VGICP-9-20-01B	0920SEM	9/20/2001	9/20/2001	10:14
2001 E1	EJUN01-20	E0101093D	AMRO AZ087 062501	06/25/01	Tissue	Lab Dupl	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.520	0.01	MDL	ug/g	Wet Wt	1				VGICP-9-20-01B	0920SEM	9/20/2001	9/20/2001	10:17
2001 E1	EJUN01-20	E0101094	RWBL AZ075 062401	06/24/01	Tissue	Primary	Red-Winged Blackbir	Mine	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EJUN01-20	E0101094	RWBL AZ075 062401	06/24/01	Tissue	Primary	Red-Winged Blackbir	Mine	7782-49-2	ICP, Hydride	Selenium	0.660	0.01	MDL	ug/g	Wet Wt	1				VGICP-9-20-01B	0920SEM	9/20/2001	9/20/2001	10:20
2001 E1	EJUN01-20	E0101095	RV078 AMRO 062501	06/25/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EJUN01-20	E0101095	RV078 AMRO 062501	06/25/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.370	0.01	MDL	ug/g	Wet Wt	1				VGICP-9-20-01B	0920SEM	9/20/2001	9/20/2001	10:23
2001 E1	EJUN01-20	E0101096	EF071 RWBL 062401	06/24/01	Tissue	Primary	Red-Winged Blackbir	Mine	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EJUN01-20	E0101096	EF071 RWBL 062401	06/24/01	Tissue	Primary	Red-Winged Blackbir	Mine	7782-49-2	ICP, Hydride	Selenium	0.590	0.01	MDL	ug/g	Wet Wt	1				VGICP-9-20-01B	0920SEM	9/20/2001	9/20/2001	10:26
2001 E1	EJUN01-20	E0101097	AMRO AM080 062501	06/25/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EJUN01-20	E0101097	AMRO AM080 062501	06/25/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.530	0.01	MDL	ug/g	Wet Wt	1				VGICP-9-20-01B	0920SEM	9/20/2001	9/20/2001	10:29
2001 E1	EJUN01-20	E0101097MS	AMRO AM080 062501	NA	Tissue	MS	NA	NA	7782-49-2	ICP, Hydride	Selenium	131	NA	NA	%				131		VGICP-9-20-01B	0920SEM	9/20/2001	9/20/2001	10:32
2001 E1	EJUN01-20	E0101098	AMRO AZ086 062501	06/25/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
2001 E1	EJUN01-20	E0101098	AMRO AZ086 062501	06/25/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.760	0.01	MDL	ug/g	Wet Wt	1				VGICP-9-20-01B	0920SEM	9/20/2001	9/20/2001	10:34
2001 E1	EJUN01-20	E0101098D	AMRO AZ086 062501	06/25/01	Tissue	Lab Dupl	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.890	0.01	MDL	ug/g	Wet Wt	1				VGICP-9-20-01B	0920SEM	9/20/2001	9/20/2001	10:37
2001 E1	EJUN01-20	E0101099	RWBL AZ077 062401	06/24/01	Tissue	Primary	Red-Winged Blackbir	Mine	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EJUN01-20	E0101099	RWBL AZ077 062401	06/24/01	Tissue	Primary	Red-Winged Blackbir	Mine	7782-49-2	ICP, Hydride	Selenium	2.000	0.01	MDL	ug/g	Wet Wt	1				VGICP-9-20-01B	0920SEM	9/20/2001	9/20/2001	10:40
2001 E1	EJUN01-20	E0101099SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.431	0.005	MDL	ug/g	Wet Wt	1	0.446	97		VGICP-9-20-01B	0920SEM	9/20/2001	9/20/2001	10:43
2001 E1	EJUN01-20	E0101100	AMRO AZ084 062401	06/24/01	Tissue	Primary	American Robin	Background	NA	Gravimetric	Moisture Content	81	1	NA	%	NA	1								
2001 E1	EJUN01-20	E0101100	AMRO AZ084 062401	06/24/01	Tissue	Primary	American Robin	Background	7782-49-2	ICP, Hydride	Selenium	0.640	0.01	MDL	ug/g	Wet Wt	1				VGICP-9-20-01C	0920SEM1	9/20/2001	9/20/2001	11:18
2001 E1	EJUN01-20	E0101100B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.000633	0.005	MDL	ug/g	Wet Wt	1				VGICP-9-20-01C	0920SEM1	9/20/2001	9/20/2001	11:02
2001 E1	EJUN01-20	E0101100BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0489	0.005	MDL	ug/g	Wet Wt	1	0.050	98		VGICP-9-20-01C	0920SEM1	9/20/2001	9/20/2001	11:15

Event	UIASL Case #	UIASL Sample ID	Field Sample ID	Collection Date	Matrix	QC Type	Common Name	Spatial Relevance	CAS #	Method	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% Rec	QC Flag	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
2001 E1	EJUN01-20	E0101100CS	Check Standard	NA	Lab QC	ICV	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0491	0.005	MDL	ug/g	Wet Wt	1	0.050	98		VGICP-9-20-01C	0920SEM1	9/20/2001	9/20/2001	11:12
2001 E1	EJUN01-20	E0101100D	AMRO AZ084 062401	06/24/01	Tissue	Lab Dupl	American Robin	Background	NA	Gravimetric	Moisture Content	81	1	NA	%	NA	1								
2001 E1	EJUN01-20	E0101100S1	TORT	NA	Tissue	SRM	NA	NA	7782-49-2	ICP, Hydride	Selenium	5.89	0.005	MDL	ug/g	Wet Wt	1	5.63	105		VGICP-9-20-01C	0920SEM1	9/20/2001	9/20/2001	11:02
2001 E1	EJUN01-20	E0101100SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.472	0.005	MDL	ug/g	Wet Wt	1	0.446	106		VGICP-9-20-01C	0920SEM1	9/20/2001	9/20/2001	11:02
2001 E1	EJUN01-20	E0101101	CH178 AMRO 062401	06/24/01	Tissue	Replicate	American Robin	Regional	NA	Gravimetric	Moisture Content	80	1	NA	%	NA	1								
2001 E1	EJUN01-20	E0101101	CH178 AMRO 062401	06/24/01	Tissue	Replicate	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.460	0.01	MDL	ug/g	Wet Wt	1				VGICP-9-20-01C	0920SEM1	9/20/2001	9/20/2001	11:20
2001 E1	EJUN01-20	E0101101-2	CH178 AMRO 062401	06/24/01	Tissue	Replicate	American Robin	Regional	NA	Gravimetric	Moisture Content	81	1	NA	%	NA	1								
2001 E1	EJUN01-20	E0101101-2	CH178 AMRO 062401	06/24/01	Tissue	Replicate	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.460	0.01	MDL	ug/g	Wet Wt	1				VGICP-9-20-01C	0920SEM1	9/20/2001	9/20/2001	11:23
2001 E1	EJUN01-20	E0101102	CR100 AMRO 062501	06/25/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUN01-20	E0101102	CR100 AMRO 062501	06/25/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.550	0.01	MDL	ug/g	Wet Wt	1				VGICP-9-20-01C	0920SEM1	9/20/2001	9/20/2001	11:26
2001 E1	EJUN01-20	E0101103	EF079 AMR0 062401	06/24/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUN01-20	E0101103	EF079 AMR0 062401	06/24/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.300	0.01	MDL	ug/g	Wet Wt	1				VGICP-9-20-01C	0920SEM1	9/20/2001	9/20/2001	11:29
2001 E1	EJUN01-20	E0101103MS	EF079 AMR0 062401	NA	Tissue	MS	NA	NA	7782-49-2	ICP, Hydride	Selenium	95	NA	NA	%				95		VGICP-9-20-01C	0920SEM1	9/20/2001	9/20/2001	11:32
2001 E1	EJUN01-20	E0101104	SF091 RWBL 062501	06/25/01	Tissue	Primary	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	85	1	NA	%	NA	1								
2001 E1	EJUN01-20	E0101104	SF091 RWBL 062501	06/25/01	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	2.100	0.01	MDL	ug/g	Wet Wt	1				VGICP-9-20-01C	0920SEM1	9/20/2001	9/20/2001	11:35
2001 E1	EJUN01-20	E0101105	EF077 AMRO 062401	06/24/01	Tissue	Primary	American Robin	Background	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EJUN01-20	E0101105	EF077 AMRO 062401	06/24/01	Tissue	Primary	American Robin	Background	7782-49-2	ICP, Hydride	Selenium	0.420	0.01	MDL	ug/g	Wet Wt	1				VGICP-9-20-01C	0920SEM1	9/20/2001	9/20/2001	11:37
2001 E1	EJUN01-20	E0101105D	EF077 AMRO 062401	06/24/01	Tissue	Lab Dupl	American Robin	Background	7782-49-2	ICP, Hydride	Selenium	0.420	0.01	MDL	ug/g	Wet Wt	1				VGICP-9-20-01C	0920SEM1	9/20/2001	9/20/2001	11:40
2001 E1	EJUN01-20	E0101106	CH166 RWBL 062601	06/26/01	Tissue	Primary	Red-Winged Blackbir	Background	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EJUN01-20	E0101106	CH166 RWBL 062601	06/26/01	Tissue	Primary	Red-Winged Blackbir	Background	7782-49-2	ICP, Hydride	Selenium	0.470	0.01	MDL	ug/g	Wet Wt	1				VGICP-9-20-01C	0920SEM1	9/20/2001	9/20/2001	11:43
2001 E1	EJUN01-20	E0101107	CH171 RWBL 062601	06/26/01	Tissue	Primary	Red-Winged Blackbir	Background	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EJUN01-20	E0101107	CH171 RWBL 062601	06/26/01	Tissue	Primary	Red-Winged Blackbir	Background	7782-49-2	ICP, Hydride	Selenium	0.340	0.01	MDL	ug/g	Wet Wt	1				VGICP-9-20-01C	0920SEM1	9/20/2001	9/20/2001	11:46
2001 E1	EJUN01-20	E0101108	AMRO AM082 062101	06/21/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	81	1	NA	%	NA	1								
2001 E1	EJUN01-20	E0101108	AMRO AM082 062101	06/21/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.780	0.01	MDL	ug/g	Wet Wt	1				VGICP-9-20-01C	0920SEM1	9/20/2001	9/20/2001	11:49
2001 E1	EJUN01-20	E0101110	RWBL AZ076 062401	06/24/01	Tissue	Primary	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EJUN01-20	E0101110	RWBL AZ076 062401	06/24/01	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.580	0.01	MDL	ug/g	Wet Wt	1				VGICP-9-20-01C	0920SEM1	9/20/2001	9/20/2001	11:52
2001 E1	EJUN01-20	E0101111	CH155 AMRO 062401	06/24/01	Tissue	Replicate	American Robin	Background	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUN01-20	E0101111	CH155 AMRO 062401	06/24/01	Tissue	Replicate	American Robin	Background	7782-49-2	ICP, Hydride	Selenium	0.430	0.01	MDL	ug/g	Wet Wt	1				VGICP-9-20-01C	0920SEM1	9/20/2001	9/20/2001	11:55
2001 E1	EJUN01-20	E0101111-2	CH155 AMRO 062401	06/24/01	Tissue	Replicate	American Robin	Background	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUN01-20	E0101111-2	CH155 AMRO 062401	06/24/01	Tissue	Replicate	American Robin	Background	7782-49-2	ICP, Hydride	Selenium	0.450	0.01	MDL	ug/g	Wet Wt	1				VGICP-9-20-01C	0920SEM1	9/20/2001	9/20/2001	11:58
2001 E1	EJUN01-20	E0101113	CR084 AMRO 062201	06/22/01	Tissue	Primary	American Robin	Background	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EJUN01-20	E0101113	CR084 AMRO 062201	06/22/01	Tissue	Primary	American Robin	Background	7782-49-2	ICP, Hydride	Selenium	0.420	0.01	MDL	ug/g	Wet Wt	1				VGICP-9-20-01C	0920SEM1	9/20/2001	9/20/2001	12:00
2001 E1	EJUN01-20	E0101114	RV068 RWBL 062401	06/24/01	Tissue	Primary	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	79	1	NA	%	NA	1								
2001 E1	EJUN01-20	E0101114	RV068 RWBL 062401	06/24/01	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.650	0.01	MDL	ug/g	Wet Wt	1				VGICP-9-20-01C	0920SEM1	9/20/2001	9/20/2001	12:03
2001 E1	EJUN01-20	E0101114D	RV068 RWBL 062401	06/24/01	Tissue	Lab Dupl	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	81	1	NA	%	NA	1								
2001 E1	EJUN01-20	E0101114SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.468	0.005	MDL	ug/g	Wet Wt	1	0.446	105		VGICP-9-20-01C	0920SEM1	9/20/2001	9/20/2001	12:06
2001 E1	EJUN01-20	E0101116	CH151 RWBL 062401	06/24/01	Tissue	Primary	Red-Winged Blackbir	Background	NA	Gravimetric	Moisture Content	85	1	NA	%	NA	1								
2001 E1	EJUN01-20	E0101116	CH151 RWBL 062401	06/24/01	Tissue	Primary	Red-Winged Blackbir	Background	7782-49-2	ICP, Hydride	Selenium	0.920	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-8-01B	0808SEM1	8/8/2001	8/8/2001	17:24
2001 E1	EJUN01-20	E0101116B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	-0.000270	0.005	MDL	ug/g	Wet Wt	1				VGICP_8-8-01B	0808SEM1	8/8/2001	8/8/2001	17:15
2001 E1	EJUN01-20	E0101116BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0517	0.005	MDL	ug/g	Wet Wt	1	0.050	103		VGICP_8-8-01B	0808SEM1	8/8/2001	8/8/2001	17:21
2001 E1	EJUN01-20	E0101116CS	Check Standard	NA	Lab QC	ICV	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0513	0.005	MDL	ug/g	Wet Wt	1	0.050	103		VGICP_8-8-01B	0808SEM1	8/8/2001	8/8/2001	17:18
2001 E1	EJUN01-20	E0101116S1	TORT	NA	Tissue	SRM	NA	NA	7782-49-2	ICP, Hydride	Selenium	5.46	0.005	MDL	ug/g	Wet Wt	1	5.63	97		VGICP_8-8-01B	0808SEM1	8/8/2001	8/8/2001	17:09
2001 E1	EJUN01-20	E0101116SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.351	0.005	MDL	ug/g	Wet Wt	1	0.446	79		VGICP_8-8-01B	0808SEM1	8/8/2001	8/8/2001	17:09
2001 E1	EJUN01-20	E0101117	CH152 RWBL 062601	06/26/01	Tissue	Primary	Red-Winged Blackbir	Background	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EJUN01-20	E0101117	CH152 RWBL 062601	06/26/01	Tissue	Primary	Red-Winged Blackbir	Background	7782-49-2	ICP, Hydride	Selenium	0.700	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-8-01B	0808SEM1	8/8/2001	8/8/2001	17:27
2001 E1	EJUN01-20	E0101118	EF073 RWBL 062601	06/26/01	Tissue	Primary	Red-Winged Blackbir	Background	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EJUN01-20	E0101118	EF073 RWBL 062601	06/26/01	Tissue	Primary	Red-Winged Blackbir	Background	7782-49-2	ICP, Hydride	Selenium	0.510	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-8-01B	0808SEM1	8/8/2001	8/8/2001	17:30
2001 E1	EJUN01-20	E0101118MS	EF073 RWBL 062601	NA	Tissue	MS	NA	NA	7782-49-2	ICP, Hydride	Selenium	95	NA	NA	%				95		VGICP_8-8-01B	0808SEM1	8/8/2001	8/8/2001	17:33
2001 E1	EJUN01-20	E0101119	EF080 RWBL 062601	06/26/01	Tissue	Primary	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUN01-20	E0101119	EF080 RWBL 062601	06/26/01	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	2.300	0.01	MDL	ug/g	Wet Wt	10				VGICP_8-8-01B	0808SEM1	8/8/2001	8/8/2001	18:16
2001 E1	EJUN01-20	E0101120	EF076 AMRO 062401	06/24/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUN01-20	E0101120	EF076 AMRO 062401	06/24/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.420	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-8-01B	0808SEM1	8/8/2001	8/8/2001	17:38
2001 E1	EJUN01-20	E0101120D	EF076 AMRO 062401	06/24/01	Tissue	Lab Dupl	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.420	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-8-01B	0808SEM1	8/8/2001	8/8/2001	17:41
2001 E1	EJUN01-20	E0101121	CR088 AMRO 061901	06/19/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EJUN01-20	E0101121	CR088 AMRO 061901	06/19/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.480	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-8-01B	0808SEM1	8/8/2001	8/8/2001	17:44
2001 E1	EJUN01-20	E0101122	CH140 RWBL 062501	06/25/01	Tissue	Primary	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUN01-20	E0101122	CH140 RWBL 062501	06/25/01	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.760	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-8-01B	0808SEM1	8/8/2001	8/8/2001	17:47
2001 E1	EJUN01-20	E0101123	SF094 RWBL 062401	06/24/01	Tissue	Primary	Red-Winged Blackbir	Background	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EJUN01-20	E0101123	SF094 RWBL 062401	06/24/01	Tissue	Primary	Red-Winged Blackbir	Background	7782-49-2	ICP, Hydride	Selenium	0.700	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-8-01B	0808SEM1	8/8/2001	8/8/2001	17:50
2001 E1	EJUN01-20	E0101124	AMRO AM081 062501	06/25/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EJUN01-20	E0101124	AMRO AM081 062501	06/25/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.420	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-8-01B	0808SEM1	8/8/2001	8/8/2001	17:52
2001 E1	EJUN01-20	E0101124D	AMRO AM081 062501	06/25/01	Tissue	Lab Dupl	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.440	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-8-01B	0808SEM1	8/8/2001	8/8/2001	17:55
2001 E1	EJUN01-20	E0101125	RV070 AMRO 062501	06/25/01	Tissue	Replicate	American Robin	Regional	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EJUN01-20	E0101125	RV070 AMRO 062501	06/25/01	Tissue	Replicate	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.350	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-8-01B	0808SEM1	8/8/2001	8/8/2001	17:58
2001 E1	EJUN01-20	E0101125-2	RV070 AMRO 062501	06/25/01	Tissue	Replicate	American Robin	Regional	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								

Event	UIASL Case #	UIASL Sample ID	Field Sample ID	Collection Date	Matrix	QC Type	Common Name	Spatial Relevance	CAS #	Method	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% Rec	QC Flag	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
2001 E1	EJUN01-20	E0101125-2	RV070 AMRO 062501	06/25/01	Tissue	Replicate	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.330	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-8-01B	0808SEM1	8/8/2001	8/8/2001	18:01
2001 E1	EJUN01-20	E0101126	CR098 AMRO 062501	06/25/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EJUN01-20	E0101126	CR098 AMRO 062501	06/25/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.620	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-8-01B	0808SEM1	8/8/2001	8/8/2001	18:04
2001 E1	EJUN01-20	E0101126D	CR098 AMRO 062501	06/25/01	Tissue	Lab Dupl	American Robin	Regional	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EJUN01-20	E0101127	CH141 AMRO 062301	06/23/01	Tissue	Primary	American Robin	Mine	NA	Gravimetric	Moisture Content	85	1	NA	%	NA	1								
2001 E1	EJUN01-20	E0101127	CH141 AMRO 062301	06/23/01	Tissue	Primary	American Robin	Mine	7782-49-2	ICP, Hydride	Selenium	0.480	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-8-01B	0808SEM1	8/8/2001	8/8/2001	18:07
2001 E1	EJUN01-20	E0101127MS	CH141 AMRO 062301	NA	Tissue	MS	NA	NA	7782-49-2	ICP, Hydride	Selenium	93	NA	NA	%				93		VGICP_8-8-01B	0808SEM1	8/8/2001	8/8/2001	18:10
2001 E1	EJUN01-20	E0101127SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.347	0.005	MDL	ug/g	Wet Wt	1	0.446	78		VGICP_8-8-01B	0808SEM1	8/8/2001	8/8/2001	18:13
2001 E1	EJUN01-20	E0101128	CH128 RWBL 062001	06/20/01	Tissue	Primary	Red-Winged Blackbir	Background	NA	Gravimetric	Moisture Content	81	1	NA	%	NA	1								
2001 E1	EJUN01-20	E0101128	CH128 RWBL 062001	06/20/01	Tissue	Primary	Red-Winged Blackbir	Background	7782-49-2	ICP, Hydride	Selenium	0.650	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-27-01B	0926SEM	9/26/2001	9/27/2001	10:44
2001 E1	EJUN01-20	E0101128B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	-0.000131	0.005	MDL	ug/g	Wet Wt	1				VGICP_9-27-01B	0926SEM	9/26/2001	9/27/2001	10:32
2001 E1	EJUN01-20	E0101128BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0471	0.005	MDL	ug/g	Wet Wt	1	0.050	94		VGICP_9-27-01B	0926SEM	9/26/2001	9/27/2001	10:41
2001 E1	EJUN01-20	E0101128CS	Check Standard	NA	Lab QC	ICV	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0467	0.005	MDL	ug/g	Wet Wt	1	0.050	93		VGICP_9-27-01B	0926SEM	9/26/2001	9/27/2001	10:38
2001 E1	EJUN01-20	E0101128S1	TORT	NA	Tissue	SRM	NA	NA	7782-49-2	ICP, Hydride	Selenium	5.92	0.005	MDL	ug/g	Wet Wt	1	5.63	105		VGICP_9-27-01B	0926SEM	9/26/2001	9/27/2001	10:21
2001 E1	EJUN01-20	E0101128SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.492	0.005	MDL	ug/g	Wet Wt	1	0.446	110		VGICP_9-27-01B	0926SEM	9/26/2001	9/27/2001	10:32
2001 E1	EJUN01-20	E0101129	RWBL AZ081 062301	06/23/01	Tissue	Primary	Red-Winged Blackbir	Background	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EJUN01-20	E0101129	RWBL AZ081 062301	06/23/01	Tissue	Primary	Red-Winged Blackbir	Background	7782-49-2	ICP, Hydride	Selenium	0.820	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-27-01B	0926SEM	9/26/2001	9/27/2001	10:47
2001 E1	EJUN01-20	E0101131	CH133 RWBL 062501	06/25/01	Tissue	Primary	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EJUN01-20	E0101131	CH133 RWBL 062501	06/25/01	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	2.400	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-27-01B	0926SEM	9/26/2001	9/27/2001	10:49
2001 E1	EJUN01-20	E0101132	CH127 RWBL 062001	06/20/01	Tissue	Primary	Red-Winged Blackbir	Background	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUN01-20	E0101132	CH127 RWBL 062001	06/20/01	Tissue	Primary	Red-Winged Blackbir	Background	7782-49-2	ICP, Hydride	Selenium	0.660	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-27-01B	0926SEM	9/26/2001	9/27/2001	10:52
2001 E1	EJUN01-20	E0101133	CH135 RWBL 062201	06/22/01	Tissue	Primary	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUN01-20	E0101133	CH135 RWBL 062201	06/22/01	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	2.100	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-27-01B	0926SEM	9/26/2001	9/27/2001	10:55
2001 E1	EJUN01-20	E0101134	CH136 AMRO 062301	06/23/01	Tissue	Replicate	American Robin	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUN01-20	E0101134	CH136 AMRO 062301	06/23/01	Tissue	Replicate	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	1.400	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-27-01B	0926SEM	9/26/2001	9/27/2001	10:58
2001 E1	EJUN01-20	E0101134-2	CH136 AMRO 062301	06/23/01	Tissue	Replicate	American Robin	Regional	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EJUN01-20	E0101134-2	CH136 AMRO 062301	06/23/01	Tissue	Replicate	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	1.400	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-27-01B	0926SEM	9/26/2001	9/27/2001	11:01
2001 E1	EJUN01-20	E0101135	CH139 RWBL 062301	06/23/01	Tissue	Primary	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUN01-20	E0101135	CH139 RWBL 062301	06/23/01	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.600	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-27-01B	0926SEM	9/26/2001	9/27/2001	11:04
2001 E1	EJUN01-20	E0101136	SF095 RWBL 062201	06/22/01	Tissue	Primary	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUN01-20	E0101136	SF095 RWBL 062201	06/22/01	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	1.500	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-27-01B	0926SEM	9/26/2001	9/27/2001	11:06
2001 E1	EJUN01-20	E0101137	EF072 RWBL 062101	06/21/01	Tissue	Primary	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUN01-20	E0101137	EF072 RWBL 062101	06/21/01	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	5.100	0.01	MDL	ug/g	Wet Wt	10				VGICP_9-27-01B	0926SEM	9/26/2001	9/27/2001	11:41
2001 E1	EJUN01-20	E0101137D	EF072 RWBL 062101	06/21/01	Tissue	Lab Dupl	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	85	1	NA	%	NA	1								
2001 E1	EJUN01-20	E0101138	CH134 RWBL 062201	06/22/01	Tissue	Primary	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	85	1	NA	%	NA	1								
2001 E1	EJUN01-20	E0101138	CH134 RWBL 062201	06/22/01	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	2.600	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-27-01B	0926SEM	9/26/2001	9/27/2001	11:12
2001 E1	EJUN01-20	E0101138MS	CH134 RWBL 062201	NA	Tissue	MS	NA	NA	7782-49-2	ICP, Hydride	Selenium	122	NA	NA	%				122		VGICP_9-27-01B	0926SEM	9/26/2001	9/27/2001	11:15
2001 E1	EJUN01-20	E0101139	SF089 RWBL 062001	06/20/01	Tissue	Primary	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUN01-20	E0101139	SF089 RWBL 062001	06/20/01	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.930	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-27-01B	0926SEM	9/26/2001	9/27/2001	11:18
2001 E1	EJUN01-20	E0101141	EF067 RWBL 062101	06/21/01	Tissue	Primary	Red-Winged Blackbir	Mine	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EJUN01-20	E0101141	EF067 RWBL 062101	06/21/01	Tissue	Primary	Red-Winged Blackbir	Mine	7782-49-2	ICP, Hydride	Selenium	0.830	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-27-01B	0926SEM	9/26/2001	9/27/2001	11:21
2001 E1	EJUN01-20	E0101142	SF090 RWBL 062001	06/20/01	Tissue	Primary	Red-Winged Blackbir	Background	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EJUN01-20	E0101142	SF090 RWBL 062001	06/20/01	Tissue	Primary	Red-Winged Blackbir	Background	7782-49-2	ICP, Hydride	Selenium	0.660	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-27-01B	0926SEM	9/26/2001	9/27/2001	11:24
2001 E1	EJUN01-20	E0101143	SF096 RWBL 062601	06/26/01	Tissue	Primary	Red-Winged Blackbir	Background	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUN01-20	E0101143	SF096 RWBL 062601	06/26/01	Tissue	Primary	Red-Winged Blackbir	Background	7782-49-2	ICP, Hydride	Selenium	0.480	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-27-01B	0926SEM	9/26/2001	9/27/2001	11:27
2001 E1	EJUN01-20	E0101144	RV074 RWBL 062601	06/26/01	Tissue	Primary	Red-Winged Blackbir	Background	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EJUN01-20	E0101144	RV074 RWBL 062601	06/26/01	Tissue	Primary	Red-Winged Blackbir	Background	7782-49-2	ICP, Hydride	Selenium	1.600	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-27-01B	0926SEM	9/26/2001	9/27/2001	11:29
2001 E1	EJUN01-20	E0101145	CH162 AMRO 062201	06/22/01	Tissue	Primary	American Robin	Background	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUN01-20	E0101145	CH162 AMRO 062201	06/22/01	Tissue	Primary	American Robin	Background	7782-49-2	ICP, Hydride	Selenium	0.670	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-27-01B	0926SEM	9/26/2001	9/27/2001	11:32
2001 E1	EJUN01-20	E0101145	CH162 AMRO 062201	06/22/01	Tissue	Primary	American Robin	Background	7782-49-2	ICP, Hydride	Selenium	0.684	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-27-01B	0926SEM	9/26/2001	9/27/2001	11:35
2001 E1	EJUN01-20	E0101145SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.540	0.005	MDL	ug/g	Wet Wt	1	0.446	121		VGICP_9-27-01B	0926SEM	9/26/2001	9/27/2001	11:38
2001 E1	EJUN01-20	E0101146	SF093 AMRO 062301	06/23/01	Tissue	Primary	American Robin	Mine	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EJUN01-20	E0101146	SF093 AMRO 062301	06/23/01	Tissue	Primary	American Robin	Mine	7782-49-2	ICP, Hydride	Selenium	0.730	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-27-01A	0925SEM	9/26/2001	9/27/2001	12:18
2001 E1	EJUN01-20	E0101146B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.000824	0.005	MDL	ug/g	Wet Wt	1				VGICP_9-27-01A	0925SEM	9/26/2001	9/27/2001	12:07
2001 E1	EJUN01-20	E0101146BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0491	0.005	MDL	ug/g	Wet Wt	1	0.050	98		VGICP_9-27-01A	0925SEM	9/26/2001	9/27/2001	12:15
2001 E1	EJUN01-20	E0101146CS	Check Standard	NA	Lab QC	ICV	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0488	0.005	MDL	ug/g	Wet Wt	1	0.050	98		VGICP_9-27-01A	0925SEM	9/26/2001	9/27/2001	12:10
2001 E1	EJUN01-20	E0101146S1	TORT	NA	Tissue	SRM	NA	NA	7782-49-2	ICP, Hydride	Selenium	5.84	0.005	MDL	ug/g	Wet Wt	1	5.63	104		VGICP_9-27-01A	0925SEM	9/26/2001	9/27/2001	12:01
2001 E1	EJUN01-20	E0101146SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.543	0.005	MDL	ug/g	Wet Wt	1	0.446	122		VGICP_9-27-01A	0925SEM	9/26/2001	9/27/2001	12:01
2001 E1	EJUL01-03	E0101282	CH173 RWBL 062701	06/27/01	Tissue	Primary	Red-Winged Blackbir	Background	NA	Gravimetric	Moisture Content	87	1	NA	%	NA	1								
2001 E1	EJUL01-03	E0101282	CH173 RWBL 062701	06/27/01	Tissue	Primary	Red-Winged Blackbir	Background	7782-49-2	ICP, Hydride	Selenium	0.470	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-27-01A	0925SEM	9/26/2001	9/27/2001	12:20
2001 E1	EJUL01-03	E0101283	CH137 AMRO 062801	06/28/01	Tissue	Replicate	American Robin	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUL01-03	E0101283	CH137 AMRO 062801	06/28/01	Tissue	Replicate	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	2.400	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-27-01A	0925SEM	9/26/2001	9/27/2001	12:23
2001 E1	EJUL01-03	E0101283-2	CH137 AMRO 062801	06/28/01	Tissue	Replicate	American Robin	Regional	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EJUL01-03	E0101283-2	CH137 AMRO 062801	06/28/01	Tissue	Replicate	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	2.400	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-27-01A	0925SEM	9/26/2001	9/27/2001	12:26
2001 E1	EJUL01-03	E0101284	EF086 RWBL 062801	06/28/01	Tissue	Primary	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								

Event	UIASL Case #	UIASL Sample ID	Field Sample ID	Collection Date	Matrix	QC Type	Common Name	Spatial Relevance	CAS #	Method	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% Rec	QC Flag	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
2001 E1	EJUL01-03	E0101284	EF086 RWBL 062801	06/28/01	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	2.500	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-27-01A	0925SEM	9/26/2001	9/27/2001	12:29
2001 E1	EJUL01-03	E0101284D	EF086 RWBL 062801	06/28/01	Tissue	Lab Dupl	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EJUL01-03	E0101285	CR097 RWBL 062701	06/27/01	Tissue	Primary	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EJUL01-03	E0101285	CR097 RWBL 062701	06/27/01	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.400	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-27-01A	0925SEM	9/26/2001	9/27/2001	12:32
2001 E1	EJUL01-03	E0101286	EF083 RWBL 063001	06/30/01	Tissue	Primary	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUL01-03	E0101286	EF083 RWBL 063001	06/30/01	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	3.000	0.01	MDL	ug/g	Wet Wt	10				VGICP_9-27-01A	0925SEM	9/26/2001	9/27/2001	13:13
2001 E1	EJUL01-03	E0101287	AMRO AM089 070101	07/01/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUL01-03	E0101287	AMRO AM089 070101	07/01/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.420	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-27-01A	0925SEM	9/26/2001	9/27/2001	12:37
2001 E1	EJUL01-03	E0101287MS	AMRO AM089 070101	NA	Tissue	MS	NA	NA	7782-49-2	ICP, Hydride	Selenium	112	NA	NA	%				112		VGICP_9-27-01A	0925SEM	9/26/2001	9/27/2001	12:40
2001 E1	EJUL01-03	E0101288	CH194 RWBL 063001	06/30/01	Tissue	Primary	Red-Winged Blackbir	Background	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUL01-03	E0101288	CH194 RWBL 063001	06/30/01	Tissue	Primary	Red-Winged Blackbir	Background	7782-49-2	ICP, Hydride	Selenium	0.450	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-27-01A	0925SEM	9/26/2001	9/27/2001	12:43
2001 E1	EJUL01-03	E0101289	CH175 AMRO 063001	06/30/01	Tissue	Primary	American Robin	Background	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EJUL01-03	E0101289	CH175 AMRO 063001	06/30/01	Tissue	Primary	American Robin	Background	7782-49-2	ICP, Hydride	Selenium	0.650	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-27-01A	0925SEM	9/26/2001	9/27/2001	12:46
2001 E1	EJUL01-03	E0101290	CH196 AMRO 063001	06/30/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUL01-03	E0101290	CH196 AMRO 063001	06/30/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.530	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-27-01A	0925SEM	9/26/2001	9/27/2001	12:49
2001 E1	EJUL01-03	E0101290D	CH196 AMRO 063001	06/30/01	Tissue	Lab Dupl	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.520	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-27-01A	0925SEM	9/26/2001	9/27/2001	12:55
2001 E1	EJUL01-03	E0101291	EF085 RWBL 062701	06/27/01	Tissue	Primary	Red-Winged Blackbir	Mine	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUL01-03	E0101291	EF085 RWBL 062701	06/27/01	Tissue	Primary	Red-Winged Blackbir	Mine	7782-49-2	ICP, Hydride	Selenium	1.000	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-27-01A	0925SEM	9/26/2001	9/27/2001	12:58
2001 E1	EJUL01-03	E0101292	SF117 AMRO 070901	07/09/01	Tissue	Primary	American Robin	Background	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUL01-03	E0101292	SF117 AMRO 070901	07/09/01	Tissue	Primary	American Robin	Background	7782-49-2	ICP, Hydride	Selenium	0.420	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-27-01A	0925SEM	9/26/2001	9/27/2001	13:01
2001 E1	EJUL01-03	E0101292D	SF117 AMRO 070901	07/09/01	Tissue	Lab Dupl	American Robin	Background	7782-49-2	ICP, Hydride	Selenium	0.420	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-27-01A	0925SEM	9/26/2001	9/27/2001	13:03
2001 E1	EJUL01-03	E0101293	SF116 RWBL 070801	07/08/01	Tissue	Primary	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUL01-03	E0101293	SF116 RWBL 070801	07/08/01	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.430	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-27-01A	0925SEM	9/26/2001	9/27/2001	13:06
2001 E1	EJUL01-03	E0101293SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.511	0.005	MDL	ug/g	Wet Wt	1	0.446	115		VGICP_9-27-01A	0925SEM	9/26/2001	9/27/2001	13:09
2001 E1	EJUL01-03	E0101294	EF088 RWBL 070101	07/01/01	Tissue	Primary	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	81	1	NA	%	NA	1								
2001 E1	EJUL01-03	E0101294	EF088 RWBL 070101	07/01/01	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	2.200	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-24-01	0924SEM	9/24/2001	9/24/2001	11:12
2001 E1	EJUL01-03	E0101294B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	-0.000127	0.005	MDL	ug/g	Wet Wt	1				VGICP_9-24-01	0924SEM	9/24/2001	9/24/2001	10:59
2001 E1	EJUL01-03	E0101294BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0492	0.005	MDL	ug/g	Wet Wt	1	0.050	98		VGICP_9-24-01	0924SEM	9/24/2001	9/24/2001	11:08
2001 E1	EJUL01-03	E0101294CS	Check Standard	NA	Lab QC	ICV	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0487	0.005	MDL	ug/g	Wet Wt	1	0.050	97		VGICP_9-24-01	0924SEM	9/24/2001	9/24/2001	11:05
2001 E1	EJUL01-03	E0101294S1	TORT	NA	Tissue	SRM	NA	NA	7782-49-2	ICP, Hydride	Selenium	5.19	0.005	MDL	ug/g	Wet Wt	1	5.63	92		VGICP_9-24-01	0924SEM	9/24/2001	9/24/2001	10:51
2001 E1	EJUL01-03	E0101294SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.316	0.005	MDL	ug/g	Wet Wt	1	0.446	71		VGICP_9-24-01	0924SEM	9/24/2001	9/24/2001	10:59
2001 E1	EJUL01-03	E0101295	CH203 AMRO 063001	06/30/01	Tissue	Replicate	American Robin	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUL01-03	E0101295	CH203 AMRO 063001	06/30/01	Tissue	Replicate	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.300	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-24-01	0924SEM	9/24/2001	9/24/2001	11:15
2001 E1	EJUL01-03	E0101295-2	CH203 AMRO 063001	06/30/01	Tissue	Replicate	American Robin	Regional	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EJUL01-03	E0101295-2	CH203 AMRO 063001	06/30/01	Tissue	Replicate	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.300	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-24-01	0924SEM	9/24/2001	9/24/2001	11:18
2001 E1	EJUL01-03	E0101296	SF101 AMRO 070301	07/03/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	81	1	NA	%	NA	1								
2001 E1	EJUL01-03	E0101296	SF101 AMRO 070301	07/03/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.550	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-24-01	0924SEM	9/24/2001	9/24/2001	11:21
2001 E1	EJUL01-03	E0101296D	SF101 AMRO 070301	07/03/01	Tissue	Lab Dupl	American Robin	Regional	NA	Gravimetric	Moisture Content	81	1	NA	%	NA	1								
2001 E1	EJUL01-03	E0101296MS	SF101 AMRO 070301	NA	Tissue	MS	NA	NA	7782-49-2	ICP, Hydride	Selenium	86	NA	NA	%				86		VGICP_9-24-01	0924SEM	9/24/2001	9/24/2001	11:24
2001 E1	EJUL01-03	E0101297	RV086 RWBL 070201	07/02/01	Tissue	Primary	Red-Winged Blackbir	Background	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUL01-03	E0101297	RV086 RWBL 070201	07/02/01	Tissue	Primary	Red-Winged Blackbir	Background	7782-49-2	ICP, Hydride	Selenium	0.430	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-24-01	0924SEM	9/24/2001	9/24/2001	11:26
2001 E1	EJUL01-03	E0101299	CR096 AMRO 063001	06/30/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUL01-03	E0101299	CR096 AMRO 063001	06/30/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.460	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-24-01	0924SEM	9/24/2001	9/24/2001	11:29
2001 E1	EJUL01-03	E0101300	CH182 RWBL 062901	06/29/01	Tissue	Primary	Red-Winged Blackbir	Background	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUL01-03	E0101300	CH182 RWBL 062901	06/29/01	Tissue	Primary	Red-Winged Blackbir	Background	7782-49-2	ICP, Hydride	Selenium	0.700	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-24-01	0924SEM	9/24/2001	9/24/2001	11:32
2001 E1	EJUL01-03	E0101301	CH199 AMRO 070701	07/01/01	Tissue	Primary	American Robin	Background	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUL01-03	E0101301	CH199 AMRO 070701	07/01/01	Tissue	Primary	American Robin	Background	7782-49-2	ICP, Hydride	Selenium	0.370	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-24-01	0924SEM	9/24/2001	9/24/2001	11:35
2001 E1	EJUL01-03	E0101301D	CH199 AMRO 070701	07/01/01	Tissue	Lab Dupl	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.380	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-24-01	0924SEM	9/24/2001	9/24/2001	11:38
2001 E1	EJUL01-03	E0101302	CH207 AMRO 070601	07/06/01	Tissue	Primary	American Robin	Mine	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EJUL01-03	E0101302	CH207 AMRO 070601	07/06/01	Tissue	Primary	American Robin	Mine	7782-49-2	ICP, Hydride	Selenium	0.620	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-24-01	0924SEM	9/24/2001	9/24/2001	11:41
2001 E1	EJUL01-03	E0101303	SF115 RWBL 070801	07/08/01	Tissue	Primary	Red-Winged Blackbir	Background	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUL01-03	E0101303	SF115 RWBL 070801	07/08/01	Tissue	Primary	Red-Winged Blackbir	Background	7782-49-2	ICP, Hydride	Selenium	0.350	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-24-01	0924SEM	9/24/2001	9/24/2001	11:44
2001 E1	EJUL01-03	E0101304	CH211 RWBL 070701	07/01/01	Tissue	Primary	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EJUL01-03	E0101304	CH211 RWBL 070701	07/01/01	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	1.900	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-24-01	0924SEM	9/24/2001	9/24/2001	11:47
2001 E1	EJUL01-03	E0101305	SF110 AMRO 070601	07/06/01	Tissue	Replicate	American Robin	Regional	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EJUL01-03	E0101305	SF110 AMRO 070601	07/06/01	Tissue	Replicate	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.630	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-24-01	0924SEM	9/24/2001	9/24/2001	11:50
2001 E1	EJUL01-03	E0101305-2	SF110 AMRO 070601	07/06/01	Tissue	Replicate	American Robin	Regional	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EJUL01-03	E0101305-2	SF110 AMRO 070601	07/06/01	Tissue	Replicate	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.670	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-24-01	0924SEM	9/24/2001	9/24/2001	11:53
2001 E1	EJUL01-03	E0101306	EF095 RWBL 070501	07/05/01	Tissue	Primary	Red-Winged Blackbir	Background	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUL01-03	E0101306	EF095 RWBL 070501	07/05/01	Tissue	Primary	Red-Winged Blackbir	Background	7782-49-2	ICP, Hydride	Selenium	0.500	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-24-01	0924SEM	9/24/2001	9/24/2001	11:56
2001 E1	EJUL01-03	E0101307	RWBL AM090 070801	07/08/01	Tissue	Primary	Red-Winged Blackbir	Background	NA	Gravimetric	Moisture Content	81	1	NA	%	NA	1								
2001 E1	EJUL01-03	E0101307	RWBL AM090 070801	07/08/01	Tissue	Primary	Red-Winged Blackbir	Background	7782-49-2	ICP, Hydride	Selenium	0.570	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-24-01	0924SEM	9/24/2001	9/24/2001	11:59
2001 E1	EJUL01-03	E0101307D	RWBL AM090 070801	07/08/01	Tissue	Lab Dupl	Red-Winged Blackbir	Background	NA	Gravimetric	Moisture Content	81	1	NA	%	NA	1								
2001 E1	EJUL01-03	E0101307SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.481	0.005	MDL	ug/g	Wet Wt	1	0.446	108		VGICP_9-24-01	0924SEM	9/24/2001	9/24/2001	12:02
2001 E1	EJUL01-03	E0101308	CR104 AMRO 070901	07/09/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								

Event	UIASL Case #	UIASL Sample ID	Field Sample ID	Collection Date	Matrix	QC Type	Common Name	Spatial Relevance	CAS #	Method	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% Rec	QC Flag	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
2001 E1	EJUL01-03	E0101308	CR104 AMRO 070901	07/09/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.450	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-20-01A	0919SEM	9/20/2001	9/20/2001	14:06
2001 E1	EJUL01-03	E0101308B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	-0.00322	0.005	MDL	ug/g	Wet Wt	1				VGICP_9-20-01A	0919SEM	9/20/2001	9/20/2001	13:50
2001 E1	EJUL01-03	E0101308BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0505	0.005	MDL	ug/g	Wet Wt	1	0.050	101		VGICP_9-20-01A	0919SEM	9/20/2001	9/20/2001	14:03
2001 E1	EJUL01-03	E0101308CS	Check Standard	NA	Lab QC	ICV	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0506	0.005	MDL	ug/g	Wet Wt	1	0.050	101		VGICP_9-20-01A	0919SEM	9/20/2001	9/20/2001	14:00
2001 E1	EJUL01-03	E0101308D	CR104 AMRO 070901	07/09/01	Tissue	Lab Dupl	American Robin	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUL01-03	E0101308MS	CR104 AMRO 070901	NA	Tissue	MS	NA	NA	7782-49-2	ICP, Hydride	Selenium	119	NA	NA	%				119		VGICP_9-20-01A	0919SEM	9/20/2001	9/20/2001	14:09
2001 E1	EJUL01-03	E0101308S1	TORT	NA	Tissue	SRM	NA	NA	7782-49-2	ICP, Hydride	Selenium	5.66	0.005	MDL	ug/g	Wet Wt	1	5.63	101		VGICP_9-20-01A	0919SEM	9/20/2001	9/20/2001	13:50
2001 E1	EJUL01-03	E0101308SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.375	0.005	MDL	ug/g	Wet Wt	1	0.446	84		VGICP_9-20-01A	0919SEM	9/20/2001	9/20/2001	13:50
2001 E1	EJUL01-03	E0101309	CH214 RWBL 070801	07/08/01	Tissue	Primary	Red-Winged Blackbir	Background	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EJUL01-03	E0101309	CH214 RWBL 070801	07/08/01	Tissue	Primary	Red-Winged Blackbir	Background	7782-49-2	ICP, Hydride	Selenium	0.530	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-20-01A	0919SEM	9/20/2001	9/20/2001	14:12
2001 E1	EJUL01-03	E0101310	RWBL AZ091 070201	07/02/01	Tissue	Primary	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	78	1	NA	%	NA	1								
2001 E1	EJUL01-03	E0101310	RWBL AZ091 070201	07/02/01	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.490	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-20-01A	0919SEM	9/20/2001	9/20/2001	14:14
2001 E1	EJUL01-03	E0101311	AMRO AZ089 070201	07/02/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUL01-03	E0101311	AMRO AZ089 070201	07/02/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	1.200	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-20-01A	0919SEM	9/20/2001	9/20/2001	14:17
2001 E1	EJUL01-03	E0101312	AMRO AM088 062801	06/28/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUL01-03	E0101312	AMRO AM088 062801	06/28/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.620	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-20-01A	0919SEM	9/20/2001	9/20/2001	14:20
2001 E1	EJUL01-03	E0101312D	AMRO AM088 062801	06/28/01	Tissue	Lab Dupl	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.620	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-20-01A	0919SEM	9/20/2001	9/20/2001	14:23
2001 E1	EJUL01-03	E0101313	SF114 AMRO 070401	07/04/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUL01-03	E0101313	SF114 AMRO 070401	07/04/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.490	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-20-01A	0919SEM	9/20/2001	9/20/2001	14:26
2001 E1	EJUL01-03	E0101314	CH138 AMRO 070101	07/01/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUL01-03	E0101314	CH138 AMRO 070101	07/01/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.930	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-20-01A	0919SEM	9/20/2001	9/20/2001	14:29
2001 E1	EJUL01-03	E0101314D	CH138 AMRO 070101	07/01/01	Tissue	Lab Dupl	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.940	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-20-01A	0919SEM	9/20/2001	9/20/2001	14:31
2001 E1	EJUL01-03	E0101315	CH209 AMRO 070401	07/04/01	Tissue	Replicate	American Robin	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUL01-03	E0101315	CH209 AMRO 070401	07/04/01	Tissue	Replicate	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.490	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-20-01A	0919SEM	9/20/2001	9/20/2001	14:34
2001 E1	EJUL01-03	E0101315-2	CH209 AMRO 070401	07/04/01	Tissue	Replicate	American Robin	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUL01-03	E0101315-2	CH209 AMRO 070401	07/04/01	Tissue	Replicate	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.530	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-20-01A	0919SEM	9/20/2001	9/20/2001	14:37
2001 E1	EJUL01-03	E0101316	AMRO AZ090 062801	06/28/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUL01-03	E0101316	AMRO AZ090 062801	06/28/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.720	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-20-01A	0919SEM	9/20/2001	9/20/2001	14:40
2001 E1	EJUL01-03	E0101317	CH202 AMRO 070101	07/01/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EJUL01-03	E0101317	CH202 AMRO 070101	07/01/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.390	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-20-01A	0919SEM	9/20/2001	9/20/2001	14:43
2001 E1	EJUL01-03	E0101317MS	CH202 AMRO 070101	NA	Tissue	MS	NA	NA	7782-49-2	ICP, Hydride	Selenium	98	NA	NA	%				98		VGICP_9-20-01A	0919SEM	9/20/2001	9/20/2001	14:46
2001 E1	EJUL01-03	E0101318	RV071 RWBL 062701	06/27/01	Tissue	Primary	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EJUL01-03	E0101318	RV071 RWBL 062701	06/27/01	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.320	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-20-01A	0919SEM	9/20/2001	9/20/2001	14:49
2001 E1	EJUL01-03	E0101319	EF090 AMRO 062801	06/28/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUL01-03	E0101319	EF090 AMRO 062801	06/28/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.490	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-20-01A	0919SEM	9/20/2001	9/20/2001	14:52
2001 E1	EJUL01-03	E0101319SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.414	0.005	MDL	ug/g	Wet Wt	1	0.446	93		VGICP_9-20-01A	0919SEM	9/20/2001	9/20/2001	14:54
2001 E1	EJUL01-03	E0101320	RV076 RWBL 062801	06/28/01	Tissue	Primary	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EJUL01-03	E0101320	RV076 RWBL 062801	06/28/01	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	2.200	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-21-01	0921SEM	9/21/2001	9/21/2001	8:58
2001 E1	EJUL01-03	E0101320B	Laboratory Blank	NA	Tissue	MB	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.00033	0.005	MDL	ug/g	Wet Wt	1				VGICP_9-21-01	0921SEM	9/21/2001	9/21/2001	8:40
2001 E1	EJUL01-03	E0101320BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0502	0.005	MDL	ug/g	Wet Wt	1	0.050	100		VGICP_9-21-01	0921SEM	9/21/2001	9/21/2001	8:55
2001 E1	EJUL01-03	E0101320CS	Check Standard	NA	Lab QC	ICV	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0493	0.005	MDL	ug/g	Wet Wt	1	0.050	99		VGICP_9-21-01	0921SEM	9/21/2001	9/21/2001	8:40
2001 E1	EJUL01-03	E0101320D	RV076 RWBL 062801	06/28/01	Tissue	Lab Dupl	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EJUL01-03	E0101320S1	TORT	NA	Tissue	SRM	NA	NA	7782-49-2	ICP, Hydride	Selenium	6.01	0.005	MDL	ug/g	Wet Wt	1	5.63	107		VGICP_9-21-01	0921SEM	9/21/2001	9/21/2001	8:40
2001 E1	EJUL01-03	E0101320SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.530	0.005	MDL	ug/g	Wet Wt	1	0.446	119		VGICP_9-21-01	0921SEM	9/21/2001	9/21/2001	8:40
2001 E1	EJUL01-03	E0101321	RV077 RWBL 062801	06/28/01	Tissue	Primary	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EJUL01-03	E0101321	RV077 RWBL 062801	06/28/01	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	1.400	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-21-01	0921SEM	9/21/2001	9/21/2001	9:01
2001 E1	EJUL01-03	E0101322	RV072 RWBL 062701	06/27/01	Tissue	Primary	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EJUL01-03	E0101322	RV072 RWBL 062701	06/27/01	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.650	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-21-01	0921SEM	9/21/2001	9/21/2001	9:04
2001 E1	EJUL01-03	E0101323	CH181 RWBL 070201	07/02/01	Tissue	Primary	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUL01-03	E0101323	CH181 RWBL 070201	07/02/01	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.540	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-21-01	0921SEM	9/21/2001	9/21/2001	9:07
2001 E1	EJUL01-03	E0101323D	CH181 RWBL 070201	07/02/01	Tissue	Lab Dupl	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EJUL01-03	E0101324	EF084 RWBL 062701	06/27/01	Tissue	Primary	Red-Winged Blackbir	Mine	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EJUL01-03	E0101324	EF084 RWBL 062701	06/27/01	Tissue	Primary	Red-Winged Blackbir	Mine	7782-49-2	ICP, Hydride	Selenium	0.930	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-21-01	0921SEM	9/21/2001	9/21/2001	9:10
2001 E1	EJUL01-03	E0101325	EF089 RWBL 070101	07/01/01	Tissue	Primary	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EJUL01-03	E0101325	EF089 RWBL 070101	07/01/01	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	1.900	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-21-01	0921SEM	9/21/2001	9/21/2001	9:13
2001 E1	EJUL01-03	E0101326	CH198 RWBL 063001	06/30/01	Tissue	Primary	Red-Winged Blackbir	Background	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EJUL01-03	E0101326	CH198 RWBL 063001	06/30/01	Tissue	Primary	Red-Winged Blackbir	Background	7782-49-2	ICP, Hydride	Selenium	0.440	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-21-01	0921SEM	9/21/2001	9/21/2001	9:15
2001 E1	EJUL01-03	E0101327	RV075 AMRO 062701	06/27/01	Tissue	Replicate	American Robin	Mine	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EJUL01-03	E0101327	RV075 AMRO 062701	06/27/01	Tissue	Replicate	American Robin	Mine	7782-49-2	ICP, Hydride	Selenium	0.630	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-21-01	0921SEM	9/21/2001	9/21/2001	9:18
2001 E1	EJUL01-03	E0101327-2	RV075 AMRO 062701	06/27/01	Tissue	Replicate	American Robin	Mine	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EJUL01-03	E0101327-2	RV075 AMRO 062701	06/27/01	Tissue	Replicate	American Robin	Mine	7782-49-2	ICP, Hydride	Selenium	0.640	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-21-01	0921SEM	9/21/2001	9/21/2001	9:21
2001 E1	EJUL01-03	E0101328	CH201 AMRO 070401	07/04/01	Tissue	Primary	American Robin	Background	NA	Gravimetric	Moisture Content	80	1	NA	%	NA	1								
2001 E1	EJUL01-03	E0101328	CH201 AMRO 070401	07/04/01	Tissue	Primary	American Robin	Background	7782-49-2	ICP, Hydride	Selenium	0.470	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-21-01	0921SEM	9/21/2001	9/21/2001	9:24
2001 E1	EJUL01-03	E0101329	SF112 RWBL 070301	07/03/01	Tissue	Primary	Red-Winged Blackbir	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUL01-03	E0101329	SF112 RWBL 070301	07/03/01	Tissue	Primary	Red-Winged Blackbir	Regional	7782-49-2	ICP, Hydride	Selenium	0.970	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-21-01	0921SEM	9/21/2001	9/21/2001	9:27

Event	UIASL Case #	UIASL Sample ID	Field Sample ID	Collection Date	Matrix	QC Type	Common Name	Spatial Relevance	CAS #	Method	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% Rec	QC Flag	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed
2001 E1	EJUL01-03	E0101329MS	SF112 RWBL 070301	NA	Tissue	MS	NA	NA	7782-49-2	ICP, Hydride	Selenium	103	NA	NA	%				103		VGICP_9-21-01	0921SEM	9/21/2001	9/21/2001	9:30
2001 E1	EJUL01-03	E0101331	CH191 RWBL 063001	06/30/01	Tissue	Primary	Red-Winged Blackbir	Background	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EJUL01-03	E0101331	CH191 RWBL 063001	06/30/01	Tissue	Primary	Red-Winged Blackbir	Background	7782-49-2	ICP, Hydride	Selenium	0.360	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-21-01	0921SEM	9/21/2001	9/21/2001	9:33
2001 E1	EJUL01-03	E0101332	CH149 RWBL 062701	06/27/01	Tissue	Primary	Red-Winged Blackbir	Mine	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EJUL01-03	E0101332	CH149 RWBL 062701	06/27/01	Tissue	Primary	Red-Winged Blackbir	Mine	7782-49-2	ICP, Hydride	Selenium	0.800	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-21-01	0921SEM	9/21/2001	9/21/2001	9:35
2001 E1	EJUL01-03	E0101332D	CH149 RWBL 062701	06/27/01	Tissue	Lab Dupl	Red-Winged Blackbir	Mine	7782-49-2	ICP, Hydride	Selenium	0.820	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-21-01	0921SEM	9/21/2001	9/21/2001	9:38
2001 E1	EJUL01-03	E0101334	EF091 RWBL 070301	07/03/01	Tissue	Primary	Red-Winged Blackbir	Mine	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EJUL01-03	E0101334	EF091 RWBL 070301	07/03/01	Tissue	Primary	Red-Winged Blackbir	Mine	7782-49-2	ICP, Hydride	Selenium	1.600	0.01	MDL	ug/g	Wet Wt	1				VGICP_9-21-01	0921SEM	9/21/2001	9/21/2001	9:41
2001 E1	EJUL01-03	E0101334SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.425	0.005	MDL	ug/g	Wet Wt	1	0.446	95		VGICP_9-21-01	0921SEM	9/21/2001	9/21/2001	9:44
2001 E1	EJUL01-06	E0101354	CH213 AMRO 071001	07/10/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	84	1	NA	%	NA	1								
2001 E1	EJUL01-06	E0101354	CH213 AMRO 071001	07/10/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	2.000	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-13-01	0813SEH	8/13/2001	8/13/2001	12:47
2001 E1	EJUL01-06	E0101354BS	Lab Blank Spike	NA	Tissue	LCS	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.0470	0.005	MDL	ug/g	Wet Wt	1	0.050	94		VGICP_8-13-01	0813SEH	8/13/2001	8/13/2001	12:38
2001 E1	EJUL01-06	E0101354S1	TORT	NA	Tissue	SRM	NA	NA	7782-49-2	ICP, Hydride	Selenium	4.99	0.005	MDL	ug/g	Wet Wt	1	5.63	89		VGICP_8-13-01	0813SEH	8/13/2001	8/13/2001	12:44
2001 E1	EJUL01-06	E0101354SR	House Ref. Liver	NA	Tissue	HRL	NA	NA	7782-49-2	ICP, Hydride	Selenium	0.410	0.005	MDL	ug/g	Wet Wt	1	0.446	92		VGICP_8-13-01	0813SEH	8/13/2001	8/13/2001	12:41
2001 E1	EJUL01-06	E0101355	CH217 AMRO 071301	07/13/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUL01-06	E0101355	CH217 AMRO 071301	07/13/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	1.800	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-13-01	0813SEH	8/13/2001	8/13/2001	12:50
2001 E1	EJUL01-06	E0101355D	CH217 AMRO 071301	07/13/01	Tissue	Lab Dupl	American Robin	Regional	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EJUL01-06	E0101355D	CH217 AMRO 071301	07/13/01	Tissue	Lab Dupl	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	1.800	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-13-01	0813SEH	8/13/2001	8/13/2001	13:06
2001 E1	EJUL01-06	E0101356	AMRO AM093 071301	07/13/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	85	1	NA	%	NA	1								
2001 E1	EJUL01-06	E0101356	AMRO AM093 071301	07/13/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.310	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-13-01	0813SEH	8/13/2001	8/13/2001	13:02
2001 E1	EJUL01-06	E0101357	CH219 AMRO 071301	07/13/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EJUL01-06	E0101357	CH219 AMRO 071301	07/13/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.270	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-13-01	0813SEH	8/13/2001	8/13/2001	13:06
2001 E1	EJUL01-06	E0101358	CH216 AMRO 071301	07/13/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	83	1	NA	%	NA	1								
2001 E1	EJUL01-06	E0101358	CH216 AMRO 071301	07/13/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	1.400	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-13-01	0813SEH	8/13/2001	8/13/2001	13:11
2001 E1	EJUL01-06	E0101359	AMRO AM095 071001	07/10/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	80	1	NA	%	NA	1								
2001 E1	EJUL01-06	E0101359	AMRO AM095 071001	07/10/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.320	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-13-01	0813SEH	8/13/2001	8/13/2001	13:14
2001 E1	EJUL01-06	E0101359D	AMRO AM095 071001	07/10/01	Tissue	Lab Dupl	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	0.290	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-13-01	0813SEH	8/13/2001	8/13/2001	13:22
2001 E1	EJUL01-06	E0101360	CH218 AMRO 071301	07/13/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	82	1	NA	%	NA	1								
2001 E1	EJUL01-06	E0101360	CH218 AMRO 071301	07/13/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	1.000	0.01	MDL	ug/g	Wet Wt	1				VGICP_8-13-01	0813SEH	8/13/2001	8/13/2001	13:25
2001 E1	EJUL01-06	E0101361	AMRO AM094 071001	07/10/01	Tissue	Primary	American Robin	Regional	NA	Gravimetric	Moisture Content	QNS	1	NA	%	NA	NA								
2001 E1	EJUL01-06	E0101361	AMRO AM094 071001	07/10/01	Tissue	Primary	American Robin	Regional	7782-49-2	ICP, Hydride	Selenium	QNS	0.01	MDL	ug/g	Wet Wt	1				NA	NA	NA	NA	NA

IRFL - Information requested from laboratory

ATTACHMENT A

Event	UIASL Case #	UIASL #	Field Sample ID	QC Sample Type	Common Name	Matrix	Spat_Rel_1	CAS #	Analyte	Result	EDL	Units	Method	Collection Date
1999 Q1	EJN99-01	E9900070EB	CAGO DG4 - EQ	ER	NA	Water	Field Blank	7440-43-9	Cadmium	-0.009	0.0019	ug/mL	200.7	05/20/99
1999 Q1	EJN99-01	E9900073D	CAGO MW4 - EQ	ER	NA	Water	Field Blank	7440-43-9	Cadmium	-0.0074	0.0019	ug/mL	200.7	05/20/99
1999 Q1	EJN99-01	E9900073EB	CAGO MW4 - EQ	ER	NA	Water	Field Blank	7440-43-9	Cadmium	-0.0069	0.0019	ug/mL	200.7	05/20/99
1999 Q1	EJN99-01	E9900070EB	CAGO DG4 - EQ	ER	NA	Water	Field Blank	7782-49-2	Selenium	-0.00045	0.7	ug/L	ICP, Hydride	05/20/99
1999 Q1	EJN99-01	E9900073EB	CAGO MW4 - EQ	ER	NA	Water	Field Blank	7782-49-2	Selenium	-0.00048	0.7	mg/L	ICP, Hydride	05/20/99
1999 Q1	EJN99-03	E9900115EB	MALL ED5 - EQ	ER	NA	Water	Field Blank	7440-43-9	Cadmium	-0.0080	0.0019	ug/mL	200.8	05/26/99
1999 Q1	EJN99-03	E9900115EB	MALL ED5 - EQ	ER	NA	Water	Field Blank	7782-49-2	Selenium	-0.00060		mg/L	ICP, Hydride	05/26/99
1999 Q1	EJN99-03	E9900124EB	AMCO DG3 - EQ	ER	NA	Water	Field Blank	7440-43-9	Cadmium	-0.0061	0.0019	ug/mL	200.8	05/20/99
1999 Q1	EJN99-03	E9900124EB	AMCO DG3 - EQ	ER	NA	Water	Field Blank	7782-49-2	Selenium	-0.00047		mg/L	ICP, Hydride	05/20/99
1999 Q2	EJN99-12	E9900310EB	MALL ML7 - EQ	ER	NA	Water	Field Blank	7440-43-9	Cadmium	-0.0023	0.0019	ug/mL	200.8	06/01/99
1999 Q2	EJN99-12	E9900310EB	MALL ML7 - EQ	ER	NA	Water	Field Blank	7782-49-2	Selenium	0.000189		mg/L	ICP, Hydride	06/01/99
1999 Q2	EJN99-14	E9900313EB	CITE MW22 - EQ	ER	NA	Water	Field Blank	7440-43-9	Cadmium	-0.003	0.0019	ug/mL	200.8	06/01/99
1999 Q2	EJN99-14	E9900313EB	CITE MW22 - EQ	ER	NA	Water	Field Blank	7782-49-2	Selenium	-0.00021		mg/L	ICP, Hydride	06/01/99
1999 Q2	EJN99-14	E9900324EB	MALL NB19 - EQ	ER	NA	Water	Field Blank	7440-43-9	Cadmium	-0.0016	0.0019	ug/mL	200.8	06/03/99
1999 Q2	EJN99-14	E9900324EB	MALL NB19 - EQ	ER	NA	Water	Field Blank	7782-49-2	Selenium	-0.00012		mg/L	ICP, Hydride	06/03/99
1999 Q2	EJN99-15	E9900336EB	CAGO NB24 - EQ	ER	NA	Water	Field Blank	7440-43-9	Cadmium	-0.0006	0.0019	ug/mL	200.8	06/04/99
1999 Q2	EJN99-15	E9900336EB	CAGO NB24 - EQ	ER	NA	Water	Field Blank	7782-49-2	Selenium	0.000090		mg/L	ICP, Hydride	06/04/99
1999 Q2	EJN99-15	E9900340EB	MALL MW38 - EQ	ER	NA	Water	Field Blank	7440-43-9	Cadmium	-0.0027	0.0019	ug/mL	200.8	06/04/99
1999 Q2	EJN99-15	E9900340EB	MALL MW38 - EQ	ER	NA	Water	Field Blank	7782-49-2	Selenium	0.00027		mg/L	ICP, Hydride	06/04/99
1999 Q2	EJN99-16	E9900344EB	CAGO ED31 - EQ	ER	NA	Water	Field Blank	7440-43-9	Cadmium	-0.0017	0.0019	ug/mL	200.8	06/10/99
1999 Q2	EJN99-16	E9900344EB	CAGO ED31 - EQ	ER	NA	Water	Field Blank	7782-49-2	Selenium	-0.000027		mg/L	ICP, Hydride	06/10/99
1999 Q2	EJN99-16	E9900348EB	WFIB MW39 - EQ	ER	NA	Water	Field Blank	7440-43-9	Cadmium	-0.0019	0.0019	ug/mL	200.8	06/05/99
1999 Q2	EJN99-16	E9900348EB	WFIB MW39 - EQ	ER	NA	Water	Field Blank	7782-49-2	Selenium	-0.00016		mg/L	ICP, Hydride	06/05/99
1999 Q2	EJN99-19	E9900412EB	MALL ED30 - EQ	ER	NA	Water	Field Blank	7440-43-9	Cadmium	-0.0029	0.0019	ug/mL	200.8	06/10/99
1999 Q2	EJN99-19	E9900412EB	MALL ED30 - EQ	ER	NA	Water	Field Blank	7782-49-2	Selenium	-0.00021		mg/L	ICP, Hydride	06/10/99
1999 Q2	EJN99-19	E9900418EB	MALL ML21 - EQ	ER	NA	Water	Field Blank	7440-43-9	Cadmium	-0.0024	0.0019	ug/mL	200.8	06/11/99
1999 Q2	EJN99-19	E9900418EB	MALL ML21 - EQ	ER	NA	Water	Field Blank	7782-49-2	Selenium	-0.000088		mg/L	ICP, Hydride	06/11/99
1999 Q2	EJY99-01	E9900424EB	LBCU ML25 - EQ	ER	NA	Water	Field Blank	7440-43-9	Cadmium	-0.0012	0.0019	ug/mL	200.8	06/14/99
1999 Q2	EJY99-01	E9900424EB	LBCU ML25 - EQ	ER	NA	Water	Field Blank	7782-49-2	Selenium	-0.00035		mg/L	ICP, Hydride	06/14/99
1999 Q2	EJY99-01	E9900442EB	MALL DG25 - EQ	ER	NA	Water	Field Blank	7440-43-9	Cadmium	-0.0016	0.0019	ug/mL	200.8	06/20/99
1999 Q2	EJY99-01	E9900442EB	MALL DG25 - EQ	ER	NA	Water	Field Blank	7782-49-2	Selenium	-0.00050		mg/L	ICP, Hydride	06/20/99
1999 Q2	EJY99-01	E9900443EB	CITE DG26 - EQ	ER	NA	Water	Field Blank	7440-43-9	Cadmium	-0.0033	0.0019	ug/mL	200.8	06/20/99
1999 Q2	EJY99-01	E9900443EB	CITE DG26 - EQ	ER	NA	Water	Field Blank	7782-49-2	Selenium	-0.00058		mg/L	ICP, Hydride	06/20/99
1999 Q2	EJY99-01	E9900457EB	AMCO MW64 - EQ	ER	NA	Water	Field Blank	7440-43-9	Cadmium	-0.0013	0.0019	ug/mL	200.8	06/24/99
1999 Q2	EJY99-01	E9900457EB	AMCO MW64 - EQ	ER	NA	Water	Field Blank	7782-49-2	Selenium	-0.00041		mg/L	ICP, Hydride	06/24/99
1999 Q2	EJY99-03	E9900467EB	CITE DG29 - EQ	ER	NA	Water	Field Blank	7440-43-9	Cadmium	-0.0016	0.0019	ug/mL	200.8	07/01/99
1999 Q2	EJY99-03	E9900467EB	CITE DG29 - EQ	ER	NA	Water	Field Blank	7782-49-2	Selenium	-0.00030		mg/L	ICP, Hydride	07/01/99
2000 Q1	EJN00-01	E0000721EQ	SACR BP28 5/29 EQ	ER	NA	Water	Field Blank	7440-43-9	Cadmium	0.000037	0.00025	mg/L	200.8	05/29/00
2000 Q1	EJN00-01	E0000721EQ	SACR BP28 5/29 EQ	ER	NA	Water	Field Blank	7782-49-2	Selenium	-0.000386	0.001	mg/L	ICP, Hydride	05/29/00
2000 Q1	EJN00-01	E0000722EQ	CAGO MH23 5/28 EQ	ER	NA	Water	Field Blank	7440-43-9	Cadmium	0	0.00025	mg/L	200.8	05/28/00
2000 Q1	EJN00-01	E0000722EQ	CAGO MH23 5/28 EQ	ER	NA	Water	Field Blank	7782-49-2	Selenium	-0.000288	0.001	mg/L	ICP, Hydride	05/28/00
2000 Q1	EJN00-04	E0000744EQ	MALL BP30 5/31 EQ	ER	NA	Water	Field Blank	7440-43-9	Cadmium	0.00001	0.00025	mg/L	200.8	05/31/00
2000 Q1	EJN00-04	E0000744EQ	MALL BP30 5/31 EQ	ER	NA	Water	Field Blank	7782-49-2	Selenium	-0.000206	0.001	mg/L	ICP, Hydride	05/31/00
2000 Q1	EMA00-13	E0000530EQ	SACR MH03 5/15 EQ	ER	NA	Water	Field Blank	7440-43-9	Cadmium	0.000003	0.00025	mg/L	200.8	05/15/00
2000 Q1	EMA00-13	E0000530EQ	SACR MH03 5/15 EQ	ER	NA	Water	Field Blank	7782-49-2	Selenium	-0.000487	0.001	mg/L	ICP, Hydride	05/15/00
2000 Q1	EMA00-30	E0000664EQ	CAGO DJ07 5/19 EQ	ER	NA	Water	Field Blank	7440-43-9	Cadmium	-0.000001	0.00025	mg/L	200.8	05/19/00
2000 Q1	EMA00-30	E0000664EQ	CAGO DJ07 5/19 EQ	ER	NA	Water	Field Blank	7782-49-2	Selenium	-0.000413	0.001	mg/L	ICP, Hydride	05/19/00
2000 Q1	EMA00-30	E0000669EQ	SACR MH11 5/21 EQ	ER	NA	Water	Field Blank	7440-43-9	Cadmium	0.00001	0.00025	mg/L	200.8	05/21/00
2000 Q1	EMA00-30	E0000669EQ	SACR MH11 5/21 EQ	ER	NA	Water	Field Blank	7782-49-2	Selenium	-0.000209	0.001	mg/L	ICP, Hydride	05/21/00
2000 Q1	EMA00-30	E0000673EQ	SACR DJ11 5/22 EQ	ER	NA	Water	Field Blank	7440-43-9	Cadmium	-0.000001	0.00025	mg/L	200.8	05/22/00
2000 Q1	EMA00-30	E0000673EQ	SACR DJ11 5/22 EQ	ER	NA	Water	Field Blank	7782-49-2	Selenium	-0.00041	0.001	mg/L	ICP, Hydride	05/22/00

ATTACHMENT A

Event	UIASL Case #	UIASL #	Field Sample ID	QC Sample Type	Common Name	Matrix	Spat_Rel_1	CAS #	Analyte	Result	EDL	Units	Method	Collection Date
2000 Q1	EMA00-33	E0000687EQ	MALL BP12 5/24 EQ	ER	NA	Water	Field Blank	7440-43-9	Cadmium	-0.000002	0.00025	mg/L	200.8	05/24/00
2000 Q1	EMA00-33	E0000687EQ	MALL BP12 5/24 EQ	ER	NA	Water	Field Blank	7782-49-2	Selenium	-0.00016	0.001	mg/L	ICP, Hydride	05/24/00
2000 Q1	EMA00-33	E0000710EQ	SACR MH13 5/24 EQ	ER	NA	Water	Field Blank	7440-43-9	Cadmium	-0.000004	0.00025	mg/L	200.8	05/24/00
2000 Q1	EMA00-33	E0000710EQ	SACR MH13 5/24 EQ	ER	NA	Water	Field Blank	7782-49-2	Selenium	-0.000548	0.001	mg/L	ICP, Hydride	05/24/00
2000 Q2	EJN00-04	E0000756EQ	MALL BG05 6/1 EQ	ER	NA	Water	Field Blank	7440-43-9	Cadmium	0.000018	0.00025	mg/L	200.8	06/01/00
2000 Q2	EJN00-04	E0000756EQ	MALL BG05 6/1 EQ	ER	NA	Water	Field Blank	7782-49-2	Selenium	-0.000348	0.001	mg/L	ICP, Hydride	06/01/00
2000 Q2	EJN00-04	E0000764EQ	SACR BP33 6/2 EQ	ER	NA	Water	Field Blank	7440-43-9	Cadmium	-0.000002	0.00025	mg/L	200.8	06/02/00
2000 Q2	EJN00-04	E0000764EQ	SACR BP33 6/2 EQ	ER	NA	Water	Field Blank	7782-49-2	Selenium	-0.000396	0.001	mg/L	ICP, Hydride	06/02/00
2000 Q2	EJN00-05	E0000766EQ	CITE DJ29 6/1 EQ	ER	NA	Water	Field Blank	7440-43-9	Cadmium	0.000014	0.00025	mg/L	200.8	06/01/00
2000 Q2	EJN00-05	E0000766EQ	CITE DJ29 6/1 EQ	ER	NA	Water	Field Blank	7782-49-2	Selenium	-0.000372	0.001	mg/L	ICP, Hydride	06/01/00
2000 Q2	EJN00-08	E0000852EQ	CITE BG20 6/6 EQ	ER	NA	Water	Field Blank	7440-43-9	Cadmium	0.000071	0.00025	mg/L	200.8	06/06/00
2000 Q2	EJN00-08	E0000852EQ	CITE BG20 6/6 EQ	ER	NA	Water	Field Blank	7782-49-2	Selenium	-0.0000178	0.001	mg/L	ICP, Hydride	06/06/00
2000 Q2	EJN00-08	E0000853EQ	AMCO DJ32 6/3 EQ	ER	NA	Water	Field Blank	7440-43-9	Cadmium	0.000006	0.00025	mg/L	200.8	06/03/00
2000 Q2	EJN00-08	E0000853EQ	AMCO DJ32 6/3 EQ	ER	NA	Water	Field Blank	7782-49-2	Selenium	-0.0000904	0.001	mg/L	ICP, Hydride	06/03/00
2000 Q2	EJN00-08	E0000858EQ	AMCO BG08 6/3 EQ	ER	NA	Water	Field Blank	7440-43-9	Cadmium	0.00001	0.00025	mg/L	200.8	06/03/00
2000 Q2	EJN00-08	E0000858EQ	AMCO BG08 6/3 EQ	ER	NA	Water	Field Blank	7782-49-2	Selenium	-0.0000085	0.001	mg/L	ICP, Hydride	06/03/00
2000 Q2	EJN00-08	E0000864EQ	AMCO BG10 6/3 EQ	ER	NA	Water	Field Blank	7440-43-9	Cadmium	0.00002	0.00025	mg/L	200.8	06/03/00
2000 Q2	EJN00-08	E0000864EQ	AMCO BG10 6/3 EQ	ER	NA	Water	Field Blank	7782-49-2	Selenium	0.0000935	0.001	mg/L	ICP, Hydride	06/03/00
2000 Q2	EJN00-08	E0000865EQ	AMCO DJ33 6/3 EQ	ER	NA	Water	Field Blank	7440-43-9	Cadmium	0.000012	0.00025	mg/L	200.8	06/03/00
2000 Q2	EJN00-08	E0000865EQ	AMCO DJ33 6/3 EQ	ER	NA	Water	Field Blank	7782-49-2	Selenium	-0.0000626	0.001	mg/L	ICP, Hydride	06/03/00
2000 Q2	EJN00-09	E0000871EQ	EAGR MH51 6/12 EQ	ER	NA	Water	Field Blank	7440-43-9	Cadmium	0.000009	0.00025	mg/L	200.8	06/12/00
2000 Q2	EJN00-09	E0000871EQ	EAGR MH51 6/12 EQ	ER	NA	Water	Field Blank	7782-49-2	Selenium	-0.0000301	0.001	mg/L	ICP, Hydride	06/12/00
2000 Q2	EJN00-09	E0000874EQ	EAGR BG40 6/12 EQ	ER	NA	Water	Field Blank	7440-43-9	Cadmium	0.000003	0.00025	mg/L	200.8	06/12/00
2000 Q2	EJN00-09	E0000874EQ	EAGR BG40 6/12 EQ	ER	NA	Water	Field Blank	7782-49-2	Selenium	0.000114	0.001	mg/L	ICP, Hydride	06/12/00
2000 Q2	EJN00-09	E0000877EQ	EAGR BP44 6/9 EQ	ER	NA	Water	Field Blank	7440-43-9	Cadmium	0.000006	0.00025	mg/L	200.8	06/09/00
2000 Q2	EJN00-09	E0000877EQ	EAGR BP44 6/9 EQ	ER	NA	Water	Field Blank	7782-49-2	Selenium	-0.00014	0.001	mg/L	ICP, Hydride	06/09/00
2000 Q2	EJN00-12	E0000901D	AMCO MH58 6/15 EQ	ER	NA	Water	Field Blank	7440-43-9	Cadmium	0.000051	0.00025	mg/L	200.8	06/15/00
2000 Q2	EJN00-12	E0000901EQ	AMCO MH58 6/15 EQ	ER	NA	Water	Field Blank	7440-43-9	Selenium	0.000034	0.00025	mg/L	200.8	06/15/00
2000 Q2	EJN00-12	E0000901EQ	AMCO MH58 6/15 EQ	ER	NA	Water	Field Blank	7782-49-2	Cadmium	0.0000842	0.001	mg/L	ICP, Hydride	06/15/00
2000 Q2	EJN00-12	E0000919EQ	WEGR BG41 6/13 EQ	ER	NA	Water	Field Blank	7440-43-9	Selenium	0.000072	0.00025	mg/L	200.8	06/13/00
2000 Q2	EJN00-12	E0000919EQ	WEGR BG41 6/13 EQ	ER	NA	Water	Field Blank	7782-49-2	Cadmium	0.000169	0.001	mg/L	ICP, Hydride	06/13/00
2000 Q2	EJN00-12	E0000921EQ	WEGR DJ53 6/13 EQ	ER	NA	Water	Field Blank	7440-43-9	Selenium	0.000043	0.00025	mg/L	200.8	06/13/00
2000 Q2	EJN00-12	E0000921EQ	WEGR DJ53 6/13 EQ	ER	NA	Water	Field Blank	7782-49-2	Cadmium	0.00026	0.001	mg/L	ICP, Hydride	06/13/00
2000 Q2	EJN00-13	E0000947EQ	RBGU MH69 6/17 EQ	ER	NA	Water	Field Blank	7440-43-9	Selenium	0.000029	0.00025	mg/L	200.8	06/17/00
2000 Q2	EJN00-13	E0000947EQ	RBGU MH69 6/17 EQ	ER	NA	Water	Field Blank	7782-49-2	Cadmium	0.0000842	0.001	mg/L	ICP, Hydride	06/17/00
2000 Q2	EJN00-13	E0000954EQ	CAGU BP56 6/17 EQ	ER	NA	Water	Field Blank	7440-43-9	Selenium	0.000036	0.00025	mg/L	200.8	06/17/00
2000 Q2	EJN00-13	E0000954EQ	CAGU BP56 6/17 EQ	ER	NA	Water	Field Blank	7782-49-2	Cadmium	0.000166	0.001	mg/L	ICP, Hydride	06/17/00
2000 Q2	EJN00-15	E0000963EQ	RBGU MH70 6/17 EQ	ER	NA	Water	Field Blank	7440-43-9	Selenium	0.000019	0.00025	mg/L	200.8	06/17/00
2000 Q2	EJN00-15	E0000963EQ	RBGU MH70 6/17 EQ	ER	NA	Water	Field Blank	7782-49-2	Cadmium	0.000304	0.001	mg/L	ICP, Hydride	06/17/00
2000 Q2	EJN00-16	E0000976EQ	FRGU DJ71 6/22 EQ	ER	NA	Water	Field Blank	7440-43-9	Selenium	0.000078	0.00025	mg/L	200.8	06/22/00
2000 Q2	EJN00-16	E0000976EQ	FRGU DJ71 6/22 EQ	ER	NA	Water	Field Blank	7782-49-2	Cadmium	-0.000292	0.001	mg/L	ICP, Hydride	06/22/00
2000 Q2	EJN00-16	E0000986EQ	AMCO BG51 6/20 EQ	ER	NA	Water	Field Blank	7440-43-9	Selenium	0.000161	0.00025	mg/L	200.8	06/20/00
2000 Q2	EJN00-16	E0000986EQ	AMCO BG51 6/20 EQ	ER	NA	Water	Field Blank	7782-49-2	Cadmium	-0.00108	0.001	mg/L	ICP, Hydride	06/20/00
2000 Q2	EJN00-16	E0000998EQ	FRGU BG54 6/22 EQ	ER	NA	Water	Field Blank	7440-43-9	Selenium	0.00054	0.00025	mg/L	200.8	06/22/00
2000 Q2	EJN00-16	E0000998EQ	FRGU BG54 6/22 EQ	ER	NA	Water	Field Blank	7782-49-2	Cadmium	-0.000495	0.001	mg/L	ICP, Hydride	06/22/00
2000 Q2	EJN00-16	E0000999EQ	FRGU BG53 6/22 EQ	ER	NA	Water	Field Blank	7440-43-9	Selenium	0.000157	0.00025	mg/L	200.8	06/22/00
2000 Q2	EJN00-16	E0000999EQ	FRGU BG53 6/22 EQ	ER	NA	Water	Field Blank	7782-49-2	Cadmium	-0.00061	0.001	mg/L	ICP, Hydride	06/22/00
2000 Q2	EJN00-18	E0001026D	EAGR BG59 6/24 EQ	ER	NA	Water	Field Blank	7440-43-9	Selenium	0.000005	0.00025	mg/L	200.8	06/24/00
2000 Q2	EJN00-18	E0001026EQ	EAGR BG59 6/24 EQ	ER	NA	Water	Field Blank	7440-43-9	Cadmium	0.00001	0.00025	mg/L	200.8	06/24/00
2000 Q2	EJN00-18	E0001026EQ	EAGR BG59 6/24 EQ	ER	NA	Water	Field Blank	7782-49-2	Selenium	-0.000972	0.001	mg/L	ICP, Hydride	06/24/00
2000 Q2	EJN00-18	E0001036EQ	EAGR BP68 6/24 EQ	ER	NA	Water	Field Blank	7440-43-9	Cadmium	0.000054	0.00025	mg/L	200.8	06/24/00

ATTACHMENT A
Appendix B Data Quality Assessment (DQA) and Data Usability Report (DUR)

Event	UIASL Case #	UIASL #	Field Sample ID	QC Sample Type	Common Name	Matrix	Spat_Rel_1	CAS #	Analyte	Result	EDL	Units	Method	Collection Date
2000 Q2	EJN00-18	E0001036EQ	EAGR BP68 6/24 EQ	ER	NA	Water	Field Blank	7782-49-2	Selenium	-0.000341	0.001	mg/L	ICP, Hydride	06/24/00
2000 Q2	EJN00-18	E0001038EQ	FRGU DJ72 6/22 EQ	ER	NA	Water	Field Blank	7440-43-9	Cadmium	0.000036	0.00025	mg/L	200.8	06/22/00
2000 Q2	EJN00-18	E0001038EQ	FRGU DJ72 6/22 EQ	ER	NA	Water	Field Blank	7782-49-2	Selenium	-0.000776	0.001	mg/L	ICP, Hydride	06/22/00
2000 Q2	EJY00-06	E0001167EQ	WEGR BP74 7/2 EQ	ER	NA	Water	Field Blank	7440-43-9	Cadmium	0.000052	0.00025	mg/L	200.8	07/02/00
2000 Q2	EJY00-06	E0001167EQ	WEGR BP74 7/2 EQ	ER	NA	Water	Field Blank	7782-49-2	Selenium	-0.00041	0.001	mg/L	ICP, Hydride	07/02/00
2000 Q2	EJY00-06	E0001172EQ	WEGR BG74 7/5 EQ	ER	NA	Water	Field Blank	7440-43-9	Cadmium	0.000035	0.00025	mg/L	200.8	07/05/00
2000 Q2	EJY00-06	E0001172EQ	WEGR BG74 7/5 EQ	ER	NA	Water	Field Blank	7782-49-2	Selenium	-0.000562	0.001	mg/L	ICP, Hydride	07/05/00
2000 Q2	EJY00-06	E0001174EQ	WEGR BP76 7/5 EQ	ER	NA	Water	Field Blank	7440-43-9	Cadmium	0.000031	0.00025	mg/L	200.8	07/05/00
2000 Q2	EJY00-06	E0001174EQ	WEGR BP76 7/5 EQ	ER	NA	Water	Field Blank	7782-49-2	Selenium	-0.000466	0.001	mg/L	ICP, Hydride	07/05/00
1999 Q2	EJN99-16	E9900355EB	FRGU ED18 - EQ	ER	NA	Water	Field Blank	7440-43-9	Cadmium	-0.0023	0.0019	ug/mL	200.8	06/05/99
1999 Q2	EJN99-16	E9900355EB	FRGU ED18 - EQ	ER	NA	Water	Field Blank	7782-49-2	Selenium	-0.00019		mg/L	ICP, Hydride	06/05/99
1999 Q2	EJN99-16	E9900376EB	AMCO MW45 - EQ	ER	NA	Water	Field Blank	7440-43-9	Cadmium	-0.0021	0.0019	ug/mL	200.8	06/05/99
1999 Q2	EJN99-16	E9900376EB	AMCO MW45 - EQ	ER	NA	Water	Field Blank	7782-49-2	Selenium	-0.00021		mg/L	ICP, Hydride	06/05/99
2001 E1	EMAY01-20	E0100474		ER	NA	Water	Field Blank	7782-49-2	Selenium	0.959	0.001	ug/L	ICP, Hydride	7/30/2001
2001 E1	EMAY01-20	E0100515		ER	NA	Water	Field Blank	7782-49-2	Selenium	BDL	0.001	ug/L	ICP, Hydride	7/30/2001
2001 E1	EMAY01-20	E0100538		ER	NA	Water	Field Blank	7782-49-2	Selenium	BDL	0.001	ug/L	ICP, Hydride	7/30/2001
2001 E1	EMAY01-20	E0100549		ER	NA	Water	Field Blank	7782-49-2	Selenium	BDL	0.001	ug/L	ICP, Hydride	7/30/2001
2001 E1	EMAY01-20	E0100555		ER	NA	Water	Field Blank	7782-49-2	Selenium	BDL	0.001	ug/L	ICP, Hydride	7/30/2001
2001 E1	EMAY01-35	E0100597		ER	NA	Water	Field Blank	7782-49-2	Selenium	1.21	0.001	ug/L	ICP, Hydride	7/30/2001
2001 E1	EMAY01-35	E0100613		ER	NA	Water	Field Blank	7782-49-2	Selenium	BDL	0.001	ug/L	ICP, Hydride	7/30/2001
2001 E1	EMAY01-35	E0100626		ER	NA	Water	Field Blank	7782-49-2	Selenium	BDL	0.001	ug/L	ICP, Hydride	7/30/2001
2001 E1	EMAY01-38	E0100635		ER	NA	Water	Field Blank	7782-49-2	Selenium	BDL	0.001	ug/L	ICP, Hydride	7/30/2001
2001 E1	EMAY01-38	E0100651		ER	NA	Water	Field Blank	7782-49-2	Selenium	BDL	0.001	ug/L	ICP, Hydride	7/30/2001
2001 E1	EMAY01-38	E0100659		ER	NA	Water	Field Blank	7782-49-2	Selenium	BDL	0.001	ug/L	ICP, Hydride	7/30/2001
2001 E1	EMAY01-38	E0100677		ER	NA	Water	Field Blank	7782-49-2	Selenium	BDL	0.001	ug/L	ICP, Hydride	7/30/2001
2001 E1	EJUN01-01	E0100686		ER	NA	Water	Field Blank	7782-49-2	Selenium	0.48	0.001	ug/L	ICP, Hydride	7/30/2001
2001 E1	EJUN01-01	E0100697		ER	NA	Water	Field Blank	7782-49-2	Selenium	0.315	0.001	ug/L	ICP, Hydride	7/30/2001
2001 E1	EJUN01-01	E0100702		ER	NA	Water	Field Blank	7782-49-2	Selenium	BDL	0.001	ug/L	ICP, Hydride	7/30/2001
2001 E1	EJUN01-01	E0100708		ER	NA	Water	Field Blank	7782-49-2	Selenium	BDL	0.001	ug/L	ICP, Hydride	7/30/2001
2001 E1	EJUN01-02	E0100719		ER	NA	Water	Field Blank	7782-49-2	Selenium	0.0937	0.001	ug/L	ICP, Hydride	7/30/2001
2001 E1	EJUN01-02	E0100719D		ER	NA	Water	Field Blank	7782-49-2	Selenium	0.435	0.001	ug/L	ICP, Hydride	7/30/2001
2001 E1	EJUN01-02	E0100729		ER	NA	Water	Field Blank	7782-49-2	Selenium	0.32	0.001	ug/L	ICP, Hydride	7/30/2001
2001 E1	EJUN01-02	E0100729D		ER	NA	Water	Field Blank	7782-49-2	Selenium	BDL	0.001	ug/L	ICP, Hydride	7/30/2001
2001 E1	EJUN01-02	E0100739		ER	NA	Water	Field Blank	7782-49-2	Selenium	0.0993	0.001	ug/L	ICP, Hydride	7/31/2001
2001 E1	EJUN01-02	E0100745		ER	NA	Water	Field Blank	7782-49-2	Selenium	0.141	0.001	ug/L	ICP, Hydride	7/31/2001
2001 E1	EJUN01-04	E0100785		ER	NA	Water	Field Blank	7782-49-2	Selenium	0.0598	0.001	ug/L	ICP, Hydride	7/31/2001
2001 E1	EJUN01-04	E0100803		ER	NA	Water	Field Blank	7782-49-2	Selenium	0.0861	0.001	ug/L	ICP, Hydride	7/31/2001
2001 E1	EJUN01-04	E0100814		ER	NA	Water	Field Blank	7782-49-2	Selenium	0.0639	0.001	ug/L	ICP, Hydride	7/31/2001
2001 E1	EJUN01-04	E0100833		ER	NA	Water	Field Blank	7782-49-2	Selenium	0.0689	0.001	ug/L	ICP, Hydride	7/31/2001
2001 E1	EJUN01-05	E0100838		ER	NA	Water	Field Blank	7782-49-2	Selenium	BDL	0.001	ug/L	ICP, Hydride	7/31/2001
2001 E1	EJUN01-16	E0100977		ER	NA	Water	Field Blank	7782-49-2	Selenium	BDL	0.001	ug/L	ICP, Hydride	7/31/2001
2001 E1	EJUN01-16	E0100987		ER	NA	Water	Field Blank	7782-49-2	Selenium	0.0932	0.001	ug/L	ICP, Hydride	7/31/2001
2001 E1	EJUN01-16	E0101000		ER	NA	Water	Field Blank	7782-49-2	Selenium	BDL	0.001	ug/L	ICP, Hydride	7/31/2001
2001 E1	EJUN01-20	E0101095		ER	NA	Water	Field Blank	7782-49-2	Selenium	BDL	0.001	ug/L	ICP, Hydride	7/31/2001
2001 E1	EJUN01-20	E0101102		ER	NA	Water	Field Blank	7782-49-2	Selenium	0.108	0.001	ug/L	ICP, Hydride	7/31/2001
2001 E1	EJUN01-20	E0101102D		ER	NA	Water	Field Blank	7782-49-2	Selenium	BDL	0.001	ug/L	ICP, Hydride	7/31/2001
2001 E1	EJUN01-20	E0101113		ER	NA	Water	Field Blank	7782-49-2	Selenium	BDL	0.001	ug/L	ICP, Hydride	7/31/2001
2001 E1	EJUN01-20	E0101126		ER	NA	Water	Field Blank	7782-49-2	Selenium	0.0204	0.001	ug/L	ICP, Hydride	7/31/2001
2001 E1	EJUL01-03	E0101289		ER	NA	Water	Field Blank	7782-49-2	Selenium	BDL	0.001	ug/L	ICP, Hydride	7/31/2001
2001 E1	EJUL01-03	E0101299		ER	NA	Water	Field Blank	7782-49-2	Selenium	BDL	0.001	ug/L	ICP, Hydride	7/31/2001
2001 E1	EJUL01-03	E0101311		ER	NA	Water	Field Blank	7782-49-2	Selenium	BDL	0.001	ug/L	ICP, Hydride	7/31/2001

ATTACHMENT A
Appendix B Data Quality Assessment Report (DQAR) and the 1999-2001 Biota Issue Data

Event	UIASL Case #	UIASL #	Field Sample ID	QC Sample Type	Common Name	Matrix	Spat_Rel_1	CAS #	Analyte	Result	EDL	Units	Method	Collection Date
2001 E1	EJUL01-03	E0101319		ER	NA	Water	Field Blank	7782-49-2	Selenium	BDL	0.001	ug/L	ICP, Hydride	7/31/2001
2001 E1	EJUL01-03	E0101328		ER	NA	Water	Field Blank	7782-49-2	Selenium	BDL	0.001	ug/L	ICP, Hydride	7/31/2001
2001 E1	EJUL01-03	E0101016		ER	NA	Water	Field Blank	7782-49-2	Selenium	BDL	0.001	ug/L	ICP, Hydride	7/31/2001
2001 E1	EJUL01-03	E0101075		ER	NA	Water	Field Blank	7782-49-2	Selenium	0.87	0.001	ug/L	ICP, Hydride	7/31/2001

APPENDIX D
Data Quality Assessment – Pre-2004 Data
1999-2000 Cattle Study Data

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DATA QUALITY ASSESSMENT – PRE-2004 DATA

1999-2000 CATTLE STUDY DATA

TECHNICAL MEMORANDUM

Final

Revision 1

May 28, 2010

Prepared by:

MWH AMERICAS, INC.

Prepared for:

P4 PRODUCTION, LLC

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ATTACHMENTS

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Attachment B – Screening Values for Metals in Tissues and Blood of Cattle

ACRONYMS AND ABBREVIATIONS

µg/g	micrograms per gram
A/T	Agencies and Tribes
CAS	Chemical Abstracts Service
Cd	cadmium
CLP	Contract Laboratory Program
COA	Certificate of Analysis
COPC	contaminant of potential concern
COPEC	contaminant of potential ecological concern
CSM	conceptual site model
Cu	copper
DQO	data quality objectives
dw	dry weight
EDD	electronic data deliverable
EDL	estimated detection limit
Fe	iron
FS	feasibility study
HQ	hazard quotient
HRL	House Reference Liver
ICP-AES	inductively coupled plasma atomic emission spectrometer
ICS	interference check standard
ICV	initial calibration verification
ID	identification
IDL	Idaho Department of Land
IMA	Idaho Mining Association
LCS	laboratory control sample
LOAEL	lowest-observable-adverse-effect-level
MDL	method detection limit
Mg	magnesium
mg/kg	milligrams per kilogram
MS	matrix spike
MSD	matrix spike duplicate
MWH	MWH Americas, Inc.
NELAC	National Environmental Laboratory Accreditation Conference
NOAEL	no-observable-adverse-effect-level
P4	P4 Production, LLC
Pb	lead
PQL	practical quantitation limit
PSQ	principal study question
QC	quality control
RA	risk assessment
RfD	reference dose
RI/FS	remedial investigation/feasibility study
RL	reporting limit
SDG	sample delivery group

ACRONYMS AND ABBREVIATIONS (continued)

Se	selenium
SOP	standard operating procedure
SRM	standard reference material
TORT	lobster hepatopancreas Reference Material for Trace Metals
UIASL	University of Idaho Analytical Sciences Laboratory
USEPA	United States Environmental Protection Agency
U of I	University of Idaho
VGICP	vapor generation inductively coupled plasma
Zn	zinc

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1.0 INTRODUCTION AND PURPOSE

A significant amount of data associated with the P4 Production, LLC (P4) Southeast Idaho Mines was collected between 1998 and 2003, and is collectively referred to as the "pre-2004 data." P4 has summarized the sampling and analysis efforts related to the collection of these data in the document titled *Pre-2004 Documents and Data Review and Summary for the Historic P4 Production Phosphate Mines, Caribou County, Idaho* (MWH, 2008). The Agencies and Tribes (A/T) have requested additional information to complete an assessment of data quality as described in the *Proposed "Roadmap" for Completing an Assessment of the Quality of the Pre-2004 Data for P4 Production, LLC Mines in Southeast Idaho* (dated May 18, 2009) (Roadmap; IDEQ, 2009).

The purpose of this technical memorandum is to assess the quality of these existing analytical data sets to ensure that the type and quality of the data are appropriate for their intended end use. The intended end use for the cattle tissue and blood data includes qualitative and potentially quantitative evaluation in human health and ecological risk assessments. The data evaluation process described herein is consistent with the *Guidance for Quality Assurance Project Plans, QA/G-5* (USEPA, 2002) as referenced in the Roadmap (IDEQ, 2009). This technical memorandum specifically addresses the data collected as part of the cattle study conducted in 1999 through 2000. The cattle study sample media include cattle tissue (heart, liver, kidney, and muscle) and blood (blood and serum) and soil and plant tissue. However, P4 is not seeking concurrence from the A/T regarding a data quality assessment for, or potential validation of, the soil and plant tissue data associated with the cattle study at this time. P4 believes that the soil and plant tissue data collected as part of the 2009 investigation is more robust than the 1999 soil and plant tissue data for purposes of contaminant characterization and risk assessment.

The Roadmap (IDEQ, 2009) provides direction for the "Next Steps to Complete an Assessment of the Pre-2004 Data." The four steps described in the Roadmap are consistent with the United States Environmental Protection Agency (USEPA) QA/G-5 guidance (USEPA, 2002). This technical memorandum addresses the first two steps: (1) determine data needs, and (2) screen data for use. P4 is seeking concurrence from the A/T with the data quality assessment provided in this technical memorandum for the cattle tissue (heart, liver, kidney, and muscle) and blood (blood and serum) data prior to proceeding with the last two steps: (3) validate data, and (4) document data quality.

2.0 BACKGROUND FOR THE 1999-2000 CATTLE BLOOD AND TISSUE

The 1999 and 2000 cattle grazing study was conducted by the Idaho Mining Association (IMA) Selenium Committee (Selenium Committee) as an extension of a cattle grazing study conducted by Monsanto, Idaho Department of Land (IDL) and University of Idaho (U of I). The Monsanto Company was one of six member companies of the Selenium Committee.

The cattle grazing study was conducted during a nine-week period in the summer of 1999. Three separate 30 acre fenced pastures were constructed on reclaimed mine waste rock dumps at Monsanto's Henry Mine, located approximately 30 kilometers north of Soda Springs, Idaho and seven kilometers east of the Blackfoot Reservoir and Henry, Idaho. Each of the three pastures was grazed by one group of five cattle for a total of 15 treatment cattle. Another group of five cattle was placed in a native, undisturbed, non-seleniferous pasture in the vicinity of Grays Lake Wildlife Refuge. Cattle blood and serum samples were obtained from the cattle before, during and after grazing at the Henry Mine reclaimed waste rock dumps. Blood and serum samples were obtained twice from the cattle that grazed at the native, undisturbed, non-seleniferous pasture.

A depuration study was conducted using the 15 cattle that grazed the Henry Mine reclaimed waste rock dumps and the five cattle from the native, undisturbed, non-seleniferous pasture. The depuration study was conducted under conditions that simulated the normal handling of cattle as they are prepared for market. The cattle were pastured for one month on a non-seleniferous pasture post-removal from the Henry Mine reclaimed waste rock dumps and native, undisturbed, non-seleniferous pasture. The cattle were then placed into a feedlot for four months, where a diet containing 0.3 mg selenium/kg was given. Cattle blood and serum samples, and skeletal muscle and liver biopsies, were obtained from the cattle at the feedlot. Heart, liver, muscle and kidney tissue samples were collected from each of the 20 cattle at the time of slaughter.

In addition to cattle tissue and blood samples, the 1999-2000 cattle grazing study also included the collection of soil and plant tissue samples. In the spring of 1999, soil and pant tissue samples were collected from the waste rock dumps at the Henry Mine site prior to the cattle grazing ("pre-grazing" phase of the study). In the summer and fall of 1999, plant tissue samples were collected

from the Henry Mine site during the cattle grazing phase of the study. These soil and plant tissue data are included in the summary of chemical data (presented as Attachment A of this technical memorandum) for completeness in terms of the cattle grazing study. However, P4 is not requesting a data quality review of the soil and plant tissue data, or potential validation of these data, at this time. This is because P4 believes that the soil and plant tissue data collected as part of the 2009 investigation are more robust than the 1999 soil and plant tissue data for purposes of contaminant characterization and risk assessment.

The Selenium Committee coordinated the analysis of the cattle tissue and blood samples at the University of Idaho Analytical Services Laboratory (UIASL). The purpose of the study was to determine if levels of the targeted trace elements (i.e., cadmium, copper, iron, lead, manganese, molybdenum, selenium, and zinc) were elevated as a result of increased exposures related to phosphate mining, and, if so, to quantify any threat posed to human health. The information was also to be used, to the extent possible, to evaluate any threat of historic P4 mining activities on the health of other grazing livestock and wildlife (MW, 2000).

The cattle depuration investigation was initiated late in the planning phase of the 1999-2000 regional investigation and, as a result, the final protocols were not included in the *1999-2000 Regional Investigation Sampling and Analysis Plan, Southeast Idaho Phosphate Resource Area Selenium Project* (MW, 1999). The study protocols and results from the post-mortem samples were presented and evaluated in the *1999 Interim Investigation Data Report, Southeast Idaho Phosphate Resource Area Selenium Project* (MW, 2000). Appendix J of that report summarizes the 1999-2000 post-mortem cattle sample laboratory results. MWH Americas, Inc. (MWH) has the Certificates of Analysis (COAs) for all of the samples collected in 1999 and 2000, and all associated preparation log reports, "Quality Control" reports, raw instrument data, and electronic data deliverables (EDDs). The 1999-2000 cattle tissue and blood data are included in 'Attachment A' of this technical memorandum.

3.0 ADDRESSING OTHER IDENTIFIED CONCERNS PRIOR TO 4-STEP ASSESSMENT

Subsequent to submitting the *Pre-2004 Documents and Data Review and Summary for the Historic P4 Production Phosphate Mines, Caribou County, Idaho* (MWH, 2008), the A/T requested P4 to assess completeness of data packages from a representative subset of pre-2004 data packages from all

project laboratories using the content items identified by the A/T. This effort was documented in the table titled "Pre-2004 Data Package Content Assessment, Selected Data Packages." Based on that assessment, the UIASL data packages appeared to be incomplete when compared to the more comprehensive data packages provided by the two commercial laboratories. Additionally, Item No. 2 on page 2 of the Roadmap identified a specific concern regarding non-standard matrices. P4's responses to these concerns, as they may relate to the cattle tissue and blood data, are provided in Sections 3.1 and 3.2.

3.1 Addressing A/T Concern Regarding Incomplete Data Packages from the UIASL

The content items in the table titled "Pre-2004 Data Package Content Assessment, Selected Data Packages" are listed (as applicable to the inductively coupled plasma atomic emission spectrometry [ICP-AES] methods) in Table 1 below. The information provided in Table 1 provides a more detailed assessment of the UIASL data packages. Please note the content items specified by the A/T are based on standards developed by the USEPA Contract Laboratory Program (CLP), SW-846, and National Environmental Laboratory Accreditation Conference (NELAC). For example, "Form 1 equivalent" is a specific reference to the CLP field/laboratory sample results page and has required data fields. The information listed in Table 1 is an attempt to provide a map to, or summary of, where the data in the specific content item can be found in the documentation provided by UIASL. The CLP forms (or equivalent) were developed to provide a summary of the relevant data or information from the laboratory standard operating procedures (SOPs); chain-of-custody, sample-receipt, and preparation log documents; and instrument data. A summary presentation of these data allows for review, but the absence of summary forms does not preclude the results from being reviewed or validated. Additionally, Table 1 provides a response to the quality control (QC) samples listed by the A/T as needed for completeness which were not performed by UIASL (e.g., serial dilutions and interference check standards).

Table 1. Detailed Evaluation of UIASL Data Package Content

Content Item	UIASL Documents [a]	Description/Comment	Assessment/Implication
Table of Contents, pagination, sample summary (a cross-reference of field and laboratory identifications)	Not provided.	Individual data packages are generally several hundred pages long, thus these items are needed for ease of use for data reviewers and validators; having them saves time in navigating the data. Laboratories also include these elements for legal defensibility. MWH has received all available and relevant laboratory documents, and has assembled preparation and analytical batching key as presented in a more detailed electronic data deliverable (EDD or the "MWH EDD") provided as Attachment A. A cross reference of laboratory and field IDs is provided in log-in sheets.	MWH has prepared a more detailed EDD; the validators will be able to more quickly validate the data.
Case Narrative	Not provided.	A case narrative summarizes the analytical findings and identifies discrepancies with respect to the receipt, preparation, and analysis of samples, and provides a statement and/or signature of responsibility for the data report. The case narrative shows that the laboratory has maintained QA/QC for the reported results and provides accountability through the signature of an authorized person. Although a case narrative was not provided, the cover sheet to the sample data is presented on UIASL letterhead and is titled "Certificate of Analysis." The cover sheet has laboratory personnel initials and/or signatures and dates for "1st Level QC" and "2nd Level QC." The 1st Level QC was performed by the laboratory supervisor who verified results of calibration, QC samples, and client samples, and the 2nd Level QC was performed by the laboratory director who review the data presented in the COA.	The case narrative provides the reviewer with a "heads up," which gives them an idea of what to expect, but the lack of a case narrative does not prevent a validator from accurately validating the data.
Laboratory Log-in Forms	Provided.	The log-in form documents the condition of samples upon receipt at the laboratory. UIASL log-in sheets note Sample ID, matrix (organ type, soil, plant), laboratory ID, UIASL Case #, and date of sample receipt.	None.

Content Item	UIASL Documents [a]	Description/Comment	Assessment/Implication
Chain-of-Custody Forms	Provided.	The field chain-of-custody document associated with a given sample documents the life of the sample from collection to receipt at the laboratory. Chain-of-custody documents are typically initiated by the sampler. The U of I graduate student who conducted the field study initiated the chain-of-custody documents for the grazing phases most-mortem phases of the study. Although these documents do not list date and time of individual sample collection, the date and time the samples were relinquished to the laboratory is listed. Similarly, the veterinarian who conducted the blood draws and biopsies did not list date and time of individual sample collection, but the date the samples were relinquished to the laboratory is listed.	Custody is maintained from collection of samples by the U of I graduate student and veterinarian who conducted the cattle study to receipt at UIASL. The lack of individual sample date and time of collection does not impact data usability because the data of collection can be approximated by the relinquished date and the holding time (6 months) for the target metals for the cattle study samples was not exceeded.
Form 1 equivalent [a]	Provided.	Form 1 requires the following items: Lab Name, SDG No., Matrix, Lab Sample ID, Date Received, date analyzed, dilution factor, % solids, units, Chemical Abstracts Service Number (CAS or CAS No.), Analyte, Concentration, and detection limit. Results are reported on a wet weight basis.	The Lab Name, SDG No., Matrix, Lab Sample ID, Date Received; % solids (or moisture content), units, Analyte, Concentration, and estimated detection limits (EDLs) are provided as UIASL COAs (or “Case #”). CAS, dilution factor, and dry/wet weight reporting basis are not listed on the COA, but are provided in the MWH EDD.
Method or Preparation Blank Results	Not provided.	A method blank is a clean-laboratory matrix that is prepared and analyzed in a manner similar to that of the samples. The blanks that are listed on the preparation logs are not true method blanks since they were not digested. Reagent (or instrument) blanks were prepared with all the acids used to digest the samples prepared with a given batch; however, the reagent blanks were not digested. Reagent blanks were prepared and analyzed at a rate or frequency of 10% of samples.	The reagent/instrument blanks would provide all of the same information (that is, identification or presence of acid or glass-ware contamination) as a method or preparation blank. Blanks are clearly associated on preparation log sheets and raw instru-ment analytical run sum-maries; thus, they can be associated to field samples, and field samples can be qualified as needed. Batching is summarized in the MWH EDD.

Content Item	UIASL Documents [a]	Description/Comment	Assessment/Implication
Laboratory Control Sample (LCS) Recovery Forms [b]	Samples identified as "Lab. Blank Spike" (laboratory identifications with "BS" suffice) are UIASL laboratory control samples; however, these are not true LCSs since they were not digested.	An LCS is a clean-laboratory matrix to which is added known concentration of target analytes and is prepared and analyzed in a manner similar to that of the samples. The LCSs that are listed on the preparation logs are not true LCSs since they were not digested. The LCS Form requires the following items: Lab Name, SDG No., LCS Source, True and Found Concentrations, percent recovery (%R), and acceptance limits. The LCSs (also referred to as fortified blanks or blank spikes) were prepared with all the acids used to digest the samples prepared with a given batch; however, as with the blanks above, the blank spikes were not digested. The UIASL blank spikes were prepared and analyzed at a rate or frequency of 10% of samples.	The Lab Name and SDG No. are documented on the preparation forms. The %Rs are documented on the COAs and the MWH EDD. The acceptance limits are specified in the SOPs. The True Concentrations are documented in the raw data. Since the UIASL blank spikes are not true LCS, this represents uncertainty with respect to controlling the batch based on a prepared, clean-laboratory spike (also note that the ICP blank was spiked with all target analytes but the recovery of only cadmium was calculated and reported). However, completeness of digestion and documentation of acceptable recoveries on representative matrix can be evaluated using the Standard Reference Material (SRM) data.
Matrix spike/matrix spike duplicate (MS/MSD) Forms [b]	Not provided.	UIASL analyzed triplicates and MS instead of MS/MSD. MS/MSD Form requires Lab Name, SDG No., Matrix, % Solids; Control Limit, Spiked Sample Result, Sample Result, and Spike Added, and %R. The Lab Name, SDG No., Matrix, Spiked Sample Result, and Spiked Result are documented on the preparation forms. % Solids (moisture content) is documented on the COA. The %Rs are documented on the COAs. The Spike Added, Control Limits, and %Rs are documented in the MWH EDD. Control Limits for MSs are not specified in the SOPs or other laboratory documentation.	Lack of a specified acceptance criterion does not preclude establishing a validation criterion for qualification of associated data. The spike concentrations are near the median detected concentration of the samples, so are representative of the sample media.
Analytical Run Logs	Not provided.	Analytical run logs are a time sequence of the analysis of laboratory instrument QC samples (calibration and instrument blanks) and prepared ("prep") samples (field samples and	The analytical dates/times for all calibration, laboratory QC samples, and field samples are recorded on the raw data

Content Item	UIASL Documents [a]	Description/Comment	Assessment/Implication
		batch QC samples). UIASL batch sheets provide information on the prep batch and laboratory instrument QC samples. The raw data packages include a summary of the analytical run sequence. (Note: The "Ref." on the COA contains date and time information, which is not the analytical run time, but rather the date/time the instrument data were uploaded to the laboratory's information management system.)	and are documented on the MWH EDD.
Initial Calibration and Calibration Blanks	Not all raw data packages contained documentation for initial calibration. For those packages that did contain calibration data, the results were not summarized on forms. Additionally, for some ICP data where two-point and multipoint calibrations were performed (as discussed in the next column), calibration parameters were not provided in the raw data, so were not available to be summarized on forms.	The initial calibration for vapor generation inductively coupled plasma atomic emission spectrometry (VGICP) and ICP is established from the analysis of a calibration blank and one or more calibration standards at varying concentrations; the high concentration standard establishes the working linear range of the instrument. Some of the VGICP and ICP raw data packages did not have documentation for initial calibration. The initial calibration for vapor generation inductively coupled plasma atomic emission spectrometry (VGICP) and ICP is established from the analysis of a calibration blank and one or more calibration standards at varying concentrations; the high concentration standard establishes the working linear range of the instrument. The slopes and intercepts of 2-point calibration curves and the correlation coefficients for the multipoint calibration curves were not summarized on forms. With the exception noted below, the results of initial calibration are documented on the raw data. *Selenium by VGICP* The laboratory procedure was as follows:	UIASL has provided all available documentation. UIASL was unable to locate the initial calibration data associated with some datasets, so there data are not available. All sample results associated with undocumented initial calibration data will be flagged.

Content Item	UIASL Documents [a]	Description/Comment	Assessment/Implication
		• Correlation coefficient (r) was determined from a three-point calibration (blank, 50, and 300 μg/L). • The r value was recorded on the raw instrument data. • Laboratory used an acceptance limit of r ≥ 0.995. • Initial calibration was rerun if r < 0.995. • If r ≥ 0.995, then a calibration factor determined from the linear regression was used to determine sample concentration based on instrument response. *Heavy metals by ICP* The ICP software did not record the slope and intercept for the two-point calibration on the raw data. The laboratory procedure was as follows: • A two-point calibration was established per Section VI.I of SOP SMM.52.0101.01 (blank and 1-5 μg/L (depending on metal). • A slope and intercept were calculated but were not recorded on the raw instrument data. • Instrument responses and reported concentrations can be used to verify a recalculated slope and intercept. The laboratory analyzed a blank to establish initial calibration. Reagent (or instrument) blanks were prepared with all the acids used to digest the samples prepared with a given batch. Reagent blanks were prepared and analyzed at a frequency of 10% of samples.	ICP: Sample results obtained from daily two-point calibration generated during this timeframe can be verified by the data validators using the example calculation provided in Attachment B of the *Data Quality Assessment – Pre-2004 Data 1999-2000 Elk Tissue Samples Technical Memorandum.*
Initial Calibration Verification (ICV)	Not performed.	ICV are instrument standards that are analyzed subsequent to the initial calibration. These standards are prepared from a traceable reference material that is from a different source ("second source") as that used to establish the standards used in the initial calibration. The UIASL SOPs do not specify ICV, and ICVs were not	An ICV from a second source provides data that ensures that the standards used for the initial calibration were prepared correctly or were not otherwise compromised. As such, the lack of a second-source standard to

Content Item	UIASL Documents [a]	Description/Comment	Assessment/Implication
		analyzed.	verify the initial calibration may mean that the calculated sample concentrations are inaccurate. However, UIASL analyzes SRMs, and the SRMs are within control limits for accuracy, which provides assurance that the initial calibration standards have not been compromised.
Continuing Calibration Verification (CCV)	Performed (identified as "CS" or "check standards" on COAs and raw data) but results were not summarized on forms.	The laboratory analyzed a mid-level concentration CCV to verify calibration. CCVs were analyzed at a frequency of 10%. The %Rs for the CSs are not summarized on a form, but are documented on the COAs and are hand-marked on the raw data packages.	Acceptance criteria are not specified in the SOPs or other laboratory documentation; lack of a specified acceptance criterion does not preclude establishing a validation criterion for qualification of associated data.
ICP Interface Check Sample Recoveries	Not performed.	An interference check standard (ICS) is a standard that contains known concentrations of interfering elements that will provide an adequate test of the correction factors used to address spectral interferences. The UIASL does not specify ICS in the SOPs, and ICSs were not analyzed. The VGICP used at the time of analysis of samples associated with the cattle study was dedicated to selenium analysis, and did not incorporate interelement correction equations; however, output provided for negative values. The ICP instruments used at the time of this study incorporated interelement correction equations and output provided for negative values.	VGICP: Per Dr, McGeehan, "Given that the chemistry of the hydride formation is highly selective for Se, I don't see this as a limitation of the validity of the data. The only significant interference for Se by hydride that I'm aware of is As." (McGeehan, 2009a).[c] ICP: Per Section 4.2.10 of EPA Method 6010C, "When interelement correction is not used, verification of absence of interference is required," and per Section 7.8, "If the particular instrument will display overcorrection as a negative number, this spiking procedure will not be necessary." Thus, the absence of ICSs does not impact data quality.
Matrix Duplicate	Provided (as duplicates identified with	For each preparation batch, one field sample was selected for duplicate preparation and analysis. Results are	Control Limits for duplicates are not specified in the SOPs or

Content Item	UIASL Documents [a]	Description/Comment	Assessment/Implication
	"D" suffix).	reported on COAs, but the percent differences are not calculated or summarized on a form.	other laboratory documentation; lack of a specified acceptance criterion does not preclude establishing a validation criterion for qualification of associated data.
Serial Dilution % Differences	Not performed.	Serial dilutions are run to assess sample matrix effects on measurements. For CLP, one serial dilution is run per batch of analyses. A serial dilution can be performed if the results of MS/MSD are not within control limits. If serial dilution analysis is performed as a result of failing MS/MSD, and does not pass acceptance criterion, then a sample matrix effect for affected target analytes is established. The UIASL SOPs do not specify serial dilution samples and serial dilution samples were not analyzed.	The absence of serial dilution does not preclude qualification of associated field samples based on failing MS/MSD. In the case of cattle data, if MS/MSD %Rs are outside Functional Guideline control limits, and post-digestion spike sample results are not available, associated field results could be flagged based on MS/MSD %Rs.
Low-level Check Standard	Not performed.	Low-level check standard is an instrument standard that contains target analytes at concentration at or near the reporting limits. Low-level check standards were not performed.	The CSs are functionally low-level check standards because they were spiked at concentrations approximately 10 times the estimated detection limit (EDL). Results are reported on COAs and summarized in the MWH EDD. Control Limits for check standards are not specified in the SOPs or other laboratory documentation; lack of a specified acceptance criterion does not preclude establishing a validation criterion for qualification of associated data.
Method Detection Limits (MDLs) and Practical Quantitation Limits (PQLs) or Reporting Limits (RLs)	MDLs not performed during the period the cattle study samples were analyzed; RLs not provided.	UIASL reported EDLs, which are equivalent to instrument detection levels (MDLs were not developed until later in 2000, after the preparation and analysis of all samples related to this cattle study). The EDLs are less than approximately 1 to 2 orders of magnitude of the concentrations spiked in the check standards.	The implication of using instrument detection levels could be evaluated at Step 4 of the data assessment process (see additional discussion in Section 3.2 of this Tech Memo).

Content Item	UIASL Documents [a]	Description/Comment	Assessment/Implication
Standard Reference Material (SRM)	Provided (identified as "TORT" samples); in-house reference material (indentified as "HRL") also provided.	When commercially available, UIASL analyzed TORT, which is externally-supplied (outside vendor) certified SRM. At a rate of 10% of samples, UIASL analyzed internally-prepared reference material identified as "House Reference Liver" (or HRL)[d]. Known or reference concentrations and recoveries for TORT (analyzed when available) and HRL samples are summarized on the Quality Control forms. The HRL contained all analytes reported for the animal tissue samples.	The spike amounts for the reported analytes in the HRL were within the range of detected concentrations in the field samples for Se and Mo, but were slightly higher than the detected range for iron (Fe), copper (Cu), cadmium (Cd), lead (Pb), zinc (Zn), and magnesium (Mg).

[a] At the time of analysis and reporting, it was not requested that the laboratory provide full data packages; thus, the laboratory packages consisted only of the COAs, which are paginated. Many COAs were presented with full signature by laboratory personnel, but some had only initials of laboratory personnel. The reports were not assembled with case narratives, chain-of-custody documents, or copies of raw data, so there was no table of contents or pagination that included these documents. MWH requested chain-of-custody documents, preparation logs, and raw instrument data; UIASL provided all requested documents. A case narrative was not standard practice for the laboratory, so none is available.

[b] Required items such as Contract, Lab Code, Case No., NRAS No, and other CLP-specific coding are USEPA-CLP specific items that are not necessary if work is not performed for CLP so are not listed here.

[c] Spectral and matrix interferences are rare because selenium is volatilized and separated from the sample matrix prior to analysis (thus the material that is analyzed contains little that would interfere with selenium). Arsenic is the only known interferant in the measurement of selenium by ICP hydride. The interference from arsenic is physical rather than spectral. The physical interference is from hydride-formation, which can suppress the signal, resulting in potentially biased low results for selenium. This phenomenon would occur only in the presence of relatively high concentrations of arsenic (Mindak et al, 1999). During the period when the cattle samples were analyzed, arsenic was not spiked in the HRL. However, in subsequent years, the HRL was spiked with arsenic at concentration of 48 μg/g, and UIASL routinely runs other SRM (NRC-TORT) which contains 21 μg/g arsenic. UIASL has documented no interference problem with selenium recovery using either of these reference materials.

[d] Preparation of HRL: bovine liver was obtained from the Washington State University School of Veterinary Sciences. A large quantity of the liver was lyophilized, completely homogenized, and spiked with the analytes of interest. Spike concentrations were based on normal and elevated values observed in liver samples analyzed as part of the UIASL Veterinary Toxicology program over a 10 year period. The spiked liver samples were thoroughly homogenized again and analyzed on a properly calibrated instrument. Acceptance ranges (plus or minus 2 standard deviations) were based on a minimum of 10 replicates.

The following summarizes the deficiencies or non-standard laboratory practices that contribute to uncertainty with respect to the quality of the cattle study data:

- At the time of analysis and reporting, it was not requested that the laboratory provide full data packages; thus, the laboratory packages consisted only of the COAs, which are paginated. Many COAs were presented with full signature by laboratory personnel, but some had only initials of laboratory personnel. The reports were not assembled with case narratives, chain-of-custody documents, or copies of raw data, so there was no table of contents or pagination that included these documents. MWH requested chain-of-custody documents, preparation logs, and raw instrument data; UIASL provided all requested documents. A case narrative was not standard practice for the laboratory, so none is available.

- Some of the raw data packages did not contain documentation of initial calibration. UIASL has provided all available documentation. UIASL was unable to locate the initial calibration data associated with some datasets, so there data are not available. All sample results associated with undocumented initial calibration data will be flagged,

- There is insufficient raw data provided to validate the molybdenum data reported for plasma samples (these data are noted in Attachment A).

- The zinc results reported for samples collected in red-top tubes (serum) for a subset of samples may be biased high because the UIASL reported that the rubber stopper contains zinc and may have contaminated samples (these data are flagged in Attachment A).

- The UIASL SOPs do not state initial or continuing calibration acceptance criteria. Acceptance criteria for initial calibration data have been provided by UIASL and are summarized in Table 1.

- Laboratory blanks and fortified blanks (or LCSs) were not processed through the exact same procedure as the field and other laboratory QC samples. The exception is that they were not digested.

- MDLs were not established for the samples prepared, analyzed, and reported in 1999. Rather, those data were reported with UIASL EDLs (i.e., instrument detection limits).

- The laboratory did not provide an analytical run log summary.

- Interference check standards were not analyzed.

- UIASL did not have established control limits for matrix spike samples.

- The "known" concentrations reported by UIASL for the internally-prepared HRL were not verified by an external source.

- UIASL no longer retains the documentation of the prepared HRL used during the period that the cattle study samples were analyzed.

3.2 Addressing A/T General Observation for Samples with Non-Standard Matrices

The A/T requested P4/MWH to address the following concern regarding nonstandard matrices prior to working through the first step of the assessment:

> The biota matrix extraction/digestion information for all labs needs further evaluation. P4 should evaluate the biota sample extraction/digestion preparation procedures and the associated QC to determine if data validation is possible. This is needed to ensure that the

> recovery of the compounds of concern was appropriate (for example, was there sufficient extraction/digestion from the site sample into the solvent media that is run through the instrument). With nonstandard matrices, it is quite common that the compounds/analytes of concern are not sufficiently recovered into the sample that is being measured. As a result, the instrument's output may meet the project/laboratory QC criteria but the final result is not representative of the site sample.

P4 has evaluated the extraction/digestion preparation procedure and associated QC samples and has determined that data validation is possible. The following laboratory SOPs (provided as Attachment C of the *Data Quality Assessment – Pre-2004 Data 1999-2000 Elk Tissue Samples Technical Memorandum*) specify detailed information on preparing and digesting tissue samples and method validation:

- UIASL SOP SMM.52.080.05: Total Selenium in Biological Tissue by Vapor Generation ICP (VGICP).
- UIASL SOP SMM.52.010.01: Heavy Metals in biological Tissue by ICP.
- UIASL SOP.15.008.04: Procedures for Organic EPA Method Validation (UIASL confirmed that the SOP also applies to inorganic methods).

The preparation log sheets for each method follow one-to-one the preparation steps listed in Section V (Sample Preparation) of the ICP SOPs. Using selenium analysis by VGICP as an example, the HRL was spiked at 100 times the EDL (or 0.5 μg/g compared to the EDL of 0.005 μg/g). The HRL spike level is within the range of detection of selenium in the animal tissue samples (0.097 to 2.22 μg/g). There are a sufficient number of HRL results to evaluate statistically to establish an after-the-fact level of detection for biota. This analysis could be performed during Step 4 of the assessment.

The current Director of UIASL, Steven McGeehan, Ph.D., responded to the A/T concern as follows:

> We analyze hundreds of these sample types each year as part of our Veterinary Toxicology program. We also collaborate with several other vet-tox labs across the country on Se methodology (including sample preparation, digestion, and instrumentation). I am quite confident in stating that the digestion preparation procedure was more than adequate to insure complete recovery of Se in the sample being measured (McGeehan, 2009b).

These inter-laboratory veterinary toxicology data could also be evaluated and presented at Step 4.

4.0 ADDRESSING NEXT STEPS TO COMPLETE AN ASSESSMENT OF THE PRE-2004 DATA

The section of the Roadmap titled "Next Steps to Complete an Assessment of the Pre-2004 Data" identified the following four steps for assessing the pre-2004 data (IDEQ, 2009):

1. determine data needs;
2. screen data for use;
3. validate data; and
4. document data quality.

The first two steps are evaluated in Sections 4.1 and 4.2.

4.1 Determine Data Needs

The intended use of the cattle tissue and blood data is to support the remedial investigation and feasibility study (RI/FS) for the P4 mines, and to assist P4 and the A/T in making informed risk management decisions regarding whether or not past P4 mining activities are potentially impacting human health through the consumption of cattle tissues harvested from cattle grazing on the P4 mines; the health of cattle or other livestock grazing on the P4 mines; or populations of ecological receptors (e.g., wild ungulates) that may forage on the P4 mines. The cattle tissue and blood data represent one line of evidence and will be evaluated in conjunction with other lines of evidence (e.g., screening levels, action levels, and/or predicted concentrations based on soil or vegetation concentrations and standard exposure models) during the preparation of human health and ecological risk assessments for the P4 mines. Specifically, the 1999-2000 cattle tissue and blood data could be used as follows:

- Human Health Risk Assessment: The cattle tissue and blood data could be used in a qualitative and/or quantitative evaluation of human health risks in a baseline human health risk assessment. Specifically, concentrations of trace metals in cattle heart, liver, kidney, and muscle tissue could be used to model hypothetical exposures in humans who consume cattle tissues harvested from areas in and around P4's Ballard, Henry, and Enoch Valley mines. Modeled exposure doses of trace metals in humans through cattle tissue consumption could be compared to non-cancer reference doses (RfDs) to calculate non-cancer hazard quotients (HQs). Calculated HQs could be compared to USEPA's acceptable HQ criterion of 1 to evaluate whether predictive human health exposures based on cattle tissue data exceed the generally accepted human health hazard criteria. Conclusions regarding potential human

health risks associated with the consumption of cattle tissues harvested from the vicinity of P4's Ballard, Henry, and Enoch Valley mines will be based on multiple lines of evidence including, but not limited to, comparison of cattle tissue concentrations to screening levels, action levels, and/or predicted concentrations based on soil or vegetation concentrations and standard exposure models. Conclusions drawn from multiple lines of evidence in the human health risk assessment will be used in risk management decisions regarding the mines.

- Ecological Risk Assessment: The cattle tissue and blood data could be used in a qualitative evaluation of ecological risks in a screening-level ecological risk assessment. Specifically, concentrations of trace metals in cattle heart, liver, kidney, or muscle tissue could be compared to published concentrations of these trace metals in the tissue of similar organisms (e.g., wild ungulates or livestock) that represent a no-observable-adverse-effect-level (NOAEL) or a lowest-observable-adverse-effect-level (LOAEL). If concentrations of trace metals in cattle heart, liver, kidney or muscle tissue exceed LOAEL concentrations of these trace metals in such organisms, then it could be concluded that there is a potential for ecological risks to ungulates, including cattle, associated with grazing on P4's Ballard, Henry, and Enoch Valley mines. Such conclusions will be based on multiple lines of evidence potentially including, but not limited to, comparison of measured cattle tissue concentrations to tissue-based screening levels, action levels and/or tissue concentrations measured in livestock (e.g., horses, cattle, sheep) associated with poisoning episodes within the Southeast Idaho Phosphate Resource Area. Conclusions drawn from multiple lines of evidence in the ecological risk assessment will be used in risk management decisions regarding the mines.

Data needs were determined using systematic planning with the USEPA data quality objectives (DQO) process (EPA QA/G4 guidance, data quality objectives process; USEPA, 2000). In this case, the DQOs are used to guide decisions on whether existing data are of the appropriate type and quality to support specific intended uses (i.e., risk assessment, site characterization, data gap analysis, or scoping).

Table 2. Cattle Tissue and Blood Data Quality Objectives

Step 1 -State the Problem	Levels of targeted trace elements may be elevated in beef cattle tissues and blood as a result of increased exposures related to historic phosphate mining. The quantified threat to human health or the environment, if any, is not well defined.
Step 2 – Identify the Goals of the Study	<u>Principal Study Question 1 (PSQ1):</u> Are sufficient beef cattle tissue and blood constituent of potential concern (COPC) and constituent of potential ecological concern (COPEC) concentration data available to characterize the nature and extent of trace mineral exposures in animals grazing within the Southeast Idaho Phosphate Resource Area, in support of P4 RI/FS activities? <u>Alternative Actions:</u> 1. No action. Existing data are of adequate quality and quantity to characterize trace mineral exposures to grazing animals associated with phosphate mining within the

	Southeast Idaho Phosphate Resource Area. 2. Collect cattle tissue and blood data to provide additional COPC and COPEC concentration data, and spatial coverage. <u>Decision Statement:</u> Decide whether sufficient data (number of cattle tissue and blood samples and spatial coverage) are available to adequately characterize the nature and extent of cattle tissue contamination at potential source areas. <u>Principal Study Question 2 (PSQ2):</u> Are data sufficient to determine if risk-based screening levels and/or action levels for human health, livestock or wildlife are exceeded within portions of the Southeast Idaho Phosphate Resource Area impacted by phosphate mining, including the P4 mines? <u>Alternative Actions:</u> 1. No action. Cattle tissue and blood data are sufficient and risk screening indicates that COPC and COPEC tissue concentrations do not exceed risk-based screening levels. 2. Some COPC or COPEC concentrations exceed risk-based screening levels. <u>Decision Statement:</u> Decide what additional cattle tissue and blood data are needed so that comparisons can be made to appropriate human health screening levels. <u>Principal Study Question 3 (PSQ3):</u> Are numbers and coverage for beef cattle tissue and blood samples sufficient to support analyses in the baseline RA and FS (e.g., were the results from the grazing study at the Henry mine representative of tissue and blood concentrations of cattle that grazes at the Ballard and Enoch Valley Mines)? <u>Alternative Actions:</u> 1. No action. Existing data are of adequate quality and coverage to conduct a baseline RA for the P4 mines. 2. Collect additional beef cattle tissue and blood data to provide supporting data for RA and FS analyses. <u>Decision Statement:</u> Decide whether sufficient tissue and blood COPC/COPEC concentrations and coverage data are available to support baseline RA and FS studies and collect additional data, as needed.
Step 3 – Identify Information Inputs	The information inputs for the decision process includes the following items that may exist or will need to be collected – • list of COPCs and COPECs • conceptual site models (CSMs) • sample location maps (spatial coverage of existing data) • laboratory quality information • risk-based screening benchmarks for COPCs and COPECs • beef cattle tissue and blood COPC and COPEC data (existing; use of existing data will be dependent upon evaluations of data usability and data validation)

Step 4 – Define the Boundaries of the Study	Spatial Boundaries: • Cattle tissue and blood samples were collected from cattle grazing on three 30 acre fenced pastures located on reclaimed portions of Henry Mine, as well as from cattle grazing on a native, undisturbed, non-seleniferous pasture in the vicinity of Grays Lake Wildlife Refuge. Temporal boundary: • Existing tissue and blood data were collected during the summer grazing period of 1999. Additional tissue sampling was performed between October 1999 and February 2000 on cattle removed from Henry Mine and the native, non-seleniferous pasture.
Step 5 – Develop the Analytical Approach	The analytical methods used to process cattle samples are as listed as follows: • Selenium by vapor generation ICP • Trace element screen by ICP • Heavy metal screen by ICP
Step 6 – Specify Acceptance Criteria	Data will be validated to the extent possible, with any qualifiers assigned. Use of data will be limited to the restrictions of qualifiers, if any.
Step 7 – Develop the Plan for Existing Data	Existing beef cattle tissue and blood data will be evaluated for quality and intended final use by reviewing laboratory quality data and risk assessment needs. Validation will proceed upon A/T acceptance of quality evaluation and intended final use.

4.2 Screen Data for Use

This section presents the screening assessment as outlined in Step 2 of the Roadmap.

This screening/assessment can be documented in a report consisting of introductory text, a summary table, and review worksheets. The summary table should contain the following information:

- pre-2004 data episode;
- analytical laboratory;
- matrix;
- target analytes;
- detection limits;
- action levels;
- description of spatial coverage;
- other relevant comments or notes on the parameters per the DQOs; and
- a final column indicating whether the data passes for the next step of the assessment.

This technical memorandum provides the summary table as Table 3. Instead of providing review worksheets, the analytical data, including preparation and analytical batching information, are consolidated in the MWH EDD provided as Attachment A.

Table 3. Screening Summary for the 1999-2000 Cattle Tissue and Blood Data

Pre-2004 Data Episode:	1999 Beef Cattle Tissue and Blood Data
Analytical Laboratory:	University of Idaho Analytical Sciences Laboratory (UIASL) Holm Research Center Moscow, ID 83844-2203 (208) 885-7081 Point of Contact: Janet Snow (jsnow@uidaho.edu) 208/885-5809 Laboratory Director: Steven McGeehan, Ph.D.
Matrix: Target Analytes and Detection Limits:	Biota (kidney and liver tissue); heart and muscle analyzed for Se only

Analyte	EDL, µg/g (wet wt)	Instrument	UIASL SOP
Cadmium	0.2	ICP	SMM.52.010.01
Copper	0.3	ICP	SMM.52.010.01
Iron	0.4	ICP	SMM.52.010.01
Lead	2.3	ICP	SMM.52.010.01
Manganese	0.1	ICP	SMM.52.010.01
Molybdenum	0.9	ICP	SMM.52.010.01
Selenium	0.005	VG ICP	SMM.52.080.05
Zinc	0.1	ICP	SMM.52.010.01

EDL - estimated detection limit
VGICP - Vapor Generation ICP
ICP - inductively coupled plasma atomic emission spectrometer

Matrix: Target Analytes and Detection Limits:	Biota (blood serum); plasma analyzed for Mo only and whole blood analyzed for Se only

Analyte	EDL, µg/g (wet wt)	Instrument	UIASL SOP
Calcium	0.07	ICP	SMM.52.010.01
Copper	0.07	ICP	SMM.52.010.01
Iron	0.22	ICP	SMM.52.010.01
Magnesium	0.04	ICP	SMM.52.010.01
Molybdenum (plasma only)	0.007	ICP	SMM.52.010.01
Potassium	2.0	ICP	SMM.52.010.01
Selenium	0.005	VG ICP	SMM.52.080.05
Zinc	0.08	ICP	SMM.52.010.01

EDL - estimated detection limit
VGICP - Vapor Generation ICP
ICP - inductively coupled plasma atomic emission spectrometer

Analytical Package Summary:	UIASL Case # / UIASL Sample ID Ranges EOT99-02 E9901164 through E9901243 EOT99-07 E9901375 through E9901454 ENV99-02 E9901851 through E9901890 ENV99-06 E9902017 through E9902096 EDC99-02 E9902098 through E9902137 EDC99-04a E9902144 through E9902183 VJN99-113 V9902551 through V9902580 VJY99-30 V9902793 through V9902824 VJY99-86 V9903067 through V9903096 VAG99-43 V9903219 through V9903248 VSP99-09 V9903455 through V9903484 VSP99-37 V9903561 through V9903596 VSP99-70 V9903765 through V9903804 EJR00-01 E0000001 through E0000038 EJR00-03 E0000051 through E0000090 EJR00-04 E0000091 through E0000130 EFY00-01 E0000177 through E0000196 EFY00-03 E0000200 through E0000219 EFY00-06 E0000231 through E0000250 EFY00-07 E0000251 through E0000270
Action Levels:	Cattle tissue-based action levels for the protection of human health are available in the Australia and New Zealand Food Standards Code (FSANZ, 2009). Ranges of adequate/normal concentrations and toxic chemical concentrations for trace minerals in cattle tissues are available in Puls (1994). These human health and ecological values are presented in Attachment B. EDLs for all constituents in all media are below the available Australia and New Zealand Food Standards Code (FSANZ, 2009) and adequate/normal and toxic range (Puls, 1994) except for the EDLs for molybdenum in liver and kidney. The molybdenum liver and kidney EDL of 0.9 mg/kg is below the toxic liver and kidney range of 2.0-100 mg/kg and 1.15-34.0 mg/kg, respectively.
Description of Spatial Coverage:	The cattle grazing study was conducted on three 30 acre fenced pastures located on the reclaimed portions of the Henry mine. The reclaimed Henry Mine is located approximately 30 kilometers north of Soda Springs, Idaho and seven kilometers east of the Blackfoot Reservoir and Henry, Idaho. Reference, or control, cattle tissue and blood samples were collected from cattle grazing on a native, non-seleniferous pasture in the vicinity of Grays Lake Wildlife Refuge, which is located north of the P4 mines.
Spatial Relevance:	Cattle tissue and blood data collected from cattle grazing at the reclaimed Henry mine are spatially relevant to the evaluation of potential exposures to cattle or other wild ungulates that graze at the Henry Mine, and humans who consume cattle that graze at the Henry Mine. In addition, the cattle tissue and blood data are representative of potential exposures to cattle and wild ungulates that graze at reclaimed areas of the Ballard and Enoch Valley Mines and humans who consume cattle that graze at reclaimed areas of the Ballard and Enoch Valley Mines.
Indicate whether the data passes for the next step of the assessment:	Yes, all data should be processed through Step 3 (data validation) of the Roadmap.

5.0 PATH FORWARD

If the A/T concur with the assessments presented herein for Steps 1 and 2 (determine data needs and screen data for use), P4 will prepare data validation report templates for the VGICP and ICP methods. After the templates have been reviewed and approved, a third-party data validation firm will validate the data per the criteria documented on the templates and provide written reports and electronic flagged data for uploading to the P4 project database. P4 will then proceed with Step 4 (document data quality) of the Roadmap (IDEQ, 2009).

The following excerpts are extracted from USEPA's 1992 *Guidance for Data Usability in Risk Assessment (Part A) – Final* (USEPA, 1992):

- Data are almost always useable in the risk assessment process, as long as the uncertainty in the data and its impact on the risk assessment are thoroughly explained.
- The analytical data objective for baseline risk assessments is that uncertainty is known and acceptable, not that uncertainty be reduced to a particular level.
- Uncertainties in toxicological measures and exposure assessment are often assumed to be greater than uncertainties in environmental analytical data; thus, they are assumed to have a more significant effect on the uncertainty of the risk assessment.
- Sampling variability typically contributes much more to total error than analytical variability.
- Field methods can produce legally defensible data if appropriate method QC is available and if documentation is adequate.
- Qualified data can usually be used for quantitative risk assessment.
- Use data qualified as U (non-detect) or J (estimated) for risk assessment purposes.
- The primary planning objective is that uncertainty levels are acceptable, known and quantifiable, not that uncertainty is eliminated.

Further, the USEPA acknowledges in its guidance that uncertainties in the analytical data are typically less than uncertainties in other portions of the risk assessment, including the exposure assessment and toxicity information (Section 2.1.4, USEPA, 1992).

6.0 REFERENCES

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ATTACHMENT A

MWH EDD – 1999-2000 Cattle Study Data

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ATTACHMENT A
MWH EDD - 1999 - 2000 CATTLE TISSUE AND BLOOD DATA

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Pre-Grazing	SAG99-20	S9901174CS	Check Standard	NA	Lab QC	CCV	7782-49-2	Selenium	1.76			ug/g	Wet Wt	1	1.57	112	NA	ICP, Hydride	VGICP_11-30-99B	1130SEHS	11/19/1999	11/30/1999	11:29	
Pre-Grazing	SAG99-20	S9901174	P1 1A	NA	Soil	Primary	7782-49-2	Selenium	24.8			ug/g	Wet Wt	1			8/13/1999	ICP, Hydride	VGICP_11-30-99B	1130SEHS	11/19/1999	11/30/1999	11:32	
Pre-Grazing	SAG99-20	S9901175	P1 2A	NA	Soil	Primary	7782-49-2	Selenium	12.7			ug/g	Wet Wt	1			8/13/1999	ICP, Hydride	VGICP_11-30-99B	1130SEHS	11/19/1999	11/30/1999	11:35	
Pre-Grazing	SAG99-20	S9901176	P1 3A	NA	Soil	Primary	7782-49-2	Selenium	28.8			ug/g	Wet Wt	1			8/13/1999	ICP, Hydride	VGICP_11-30-99B	1130SEHS	11/19/1999	11/30/1999	11:38	
Pre-Grazing	SAG99-20	S9901177	P1 4A	NA	Soil	Primary	7782-49-2	Selenium	32.4			ug/g	Wet Wt	1			8/13/1999	ICP, Hydride	VGICP_11-30-99B	1130SEHS	11/19/1999	11/30/1999	11:41	
Pre-Grazing	SAG99-20	S9901178	P1 5A	NA	Soil	Primary	7782-49-2	Selenium	17			ug/g	Wet Wt	1			8/13/1999	ICP, Hydride	VGICP_11-30-99B	1130SEHS	11/19/1999	11/30/1999	11:44	
Pre-Grazing	SAG99-20	S9901179	P2 1A	NA	Soil	Primary	7782-49-2	Selenium	55.2			ug/g	Wet Wt	1			8/13/1999	ICP, Hydride	VGICP_11-30-99B	1130SEHS	11/19/1999	11/30/1999	11:47	
Pre-Grazing	SAG99-20	S9901180	P2 2A	NA	Soil	Primary	7782-49-2	Selenium	61.3			ug/g	Wet Wt	1			8/13/1999	ICP, Hydride	VGICP_11-30-99B	1130SEHS	11/19/1999	11/30/1999	11:50	
Pre-Grazing	SAG99-20	S9901181	P2 3A	NA	Soil	Primary	7782-49-2	Selenium	40.5			ug/g	Wet Wt	1			8/13/1999	ICP, Hydride	VGICP_11-30-99B	1130SEHS	11/19/1999	11/30/1999	11:52	
Pre-Grazing	SAG99-20	S9901182	P2 4A	NA	Soil	Primary	7782-49-2	Selenium	36.6			ug/g	Wet Wt	1			8/13/1999	ICP, Hydride	VGICP_11-30-99B	1130SEHS	11/19/1999	11/30/1999	11:55	
Pre-Grazing	SAG99-20	S9901183	P2 5A	NA	Soil	Primary	7782-49-2	Selenium	21.6			ug/g	Wet Wt	1			8/13/1999	ICP, Hydride	VGICP_11-30-99B	1130SEHS	11/19/1999	11/30/1999	11:58	
Pre-Grazing	SAG99-20	S9901184	P3 1A	NA	Soil	Primary	7782-49-2	Selenium	73			ug/g	Wet Wt	1			8/13/1999	ICP, Hydride	VGICP_11-30-99B	1130SEHS	11/19/1999	11/30/1999	12:01	
Pre-Grazing	SAG99-20	S9901184D	P3 1A	NA	Soil	FD	7782-49-2	Selenium	67.3			ug/g	Wet Wt	1			8/13/1999	ICP, Hydride	VGICP_11-30-99B	1130SEHS	11/19/1999	11/30/1999	12:04	
Pre-Grazing	SAG99-20	S9901185	P3 2A	NA	Soil	Primary	7782-49-2	Selenium	105			ug/g	Wet Wt	1			8/13/1999	ICP, Hydride	VGICP_11-30-99B	1130SEHS	11/19/1999	11/30/1999	12:07	
Pre-Grazing	SAG99-20	S9901186	P3 3A	NA	Soil	Primary	7782-49-2	Selenium	73.7			ug/g	Wet Wt	1			8/13/1999	ICP, Hydride	VGICP_11-30-99B	1130SEHS	11/19/1999	11/30/1999	12:09	
Pre-Grazing	SAG99-20	S9901187	P3 4A	NA	Soil	Primary	7782-49-2	Selenium	55.4			ug/g	Wet Wt	1			8/13/1999	ICP, Hydride	VGICP_11-30-99B	1130SEHS	11/19/1999	11/30/1999	12:12	
Pre-Grazing	SAG99-20	S9901188	P3 5A	NA	Soil	Primary	7782-49-2	Selenium	64.1			ug/g	Wet Wt	1			8/13/1999	ICP, Hydride	VGICP_11-30-99B	1130SEHS	11/19/1999	11/30/1999	12:15	
Pre-Grazing	SAG99-20	S9901188CS	Check Standard	NA	Lab QC	CCV	7782-49-2	Selenium	1.59			ug/g	Wet Wt	1	1.57	101	NA	ICP, Hydride	VGICP_11-30-99B	1130SEHS	11/19/1999	11/30/1999	12:20	
Pre-Grazing	SAG99-20	S9901188CS2	Check Standard	NA	Lab QC	CCV	7782-49-2	Selenium	51.5			ug/g	Wet Wt	1			NA	ICP, Hydride	VGICP_11-30-99B	1130SEHS	11/19/1999	11/30/1999	12:23	
Pre-Grazing	SOT99-19	S9901642CS	Check Standard	NA	Lab QC	CCV	7782-49-2	Selenium	1.79			ug/g	Wet Wt	1	1.57	114	NA	ICP, Hydride	VGICP_11-30-99A	1130SEHB	11/19/1999	11/30/1999	14:16	
Pre-Grazing	SOT99-19	S9901642	P1 1D-F	NA	Soil	Primary	7782-49-2	Selenium	9.45			ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_11-30-99A	1130SEHB	11/19/1999	11/30/1999	14:19	
Pre-Grazing	SOT99-19	S9901643	P1 2D-F	NA	Soil	Primary	7782-49-2	Selenium	14			ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_11-30-99A	1130SEHB	11/19/1999	11/30/1999	14:22	
Pre-Grazing	SOT99-19	S9901644	P1 3D-F	NA	Soil	Primary	7782-49-2	Selenium	10.6			ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_11-30-99A	1130SEHB	11/19/1999	11/30/1999	14:25	
Pre-Grazing	SOT99-19	S9901645	P1 4D-F	NA	Soil	Primary	7782-49-2	Selenium	14.4			ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_11-30-99A	1130SEHB	11/19/1999	11/30/1999	14:27	
Pre-Grazing	SOT99-19	S9901646	P1 5D-F	NA	Soil	Primary	7782-49-2	Selenium	10.4			ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_11-30-99A	1130SEHB	11/19/1999	11/30/1999	14:30	
Pre-Grazing	SOT99-19	S9901647	P2 1D-F	NA	Soil	Primary	7782-49-2	Selenium	128			ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_11-30-99A	1130SEHB	11/19/1999	11/30/1999	14:33	
Pre-Grazing	SOT99-19	S9901647D	P2 1D-F	NA	Soil	FD	7782-49-2	Selenium	134			ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_11-30-99A	1130SEHB	11/19/1999	11/30/1999	14:36	
Pre-Grazing	SOT99-19	S9901649	P2 3D-F	NA	Soil	Primary	7782-49-2	Selenium	96			ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_11-30-99A	1130SEHB	11/19/1999	11/30/1999	14:42	
Pre-Grazing	SOT99-19	S9901650	P2 4D-F	NA	Soil	Primary	7782-49-2	Selenium	89.8			ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_11-30-99A	1130SEHB	11/19/1999	11/30/1999	14:45	
Pre-Grazing	SOT99-19	S9901652	P3 1D-F	NA	Soil	Primary	7782-49-2	Selenium	80.9			ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_11-30-99A	1130SEHB	11/19/1999	11/30/1999	14:50	
Pre-Grazing	SOT99-19	S9901653	P3 2D-F	NA	Soil	Primary	7782-49-2	Selenium	50.9			ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_11-30-99A	1130SEHB	11/19/1999	11/30/1999	14:53	
Pre-Grazing	SOT99-19	S9901655	P3 4D-F	NA	Soil	Primary	7782-49-2	Selenium	64.6			ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_11-30-99A	1130SEHB	11/19/1999	11/30/1999	14:59	
Pre-Grazing	SOT99-19	S9901656	P3 5D-F	NA	Soil	Primary	7782-49-2	Selenium	71.7			ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_11-30-99A	1130SEHB	11/19/1999	11/30/1999	15:02	
Pre-Grazing	SOT99-19	S9901656D	P3 5D-F	NA	Soil	FD	7782-49-2	Selenium	64.4			ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_11-30-99A	1130SEHB	11/19/1999	11/30/1999	15:05	
Pre-Grazing	SOT99-19	S9901656CS	Check Standard	NA	Lab QC	CCV	7782-49-2	Selenium	1.69			ug/g	Wet Wt	1	1.57	108	NA	ICP, Hydride	VGICP_11-30-99A	1130SEHB	11/19/1999	11/30/1999	15:09	
Pre-Grazing	SOT99-19	S9901648	P2 2D-F	NA	Soil	Primary	7782-49-2	Selenium	233			ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_11-30-99A	1130SEHB	11/19/1999	11/30/1999	15:16	
Pre-Grazing	SOT99-19	S9901651	P2 5D-F	NA	Soil	Primary	7782-49-2	Selenium	166			ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_11-30-99A	1130SEHB	11/19/1999	11/30/1999	15:19	
Pre-Grazing	SOT99-19	S9901654	P3 3D-F	NA	Soil	Primary	7782-49-2	Selenium	156			ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_11-30-99A	1130SEHB	11/19/1999	11/30/1999	15:22	
Grazing	EOT99-08	E9901455SR	House Ref. Alfalfa	NA	Plant Tissue	HRA	7439-98-7	Molybdenum	0.665	1.100	EDL	ug/g	Wet Wt	1	1.23	54	NA	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:27	
Grazing	EOT99-08	E9901455SR	House Ref. Alfalfa	NA	Plant Tissue	HRA	7440-66-6	Zinc	19.07	0.330	EDL	ug/g	Wet Wt	1	20.8	92	NA	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:27	
Grazing	EOT99-08	E9901455SR	House Ref. Alfalfa	NA	Plant Tissue	HRA	7440-02-0	Nickel	1.053	0.250	EDL	ug/g	Wet Wt	1	1.19	88	NA	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:27	
Grazing	EOT99-08	E9901455SR	House Ref. Alfalfa	NA	Plant Tissue	HRA	8075-39-6	Manganese	30.75	0.070	EDL	ug/g	Wet Wt	1	30.4	101	NA	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:27	
Grazing	EOT99-08	E9901455SR	House Ref. Alfalfa	NA	Plant Tissue	HRA	7439-89-6	Iron	290.8	0.220	EDL	ug/g	Wet Wt	1	317	92	NA	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:27	
Grazing	EOT99-08	E9901455SR	House Ref. Alfalfa	NA	Plant Tissue	HRA	7440-47-3	Chromium	0.4578	0.500	EDL	ug/g	Wet Wt	1	1.05	44	NA	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:27	
Grazing	EOT99-08	E9901455SR	House Ref. Alfalfa	NA	Plant Tissue	HRA	7429-90-5	Aluminum	334.7	2.500	EDL	ug/g	Wet Wt	1	401	83	NA	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:27	
Grazing	EOT99-08	E9901455SR	House Ref. Alfalfa	NA	Plant Tissue	HRA	7440-62-2	Vanadium	0.3934	0.520	EDL	ug/g	Wet Wt	1	1.12	35	NA	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:27	
Grazing	EOT99-08	E9901455SR	House Ref. Alfalfa	NA	Plant Tissue	HRA	7440-50-8	Copper	7.411	0.520	EDL	ug/g	Wet Wt	1	8.01	93	NA	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:27	
Grazing	EOT99-08	E9901455	GL-1	NA	Plant	Primary	7439-98-7	Molybdenum	2.133	1.100	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:31	
Grazing	EOT99-08	E9901455	GL-1	NA	Plant	Primary	7440-66-6	Zinc	26.58	0.330	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:31	
Grazing	EOT99-08	E9901455	GL-1	NA	Plant	Primary	7440-43-9	Cadmium	0.1369	0.140	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:31	
Grazing	EOT99-08	E9901455	GL-1	NA	Plant	Primary	7439-92-1	Lead	0.1005	2.700	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:31	
Grazing	EOT99-08	E9901455	GL-1	NA	Plant	Primary	7440-48-4	Cobalt	0.1428	0.570	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:31	
Grazing	EOT99-08	E9901455	GL-1	NA	Plant	Primary	7440-02-0	Nickel	0.1826	0.250	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:31	
Grazing	EOT99-08	E9901455	GL-1	NA	Plant	Primary	8075-39-6	Manganese	91.04	0.070	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:31	
Grazing	EOT99-08	E9901455	GL-1	NA	Plant	Primary	7439-89-6	Iron	78.36	0.220	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:31	
Grazing	EOT99-08	E9901455	GL-1	NA	Plant	Primary	7440-47-3	Chromium	-0.0146	0.500	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:31	
Grazing	EOT99-08	E9901455	GL-1	NA	Plant	Primary	7429-90-5	Aluminum	63.43	2.500	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:31	
Grazing	EOT99-08	E9901455	GL-1	NA	Plant	Primary	7440-62-2	Vanadium	0.1792	0.520	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:31	

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Grazing	EOT99-08	E9901455	GL-1	NA	Plant	Primary	7440-50-8	Copper	7.119	0.520	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:31	
Grazing	EOT99-08	E9901456	GL-2	NA	Plant	Primary	7439-98-7	Molybdenum	4.248	1.100	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:36	
Grazing	EOT99-08	E9901456	GL-2	NA	Plant	Primary	7440-66-6	Zinc	32.68	0.330	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:36	
Grazing	EOT99-08	E9901456	GL-2	NA	Plant	Primary	7440-43-9	Cadmium	0.1826	0.140	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:36	
Grazing	EOT99-08	E9901456	GL-2	NA	Plant	Primary	7439-92-1	Lead	0.3243	2.700	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:36	
Grazing	EOT99-08	E9901456	GL-2	NA	Plant	Primary	7440-48-4	Cobalt	-0.0049	0.570	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:36	
Grazing	EOT99-08	E9901456	GL-2	NA	Plant	Primary	7440-02-0	Nickel	0.2632	0.250	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:36	
Grazing	EOT99-08	E9901456	GL-2	NA	Plant	Primary	8075-39-6	Manganese	129.6	0.070	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:36	
Grazing	EOT99-08	E9901456	GL-2	NA	Plant	Primary	7439-89-6	Iron	79.97	0.220	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:36	
Grazing	EOT99-08	E9901456	GL-2	NA	Plant	Primary	7440-47-3	Chromium	0.1783	0.500	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:36	
Grazing	EOT99-08	E9901456	GL-2	NA	Plant	Primary	7429-90-5	Aluminum	83.4	2.500	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:36	
Grazing	EOT99-08	E9901456	GL-2	NA	Plant	Primary	7440-62-2	Vanadium	0.3214	0.520	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:36	
Grazing	EOT99-08	E9901456	GL-2	NA	Plant	Primary	7440-50-8	Copper	6.712	0.520	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:36	
Grazing	EOT99-08	E9901457	GL-3	NA	Plant	Primary	7439-98-7	Molybdenum	6.414	1.100	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:41	
Grazing	EOT99-08	E9901457	GL-3	NA	Plant	Primary	7440-66-6	Zinc	22.06	0.330	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:41	
Grazing	EOT99-08	E9901457	GL-3	NA	Plant	Primary	7440-43-9	Cadmium	0.2844	0.140	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:41	
Grazing	EOT99-08	E9901457	GL-3	NA	Plant	Primary	7439-92-1	Lead	1.443	2.700	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:41	
Grazing	EOT99-08	E9901457	GL-3	NA	Plant	Primary	7440-48-4	Cobalt	0.0852	0.570	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:41	
Grazing	EOT99-08	E9901457	GL-3	NA	Plant	Primary	7440-02-0	Nickel	1.061	0.250	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:41	
Grazing	EOT99-08	E9901457	GL-3	NA	Plant	Primary	8075-39-6	Manganese	73.53	0.070	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:41	
Grazing	EOT99-08	E9901457	GL-3	NA	Plant	Primary	7439-89-6	Iron	63.62	0.220	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:41	
Grazing	EOT99-08	E9901457	GL-3	NA	Plant	Primary	7440-47-3	Chromium	0.0034	0.500	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:41	
Grazing	EOT99-08	E9901457	GL-3	NA	Plant	Primary	7429-90-5	Aluminum	63.93	2.500	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:41	
Grazing	EOT99-08	E9901457	GL-3	NA	Plant	Primary	7440-62-2	Vanadium	0.3932	0.520	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:41	
Grazing	EOT99-08	E9901457	GL-3	NA	Plant	Primary	7440-50-8	Copper	6.287	0.520	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:41	
Grazing	EOT99-08	E9901458	GL-4	NA	Plant	Primary	7439-98-7	Molybdenum	1.853	1.100	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:45	
Grazing	EOT99-08	E9901458	GL-4	NA	Plant	Primary	7440-66-6	Zinc	47.46	0.330	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:45	
Grazing	EOT99-08	E9901458	GL-4	NA	Plant	Primary	7440-43-9	Cadmium	0.2216	0.140	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:45	
Grazing	EOT99-08	E9901458	GL-4	NA	Plant	Primary	7439-92-1	Lead	-1.719	2.700	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:45	
Grazing	EOT99-08	E9901458	GL-4	NA	Plant	Primary	7440-48-4	Cobalt	0.1373	0.570	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:45	
Grazing	EOT99-08	E9901458	GL-4	NA	Plant	Primary	7440-02-0	Nickel	0.1854	0.250	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:45	
Grazing	EOT99-08	E9901458	GL-4	NA	Plant	Primary	8075-39-6	Manganese	124.8	0.070	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:45	
Grazing	EOT99-08	E9901458	GL-4	NA	Plant	Primary	7439-89-6	Iron	73.01	0.220	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:45	
Grazing	EOT99-08	E9901458	GL-4	NA	Plant	Primary	7440-47-3	Chromium	-0.0524	0.500	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:45	
Grazing	EOT99-08	E9901458	GL-4	NA	Plant	Primary	7429-90-5	Aluminum	48.25	2.500	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:45	
Grazing	EOT99-08	E9901458	GL-4	NA	Plant	Primary	7440-62-2	Vanadium	0.3048	0.520	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:45	
Grazing	EOT99-08	E9901458	GL-4	NA	Plant	Primary	7440-50-8	Copper	9.154	0.520	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:45	
Grazing	EOT99-08	E9901459	GL-5	NA	Plant	Primary	7439-98-7	Molybdenum	5.721	1.100	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:50	
Grazing	EOT99-08	E9901459	GL-5	NA	Plant	Primary	7440-66-6	Zinc	33.3	0.330	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:50	
Grazing	EOT99-08	E9901459	GL-5	NA	Plant	Primary	7440-43-9	Cadmium	0.202	0.140	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:50	
Grazing	EOT99-08	E9901459	GL-5	NA	Plant	Primary	7439-92-1	Lead	1.629	2.700	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:50	
Grazing	EOT99-08	E9901459	GL-5	NA	Plant	Primary	7440-48-4	Cobalt	0.2563	0.570	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:50	
Grazing	EOT99-08	E9901459	GL-5	NA	Plant	Primary	7440-02-0	Nickel	0.566	0.250	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:50	
Grazing	EOT99-08	E9901459	GL-5	NA	Plant	Primary	8075-39-6	Manganese	120.3	0.070	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:50	
Grazing	EOT99-08	E9901459	GL-5	NA	Plant	Primary	7439-89-6	Iron	294.2	0.220	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:50	
Grazing	EOT99-08	E9901459	GL-5	NA	Plant	Primary	7440-47-3	Chromium	0.3407	0.500	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:50	
Grazing	EOT99-08	E9901459	GL-5	NA	Plant	Primary	7429-90-5	Aluminum	338.3	2.500	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:50	
Grazing	EOT99-08	E9901459	GL-5	NA	Plant	Primary	7440-62-2	Vanadium	0.9582	0.520	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:50	
Grazing	EOT99-08	E9901459	GL-5	NA	Plant	Primary	7440-50-8	Copper	8.089	0.520	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:50	
Grazing	EOT99-08	E9901460	P1-1D-G	NA	Grass Mix	Primary	7439-98-7	Molybdenum	30.91	1.100	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:54	
Grazing	EOT99-08	E9901460	P1-1D-G	NA	Grass Mix	Primary	7440-66-6	Zinc	38.47	0.330	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:54	
Grazing	EOT99-08	E9901460	P1-1D-G	NA	Grass Mix	Primary	7440-43-9	Cadmium	0.8546	0.140	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:54	
Grazing	EOT99-08	E9901460	P1-1D-G	NA	Grass Mix	Primary	7439-92-1	Lead	0.7689	2.700	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:54	
Grazing	EOT99-08	E9901460	P1-1D-G	NA	Grass Mix	Primary	7440-48-4	Cobalt	0.0214	0.570	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:54	
Grazing	EOT99-08	E9901460	P1-1D-G	NA	Grass Mix	Primary	7440-02-0	Nickel	0.8178	0.250	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:54	
Grazing	EOT99-08	E9901460	P1-1D-G	NA	Grass Mix	Primary	8075-39-6	Manganese	26.14	0.070	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:54	
Grazing	EOT99-08	E9901460	P1-1D-G	NA	Grass Mix	Primary	7439-89-6	Iron	41.21	0.220	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:54	
Grazing	EOT99-08	E9901460	P1-1D-G	NA	Grass Mix	Primary	7440-47-3	Chromium	0.492	0.500	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:54	

ATTACHMENT A
MWH EDD - 1999 - 2000 CATTLE TISSUE AND BLOOD DATA
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Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Grazing	EOT99-08	E9901460	P1-1D-G	NA	Grass Mix	Primary	7429-90-5	Aluminum	40.49	2.500	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:54	
Grazing	EOT99-08	E9901460	P1-1D-G	NA	Grass Mix	Primary	7440-62-2	Vanadium	0.653	0.520	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:54	
Grazing	EOT99-08	E9901460	P1-1D-G	NA	Grass Mix	Primary	7440-50-8	Copper	5.426	0.520	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:54	
Grazing	EOT99-08	E9901460D	P1-1D-G	NA	Grass Mix	FD	7439-98-7	Molybdenum	31.05	1.100	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:59	
Grazing	EOT99-08	E9901460D	P1-1D-G	NA	Grass Mix	FD	7440-66-6	Zinc	41.29	0.330	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:59	
Grazing	EOT99-08	E9901460D	P1-1D-G	NA	Grass Mix	FD	7440-43-9	Cadmium	0.8126	0.140	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:59	
Grazing	EOT99-08	E9901460D	P1-1D-G	NA	Grass Mix	FD	7439-92-1	Lead	0.9865	2.700	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:59	
Grazing	EOT99-08	E9901460D	P1-1D-G	NA	Grass Mix	FD	7440-48-4	Cobalt	-0.1125	0.570	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:59	
Grazing	EOT99-08	E9901460D	P1-1D-G	NA	Grass Mix	FD	7440-02-0	Nickel	0.8167	0.250	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:59	
Grazing	EOT99-08	E9901460D	P1-1D-G	NA	Grass Mix	FD	8075-39-6	Manganese	23.61	0.070	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:59	
Grazing	EOT99-08	E9901460D	P1-1D-G	NA	Grass Mix	FD	7439-89-6	Iron	41.19	0.220	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:59	
Grazing	EOT99-08	E9901460D	P1-1D-G	NA	Grass Mix	FD	7440-47-3	Chromium	0.2532	0.500	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:59	
Grazing	EOT99-08	E9901460D	P1-1D-G	NA	Grass Mix	FD	7429-90-5	Aluminum	38.09	2.500	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:59	
Grazing	EOT99-08	E9901460D	P1-1D-G	NA	Grass Mix	FD	7440-62-2	Vanadium	0.8939	0.520	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:59	
Grazing	EOT99-08	E9901460D	P1-1D-G	NA	Grass Mix	FD	7440-50-8	Copper	7.915	0.520	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	12:59	
Grazing	EOT99-08	E9901461	P1-1D-A	NA	Alfalfa	Primary	7439-98-7	Molybdenum	7.113	1.100	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:09	
Grazing	EOT99-08	E9901461	P1-1D-A	NA	Alfalfa	Primary	7440-66-6	Zinc	34.06	0.330	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:09	
Grazing	EOT99-08	E9901461	P1-1D-A	NA	Alfalfa	Primary	7440-43-9	Cadmium	1.83	0.140	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:09	
Grazing	EOT99-08	E9901461	P1-1D-A	NA	Alfalfa	Primary	7439-92-1	Lead	0.6363	2.700	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:09	
Grazing	EOT99-08	E9901461	P1-1D-A	NA	Alfalfa	Primary	7440-48-4	Cobalt	0.0508	0.570	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:09	
Grazing	EOT99-08	E9901461	P1-1D-A	NA	Alfalfa	Primary	7440-02-0	Nickel	3.215	0.250	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:09	
Grazing	EOT99-08	E9901461	P1-1D-A	NA	Alfalfa	Primary	8075-39-6	Manganese	11.29	0.070	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:09	
Grazing	EOT99-08	E9901461	P1-1D-A	NA	Alfalfa	Primary	7439-89-6	Iron	64.23	0.220	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:09	
Grazing	EOT99-08	E9901461	P1-1D-A	NA	Alfalfa	Primary	7440-47-3	Chromium	-0.0758	0.500	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:09	
Grazing	EOT99-08	E9901461	P1-1D-A	NA	Alfalfa	Primary	7429-90-5	Aluminum	27.26	2.500	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:09	
Grazing	EOT99-08	E9901461	P1-1D-A	NA	Alfalfa	Primary	7440-62-2	Vanadium	0.3513	0.520	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:09	
Grazing	EOT99-08	E9901461	P1-1D-A	NA	Alfalfa	Primary	7440-50-8	Copper	6.408	0.520	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:09	
Grazing	EOT99-08	E9901462	P1-2D-G	NA	Grass Mix	Primary	7439-98-7	Molybdenum	57.89	1.100	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:13	
Grazing	EOT99-08	E9901462	P1-2D-G	NA	Grass Mix	Primary	7440-66-6	Zinc	38.46	0.330	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:13	
Grazing	EOT99-08	E9901462	P1-2D-G	NA	Grass Mix	Primary	7440-43-9	Cadmium	0.9902	0.140	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:13	
Grazing	EOT99-08	E9901462	P1-2D-G	NA	Grass Mix	Primary	7439-92-1	Lead	0.7442	2.700	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:13	
Grazing	EOT99-08	E9901462	P1-2D-G	NA	Grass Mix	Primary	7440-48-4	Cobalt	-0.1423	0.570	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:13	
Grazing	EOT99-08	E9901462	P1-2D-G	NA	Grass Mix	Primary	7440-02-0	Nickel	1.114	0.250	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:13	
Grazing	EOT99-08	E9901462	P1-2D-G	NA	Grass Mix	Primary	8075-39-6	Manganese	28.89	0.070	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:13	
Grazing	EOT99-08	E9901462	P1-2D-G	NA	Grass Mix	Primary	7439-89-6	Iron	50.55	0.220	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:13	
Grazing	EOT99-08	E9901462	P1-2D-G	NA	Grass Mix	Primary	7440-47-3	Chromium	0.8395	0.500	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:13	
Grazing	EOT99-08	E9901462	P1-2D-G	NA	Grass Mix	Primary	7429-90-5	Aluminum	44.79	2.500	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:13	
Grazing	EOT99-08	E9901462	P1-2D-G	NA	Grass Mix	Primary	7440-62-2	Vanadium	1.169	0.520	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:13	
Grazing	EOT99-08	E9901462	P1-2D-G	NA	Grass Mix	Primary	7440-50-8	Copper	4.838	0.520	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:13	
Grazing	EOT99-08	E9901463	P1-2D-A	NA	Alfalfa	Primary	7439-98-7	Molybdenum	5.862	1.100	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:18	
Grazing	EOT99-08	E9901463	P1-2D-A	NA	Alfalfa	Primary	7440-66-6	Zinc	36.18	0.330	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:18	
Grazing	EOT99-08	E9901463	P1-2D-A	NA	Alfalfa	Primary	7440-43-9	Cadmium	2.46	0.140	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:18	
Grazing	EOT99-08	E9901463	P1-2D-A	NA	Alfalfa	Primary	7439-92-1	Lead	-1.835	2.700	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:18	
Grazing	EOT99-08	E9901463	P1-2D-A	NA	Alfalfa	Primary	7440-48-4	Cobalt	-0.0472	0.570	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:18	
Grazing	EOT99-08	E9901463	P1-2D-A	NA	Alfalfa	Primary	7440-02-0	Nickel	4.123	0.250	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:18	
Grazing	EOT99-08	E9901463	P1-2D-A	NA	Alfalfa	Primary	8075-39-6	Manganese	14.1	0.070	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:18	
Grazing	EOT99-08	E9901463	P1-2D-A	NA	Alfalfa	Primary	7439-89-6	Iron	38.51	0.220	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:18	
Grazing	EOT99-08	E9901463	P1-2D-A	NA	Alfalfa	Primary	7440-47-3	Chromium	0.2626	0.500	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:18	
Grazing	EOT99-08	E9901463	P1-2D-A	NA	Alfalfa	Primary	7429-90-5	Aluminum	38.86	2.500	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:18	
Grazing	EOT99-08	E9901463	P1-2D-A	NA	Alfalfa	Primary	7440-62-2	Vanadium	0.7379	0.520	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:18	
Grazing	EOT99-08	E9901463	P1-2D-A	NA	Alfalfa	Primary	7440-50-8	Copper	4.914	0.520	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:18	
Grazing	EOT99-08	E9901464	P1-3D-G	NA	Grass Mix	Primary	7439-98-7	Molybdenum	11.43	1.100	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:22	
Grazing	EOT99-08	E9901464	P1-3D-G	NA	Grass Mix	Primary	7440-66-6	Zinc	40.16	0.330	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:22	
Grazing	EOT99-08	E9901464	P1-3D-G	NA	Grass Mix	Primary	7440-43-9	Cadmium	0.4757	0.140	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:22	
Grazing	EOT99-08	E9901464	P1-3D-G	NA	Grass Mix	Primary	7439-92-1	Lead	-1.193	2.700	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:22	
Grazing	EOT99-08	E9901464	P1-3D-G	NA	Grass Mix	Primary	7440-48-4	Cobalt	-0.1399	0.570	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:22	
Grazing	EOT99-08	E9901464	P1-3D-G	NA	Grass Mix	Primary	7440-02-0	Nickel	1.044	0.250	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:22	
Grazing	EOT99-08	E9901464	P1-3D-G	NA	Grass Mix	Primary	8075-39-6	Manganese	37.63	0.070	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:22	

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MWH EDD - 1999 - 2000 CATTLE TISSUE AND BLOOD DATA
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Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Grazing	EOT99-08	E9901464	P1-3D-G	NA	Grass Mix	Primary	7439-89-6	Iron	35.57	0.220	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:22	
Grazing	EOT99-08	E9901464	P1-3D-G	NA	Grass Mix	Primary	7440-47-3	Chromium	0.1318	0.500	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:22	
Grazing	EOT99-08	E9901464	P1-3D-G	NA	Grass Mix	Primary	7429-90-5	Aluminum	37.03	2.500	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:22	
Grazing	EOT99-08	E9901464	P1-3D-G	NA	Grass Mix	Primary	7440-62-2	Vanadium	0.9498	0.520	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:22	
Grazing	EOT99-08	E9901464	P1-3D-G	NA	Grass Mix	Primary	7440-50-8	Copper	6.334	0.520	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:22	
Grazing	EOT99-08	E9901465	P1-3D-A	NA	Alfalfa	Primary	7439-98-7	Molybdenum	6.237	1.100	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:27	
Grazing	EOT99-08	E9901465	P1-3D-A	NA	Alfalfa	Primary	7440-66-6	Zinc	49.71	0.330	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:27	
Grazing	EOT99-08	E9901465	P1-3D-A	NA	Alfalfa	Primary	7440-43-9	Cadmium	1.872	0.140	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:27	
Grazing	EOT99-08	E9901465	P1-3D-A	NA	Alfalfa	Primary	7439-92-1	Lead	-0.7571	2.700	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:27	
Grazing	EOT99-08	E9901465	P1-3D-A	NA	Alfalfa	Primary	7440-48-4	Cobalt	-0.2165	0.570	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:27	
Grazing	EOT99-08	E9901465	P1-3D-A	NA	Alfalfa	Primary	7440-02-0	Nickel	5.257	0.250	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:27	
Grazing	EOT99-08	E9901465	P1-3D-A	NA	Alfalfa	Primary	8075-39-6	Manganese	12.73	0.070	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:27	
Grazing	EOT99-08	E9901465	P1-3D-A	NA	Alfalfa	Primary	7439-89-6	Iron	39.07	0.220	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:27	
Grazing	EOT99-08	E9901465	P1-3D-A	NA	Alfalfa	Primary	7440-47-3	Chromium	-0.0408	0.500	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:27	
Grazing	EOT99-08	E9901465	P1-3D-A	NA	Alfalfa	Primary	7429-90-5	Aluminum	26.29	2.500	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:27	
Grazing	EOT99-08	E9901465	P1-3D-A	NA	Alfalfa	Primary	7440-62-2	Vanadium	0.8039	0.520	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:27	
Grazing	EOT99-08	E9901465	P1-3D-A	NA	Alfalfa	Primary	7440-50-8	Copper	6.577	0.520	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:27	
Grazing	EOT99-08	E9901466	P1-4D-G	NA	Grass Mix	Primary	7439-98-7	Molybdenum	36.88	1.100	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:32	
Grazing	EOT99-08	E9901466	P1-4D-G	NA	Grass Mix	Primary	7440-66-6	Zinc	29.74	0.330	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:32	
Grazing	EOT99-08	E9901466	P1-4D-G	NA	Grass Mix	Primary	7440-43-9	Cadmium	0.3885	0.140	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:32	
Grazing	EOT99-08	E9901466	P1-4D-G	NA	Grass Mix	Primary	7439-92-1	Lead	-1.611	2.700	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:32	
Grazing	EOT99-08	E9901466	P1-4D-G	NA	Grass Mix	Primary	7440-48-4	Cobalt	-0.0601	0.570	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:32	
Grazing	EOT99-08	E9901466	P1-4D-G	NA	Grass Mix	Primary	7440-02-0	Nickel	0.8672	0.250	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:32	
Grazing	EOT99-08	E9901466	P1-4D-G	NA	Grass Mix	Primary	8075-39-6	Manganese	16.93	0.070	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:32	
Grazing	EOT99-08	E9901466	P1-4D-G	NA	Grass Mix	Primary	7439-89-6	Iron	59.81	0.220	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:32	
Grazing	EOT99-08	E9901466	P1-4D-G	NA	Grass Mix	Primary	7440-47-3	Chromium	0.9599	0.500	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:32	
Grazing	EOT99-08	E9901466	P1-4D-G	NA	Grass Mix	Primary	7429-90-5	Aluminum	46.92	2.500	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:32	
Grazing	EOT99-08	E9901466	P1-4D-G	NA	Grass Mix	Primary	7440-62-2	Vanadium	1.206	0.520	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:32	
Grazing	EOT99-08	E9901466	P1-4D-G	NA	Grass Mix	Primary	7440-50-8	Copper	4.706	0.520	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:32	
Grazing	EOT99-08	E9901467	P1-4D-A	NA	Alfalfa	Primary	7439-98-7	Molybdenum	9.271	1.100	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:36	
Grazing	EOT99-08	E9901467	P1-4D-A	NA	Alfalfa	Primary	7440-66-6	Zinc	41.27	0.330	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:36	
Grazing	EOT99-08	E9901467	P1-4D-A	NA	Alfalfa	Primary	7440-43-9	Cadmium	1.772	0.140	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:36	
Grazing	EOT99-08	E9901467	P1-4D-A	NA	Alfalfa	Primary	7439-92-1	Lead	-1.935	2.700	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:36	
Grazing	EOT99-08	E9901467	P1-4D-A	NA	Alfalfa	Primary	7440-48-4	Cobalt	-0.0189	0.570	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:36	
Grazing	EOT99-08	E9901467	P1-4D-A	NA	Alfalfa	Primary	7440-02-0	Nickel	5.647	0.250	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:36	
Grazing	EOT99-08	E9901467	P1-4D-A	NA	Alfalfa	Primary	8075-39-6	Manganese	14.36	0.070	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:36	
Grazing	EOT99-08	E9901467	P1-4D-A	NA	Alfalfa	Primary	7439-89-6	Iron	41.45	0.220	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:36	
Grazing	EOT99-08	E9901467	P1-4D-A	NA	Alfalfa	Primary	7440-47-3	Chromium	0.0282	0.500	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:36	
Grazing	EOT99-08	E9901467	P1-4D-A	NA	Alfalfa	Primary	7429-90-5	Aluminum	30.01	2.500	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:36	
Grazing	EOT99-08	E9901467	P1-4D-A	NA	Alfalfa	Primary	7440-62-2	Vanadium	0.7161	0.520	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:36	
Grazing	EOT99-08	E9901467	P1-4D-A	NA	Alfalfa	Primary	7440-50-8	Copper	4.757	0.520	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:36	
Grazing	EOT99-08	E9901468	P1-5D-G	NA	Grass Mix	Primary	7439-98-7	Molybdenum	19.19	1.100	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:41	
Grazing	EOT99-08	E9901468	P1-5D-G	NA	Grass Mix	Primary	7440-66-6	Zinc	52.15	0.330	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:41	
Grazing	EOT99-08	E9901468	P1-5D-G	NA	Grass Mix	Primary	7440-43-9	Cadmium	2.084	0.140	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:41	
Grazing	EOT99-08	E9901468	P1-5D-G	NA	Grass Mix	Primary	7439-92-1	Lead	-0.9686	2.700	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:41	
Grazing	EOT99-08	E9901468	P1-5D-G	NA	Grass Mix	Primary	7440-48-4	Cobalt	-0.133	0.570	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:41	
Grazing	EOT99-08	E9901468	P1-5D-G	NA	Grass Mix	Primary	7440-02-0	Nickel	1.61	0.250	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:41	
Grazing	EOT99-08	E9901468	P1-5D-G	NA	Grass Mix	Primary	8075-39-6	Manganese	51.27	0.070	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:41	
Grazing	EOT99-08	E9901468	P1-5D-G	NA	Grass Mix	Primary	7439-89-6	Iron	85.71	0.220	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:41	
Grazing	EOT99-08	E9901468	P1-5D-G	NA	Grass Mix	Primary	7440-47-3	Chromium	1.438	0.500	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:41	
Grazing	EOT99-08	E9901468	P1-5D-G	NA	Grass Mix	Primary	7429-90-5	Aluminum	66.34	2.500	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:41	
Grazing	EOT99-08	E9901468	P1-5D-G	NA	Grass Mix	Primary	7440-62-2	Vanadium	1.327	0.520	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:41	
Grazing	EOT99-08	E9901468	P1-5D-G	NA	Grass Mix	Primary	7440-50-8	Copper	6.694	0.520	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:41	
Grazing	EOT99-08	E9901469	P1-5D-A	NA	Alfalfa	Primary	7439-98-7	Molybdenum	13.9	1.100	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:45	
Grazing	EOT99-08	E9901469	P1-5D-A	NA	Alfalfa	Primary	7440-66-6	Zinc	47.82	0.330	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:45	
Grazing	EOT99-08	E9901469	P1-5D-A	NA	Alfalfa	Primary	7440-43-9	Cadmium	2.152	0.140	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:45	
Grazing	EOT99-08	E9901469	P1-5D-A	NA	Alfalfa	Primary	7439-92-1	Lead	-1.329	2.700	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:45	
Grazing	EOT99-08	E9901469	P1-5D-A	NA	Alfalfa	Primary	7440-48-4	Cobalt	-0.0508	0.570	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:45	

ATTACHMENT A
MWH EDD - 1999 - 2000 CATTLE TISSUE AND BLOOD DATA
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Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Grazing	EOT99-08	E9901469	P1-5D-A	NA	Alfalfa	Primary	7440-02-0	Nickel	9.965	0.250	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:45	
Grazing	EOT99-08	E9901469	P1-5D-A	NA	Alfalfa	Primary	8075-39-6	Manganese	35.54	0.070	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:45	
Grazing	EOT99-08	E9901469	P1-5D-A	NA	Alfalfa	Primary	7439-89-6	Iron	48.32	0.220	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:45	
Grazing	EOT99-08	E9901469	P1-5D-A	NA	Alfalfa	Primary	7440-47-3	Chromium	0.3587	0.500	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:45	
Grazing	EOT99-08	E9901469	P1-5D-A	NA	Alfalfa	Primary	7429-90-5	Aluminum	53.07	2.500	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:45	
Grazing	EOT99-08	E9901469	P1-5D-A	NA	Alfalfa	Primary	7440-62-2	Vanadium	0.7907	0.520	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:45	
Grazing	EOT99-08	E9901469	P1-5D-A	NA	Alfalfa	Primary	7440-50-8	Copper	6.238	0.520	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:45	
Grazing	EOT99-08	E9901470	P2-1D-G	NA	Grass Mix	Primary	7439-98-7	Molybdenum	8.135	1.100	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:50	
Grazing	EOT99-08	E9901470	P2-1D-G	NA	Grass Mix	Primary	7440-66-6	Zinc	87.46	0.330	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:50	
Grazing	EOT99-08	E9901470	P2-1D-G	NA	Grass Mix	Primary	7440-43-9	Cadmium	0.614	0.140	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:50	
Grazing	EOT99-08	E9901470	P2-1D-G	NA	Grass Mix	Primary	7439-92-1	Lead	-0.9473	2.700	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:50	
Grazing	EOT99-08	E9901470	P2-1D-G	NA	Grass Mix	Primary	7440-48-4	Cobalt	-0.0655	0.570	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:50	
Grazing	EOT99-08	E9901470	P2-1D-G	NA	Grass Mix	Primary	7440-02-0	Nickel	1.289	0.250	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:50	
Grazing	EOT99-08	E9901470	P2-1D-G	NA	Grass Mix	Primary	8075-39-6	Manganese	42.4	0.070	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:50	
Grazing	EOT99-08	E9901470	P2-1D-G	NA	Grass Mix	Primary	7439-89-6	Iron	38.58	0.220	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:50	
Grazing	EOT99-08	E9901470	P2-1D-G	NA	Grass Mix	Primary	7440-47-3	Chromium	0.4936	0.500	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:50	
Grazing	EOT99-08	E9901470	P2-1D-G	NA	Grass Mix	Primary	7429-90-5	Aluminum	31.94	2.500	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:50	
Grazing	EOT99-08	E9901470	P2-1D-G	NA	Grass Mix	Primary	7440-62-2	Vanadium	1.064	0.520	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:50	
Grazing	EOT99-08	E9901470	P2-1D-G	NA	Grass Mix	Primary	7440-50-8	Copper	5.453	0.520	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:50	
Grazing	EOT99-08	E9901470D	P2-1D-G	NA	Grass Mix	FD	7439-98-7	Molybdenum	6.431	1.100	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:54	
Grazing	EOT99-08	E9901470D	P2-1D-G	NA	Grass Mix	FD	7440-66-6	Zinc	110.5	0.330	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:54	
Grazing	EOT99-08	E9901470D	P2-1D-G	NA	Grass Mix	FD	7440-43-9	Cadmium	0.537	0.140	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:54	
Grazing	EOT99-08	E9901470D	P2-1D-G	NA	Grass Mix	FD	7439-92-1	Lead	-0.0156	2.700	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:54	
Grazing	EOT99-08	E9901470D	P2-1D-G	NA	Grass Mix	FD	7440-48-4	Cobalt	0.1527	0.570	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:54	
Grazing	EOT99-08	E9901470D	P2-1D-G	NA	Grass Mix	FD	7440-02-0	Nickel	1.767	0.250	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:54	
Grazing	EOT99-08	E9901470D	P2-1D-G	NA	Grass Mix	FD	8075-39-6	Manganese	37.02	0.070	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:54	
Grazing	EOT99-08	E9901470D	P2-1D-G	NA	Grass Mix	FD	7439-89-6	Iron	32.39	0.220	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:54	
Grazing	EOT99-08	E9901470D	P2-1D-G	NA	Grass Mix	FD	7440-47-3	Chromium	0.2059	0.500	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:54	
Grazing	EOT99-08	E9901470D	P2-1D-G	NA	Grass Mix	FD	7429-90-5	Aluminum	24.41	2.500	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:54	
Grazing	EOT99-08	E9901470D	P2-1D-G	NA	Grass Mix	FD	7440-62-2	Vanadium	0.66	0.520	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:54	
Grazing	EOT99-08	E9901470D	P2-1D-G	NA	Grass Mix	FD	7440-50-8	Copper	5.731	0.520	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:54	
Grazing	EOT99-08	HRL-2	House Ref. Liver	NA	Animal Tissue	HRL	7439-98-7	Molybdenum	2.565	1.100	EDL	ug/g	Wet Wt	1	3.18	81	NA	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:59	
Grazing	EOT99-08	HRL-2	House Ref. Liver	NA	Animal Tissue	HRL	7440-66-6	Zinc	120.8	0.330	EDL	ug/g	Wet Wt	1	119	102	NA	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:59	
Grazing	EOT99-08	HRL-2	House Ref. Liver	NA	Animal Tissue	HRL	7440-43-9	Cadmium	51.52	0.140	EDL	ug/g	Wet Wt	1	54.4	95	NA	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:59	
Grazing	EOT99-08	HRL-2	House Ref. Liver	NA	Animal Tissue	HRL	7439-92-1	Lead	43.92	2.700	EDL	ug/g	Wet Wt	1	47.9	92	NA	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:59	
Grazing	EOT99-08	HRL-2	House Ref. Liver	NA	Animal Tissue	HRL	7440-48-4	Cobalt	41.48	0.570	EDL	ug/g	Wet Wt	1	44.1	94	NA	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:59	
Grazing	EOT99-08	HRL-2	House Ref. Liver	NA	Animal Tissue	HRL	8075-39-6	Manganese	10.22	0.070	EDL	ug/g	Wet Wt	1	10.1	101	NA	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:59	
Grazing	EOT99-08	HRL-2	House Ref. Liver	NA	Animal Tissue	HRL	7439-89-6	Iron	187.8	0.220	EDL	ug/g	Wet Wt	1	183	103	NA	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:59	
Grazing	EOT99-08	HRL-2	House Ref. Liver	NA	Animal Tissue	HRL	7440-47-3	Chromium	49.2	0.500	EDL	ug/g	Wet Wt	1	49.2	100	NA	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	13:59	
Grazing	EOT99-08	CS3	Check Standard	NA	Lab QC	CCV	7439-98-7	Molybdenum		1.100	EDL	ug/g	Wet Wt	1		92	NA	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:04	
Grazing	EOT99-08	CS3	Check Standard	NA	Lab QC	CCV	7440-66-6	Zinc		0.330	EDL	ug/g	Wet Wt	1		106	NA	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:04	
Grazing	EOT99-08	CS3	Check Standard	NA	Lab QC	CCV	7440-43-9	Cadmium		0.140	EDL	ug/g	Wet Wt	1		100	NA	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:04	
Grazing	EOT99-08	CS3	Check Standard	NA	Lab QC	CCV	7439-92-1	Lead		2.700	EDL	ug/g	Wet Wt	1		96	NA	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:04	
Grazing	EOT99-08	CS3	Check Standard	NA	Lab QC	CCV	7440-48-4	Cobalt		0.570	EDL	ug/g	Wet Wt	1		95	NA	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:04	
Grazing	EOT99-08	CS3	Check Standard	NA	Lab QC	CCV	7440-02-0	Nickel		0.250	EDL	ug/g	Wet Wt	1		103	NA	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:04	
Grazing	EOT99-08	CS3	Check Standard	NA	Lab QC	CCV	8075-39-6	Manganese		0.070	EDL	ug/g	Wet Wt	1		107	NA	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:04	
Grazing	EOT99-08	CS3	Check Standard	NA	Lab QC	CCV	7439-89-6	Iron		0.220	EDL	ug/g	Wet Wt	1		110	NA	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:04	
Grazing	EOT99-08	CS3	Check Standard	NA	Lab QC	CCV	7440-47-3	Chromium		0.500	EDL	ug/g	Wet Wt	1		96	NA	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:04	
Grazing	EOT99-08	CS3	Check Standard	NA	Lab QC	CCV	7429-90-5	Aluminum		2.500	EDL	ug/g	Wet Wt	1		110	NA	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:04	
Grazing	EOT99-08	CS3	Check Standard	NA	Lab QC	CCV	7440-62-2	Vanadium		0.520	EDL	ug/g	Wet Wt	1		102	NA	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:04	
Grazing	EOT99-08	CS3	Check Standard	NA	Lab QC	CCV	7440-50-8	Copper		0.520	EDL	ug/g	Wet Wt	1		106	NA	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:04	
Grazing	EOT99-08	E9901471	P2-1D-A	NA	Alfalfa	Primary	7439-98-7	Molybdenum	18.9	1.100	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:08	
Grazing	EOT99-08	E9901471	P2-1D-A	NA	Alfalfa	Primary	7440-66-6	Zinc	68.17	0.330	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:08	
Grazing	EOT99-08	E9901471	P2-1D-A	NA	Alfalfa	Primary	7440-43-9	Cadmium	2.793	0.140	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:08	
Grazing	EOT99-08	E9901471	P2-1D-A	NA	Alfalfa	Primary	7439-92-1	Lead	0.2162	2.700	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:08	
Grazing	EOT99-08	E9901471	P2-1D-A	NA	Alfalfa	Primary	7440-48-4	Cobalt	0.1038	0.570	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:08	
Grazing	EOT99-08	E9901471	P2-1D-A	NA	Alfalfa	Primary	7440-02-0	Nickel	12.04	0.250	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:08	
Grazing	EOT99-08	E9901471	P2-1D-A	NA	Alfalfa	Primary	8075-39-6	Manganese	10.41	0.070	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:08	

ATTACHMENT A
MWH EDD - 1999 - 2000 CATTLE TISSUE AND BLOOD DATA
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Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Grazing	EOT99-08	E9901471	P2-1D-A	NA	Alfalfa	Primary	7439-89-6	Iron	37.52	0.220	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:08	
Grazing	EOT99-08	E9901471	P2-1D-A	NA	Alfalfa	Primary	7440-47-3	Chromium	0.1239	0.500	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:08	
Grazing	EOT99-08	E9901471	P2-1D-A	NA	Alfalfa	Primary	7429-90-5	Aluminum	29.59	2.500	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:08	
Grazing	EOT99-08	E9901471	P2-1D-A	NA	Alfalfa	Primary	7440-62-2	Vanadium	0.6023	0.520	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:08	
Grazing	EOT99-08	E9901471	P2-1D-A	NA	Alfalfa	Primary	7440-50-8	Copper	7.382	0.520	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:08	
Grazing	EOT99-08	E9901472	P2-2D-G	NA	Grass Mix	Primary	7439-98-7	Molybdenum	15.64	1.100	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:13	
Grazing	EOT99-08	E9901472	P2-2D-G	NA	Grass Mix	Primary	7440-66-6	Zinc	78.66	0.330	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:13	
Grazing	EOT99-08	E9901472	P2-2D-G	NA	Grass Mix	Primary	7440-43-9	Cadmium	0.5689	0.140	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:13	
Grazing	EOT99-08	E9901472	P2-2D-G	NA	Grass Mix	Primary	7439-92-1	Lead	-0.6989	2.700	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:13	
Grazing	EOT99-08	E9901472	P2-2D-G	NA	Grass Mix	Primary	7440-48-4	Cobalt	0.1194	0.570	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:13	
Grazing	EOT99-08	E9901472	P2-2D-G	NA	Grass Mix	Primary	7440-02-0	Nickel	1.951	0.250	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:13	
Grazing	EOT99-08	E9901472	P2-2D-G	NA	Grass Mix	Primary	8075-39-6	Manganese	27.6	0.070	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:13	
Grazing	EOT99-08	E9901472	P2-2D-G	NA	Grass Mix	Primary	7439-89-6	Iron	39.74	0.220	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:13	
Grazing	EOT99-08	E9901472	P2-2D-G	NA	Grass Mix	Primary	7440-47-3	Chromium	0.1716	0.500	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:13	
Grazing	EOT99-08	E9901472	P2-2D-G	NA	Grass Mix	Primary	7429-90-5	Aluminum	32.94	2.500	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:13	
Grazing	EOT99-08	E9901472	P2-2D-G	NA	Grass Mix	Primary	7440-62-2	Vanadium	0.6855	0.520	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:13	
Grazing	EOT99-08	E9901472	P2-2D-G	NA	Grass Mix	Primary	7440-50-8	Copper	5.319	0.520	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:13	
Grazing	EOT99-08	E9901473	P2-2D-A	NA	Alfalfa	Primary	7439-98-7	Molybdenum	10.07	1.100	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:17	
Grazing	EOT99-08	E9901473	P2-2D-A	NA	Alfalfa	Primary	7440-66-6	Zinc	73.46	0.330	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:17	
Grazing	EOT99-08	E9901473	P2-2D-A	NA	Alfalfa	Primary	7440-43-9	Cadmium	2.01	0.140	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:17	
Grazing	EOT99-08	E9901473	P2-2D-A	NA	Alfalfa	Primary	7439-92-1	Lead	0.4231	2.700	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:17	
Grazing	EOT99-08	E9901473	P2-2D-A	NA	Alfalfa	Primary	7440-48-4	Cobalt	0.2475	0.570	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:17	
Grazing	EOT99-08	E9901473	P2-2D-A	NA	Alfalfa	Primary	7440-02-0	Nickel	15.87	0.250	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:17	
Grazing	EOT99-08	E9901473	P2-2D-A	NA	Alfalfa	Primary	8075-39-6	Manganese	12.53	0.070	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:17	
Grazing	EOT99-08	E9901473	P2-2D-A	NA	Alfalfa	Primary	7439-89-6	Iron	34.2	0.220	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:17	
Grazing	EOT99-08	E9901473	P2-2D-A	NA	Alfalfa	Primary	7440-47-3	Chromium	0.4309	0.500	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:17	
Grazing	EOT99-08	E9901473	P2-2D-A	NA	Alfalfa	Primary	7429-90-5	Aluminum	38.52	2.500	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:17	
Grazing	EOT99-08	E9901473	P2-2D-A	NA	Alfalfa	Primary	7440-62-2	Vanadium	0.6982	0.520	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:17	
Grazing	EOT99-08	E9901473	P2-2D-A	NA	Alfalfa	Primary	7440-50-8	Copper	5.251	0.520	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:17	
Grazing	EOT99-08	E9901474	P2-3D-G	NA	Grass Mix	Primary	7439-98-7	Molybdenum	6.91	1.100	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:22	
Grazing	EOT99-08	E9901474	P2-3D-G	NA	Grass Mix	Primary	7440-66-6	Zinc	73.21	0.330	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:22	
Grazing	EOT99-08	E9901474	P2-3D-G	NA	Grass Mix	Primary	7440-43-9	Cadmium	0.8145	0.140	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:22	
Grazing	EOT99-08	E9901474	P2-3D-G	NA	Grass Mix	Primary	7439-92-1	Lead	1.822	2.700	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:22	
Grazing	EOT99-08	E9901474	P2-3D-G	NA	Grass Mix	Primary	7440-48-4	Cobalt	-0.0975	0.570	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:22	
Grazing	EOT99-08	E9901474	P2-3D-G	NA	Grass Mix	Primary	7440-02-0	Nickel	0.9014	0.250	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:22	
Grazing	EOT99-08	E9901474	P2-3D-G	NA	Grass Mix	Primary	8075-39-6	Manganese	28.12	0.070	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:22	
Grazing	EOT99-08	E9901474	P2-3D-G	NA	Grass Mix	Primary	7439-89-6	Iron	35.49	0.220	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:22	
Grazing	EOT99-08	E9901474	P2-3D-G	NA	Grass Mix	Primary	7440-47-3	Chromium	0.3575	0.500	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:22	
Grazing	EOT99-08	E9901474	P2-3D-G	NA	Grass Mix	Primary	7429-90-5	Aluminum	33.97	2.500	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:22	
Grazing	EOT99-08	E9901474	P2-3D-G	NA	Grass Mix	Primary	7440-62-2	Vanadium	1.131	0.520	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:22	
Grazing	EOT99-08	E9901474	P2-3D-G	NA	Grass Mix	Primary	7440-50-8	Copper	5.22	0.520	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:22	
Grazing	EOT99-08	E9901475	P2-3D-A	NA	Alfalfa	Primary	7439-98-7	Molybdenum	14.13	1.100	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:26	
Grazing	EOT99-08	E9901475	P2-3D-A	NA	Alfalfa	Primary	7440-66-6	Zinc	42	0.330	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:26	
Grazing	EOT99-08	E9901475	P2-3D-A	NA	Alfalfa	Primary	7440-43-9	Cadmium	1.498	0.140	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:26	
Grazing	EOT99-08	E9901475	P2-3D-A	NA	Alfalfa	Primary	7439-92-1	Lead	1.23	2.700	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:26	
Grazing	EOT99-08	E9901475	P2-3D-A	NA	Alfalfa	Primary	7440-48-4	Cobalt	-0.0107	0.570	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:26	
Grazing	EOT99-08	E9901475	P2-3D-A	NA	Alfalfa	Primary	7440-02-0	Nickel	6.406	0.250	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:26	
Grazing	EOT99-08	E9901475	P2-3D-A	NA	Alfalfa	Primary	8075-39-6	Manganese	10.33	0.070	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:26	
Grazing	EOT99-08	E9901475	P2-3D-A	NA	Alfalfa	Primary	7439-89-6	Iron	29.42	0.220	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:26	
Grazing	EOT99-08	E9901475	P2-3D-A	NA	Alfalfa	Primary	7440-47-3	Chromium	0.3394	0.500	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:26	
Grazing	EOT99-08	E9901475	P2-3D-A	NA	Alfalfa	Primary	7429-90-5	Aluminum	29.94	2.500	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:26	
Grazing	EOT99-08	E9901475	P2-3D-A	NA	Alfalfa	Primary	7440-62-2	Vanadium	0.7409	0.520	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:26	
Grazing	EOT99-08	E9901475	P2-3D-A	NA	Alfalfa	Primary	7440-50-8	Copper	5.053	0.520	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:26	
Grazing	EOT99-08	E9901476	P2-4D-G	NA	Grass Mix	Primary	7439-98-7	Molybdenum	6.489	1.100	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:31	
Grazing	EOT99-08	E9901476	P2-4D-G	NA	Grass Mix	Primary	7440-66-6	Zinc	59.16	0.330	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:31	
Grazing	EOT99-08	E9901476	P2-4D-G	NA	Grass Mix	Primary	7440-43-9	Cadmium	0.4264	0.140	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:31	
Grazing	EOT99-08	E9901476	P2-4D-G	NA	Grass Mix	Primary	7439-92-1	Lead	0.4895	2.700	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:31	
Grazing	EOT99-08	E9901476	P2-4D-G	NA	Grass Mix	Primary	7440-48-4	Cobalt	-0.0246	0.570	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:31	

ATTACHMENT A
MWH EDD - 1999 - 2000 CATTLE TISSUE AND BLOOD DATA
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Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Grazing	EOT99-08	E9901476	P2-4D-G	NA	Grass Mix	Primary	7440-02-0	Nickel	1	0.250	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:31	
Grazing	EOT99-08	E9901476	P2-4D-G	NA	Grass Mix	Primary	8075-39-6	Manganese	21.16	0.070	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:31	
Grazing	EOT99-08	E9901476	P2-4D-G	NA	Grass Mix	Primary	7439-89-6	Iron	41.83	0.220	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:31	
Grazing	EOT99-08	E9901476	P2-4D-G	NA	Grass Mix	Primary	7440-47-3	Chromium	0.9638	0.500	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:31	
Grazing	EOT99-08	E9901476	P2-4D-G	NA	Grass Mix	Primary	7429-90-5	Aluminum	29.33	2.500	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:31	
Grazing	EOT99-08	E9901476	P2-4D-G	NA	Grass Mix	Primary	7440-62-2	Vanadium	0.9216	0.520	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:31	
Grazing	EOT99-08	E9901476	P2-4D-G	NA	Grass Mix	Primary	7440-50-8	Copper	4.955	0.520	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:31	
Grazing	EOT99-08	E9901477	P2-4D-A	NA	Alfalfa	Primary	7439-98-7	Molybdenum	9.095	1.100	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:36	
Grazing	EOT99-08	E9901477	P2-4D-A	NA	Alfalfa	Primary	7440-66-6	Zinc	66.49	0.330	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:36	
Grazing	EOT99-08	E9901477	P2-4D-A	NA	Alfalfa	Primary	7440-43-9	Cadmium	2.743	0.140	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:36	
Grazing	EOT99-08	E9901477	P2-4D-A	NA	Alfalfa	Primary	7439-92-1	Lead	0.1324	2.700	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:36	
Grazing	EOT99-08	E9901477	P2-4D-A	NA	Alfalfa	Primary	7440-48-4	Cobalt	0.0591	0.570	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:36	
Grazing	EOT99-08	E9901477	P2-4D-A	NA	Alfalfa	Primary	7440-02-0	Nickel	6.693	0.250	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:36	
Grazing	EOT99-08	E9901477	P2-4D-A	NA	Alfalfa	Primary	8075-39-6	Manganese	14.56	0.070	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:36	
Grazing	EOT99-08	E9901477	P2-4D-A	NA	Alfalfa	Primary	7439-89-6	Iron	30.2	0.220	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:36	
Grazing	EOT99-08	E9901477	P2-4D-A	NA	Alfalfa	Primary	7440-47-3	Chromium	0.4627	0.500	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:36	
Grazing	EOT99-08	E9901477	P2-4D-A	NA	Alfalfa	Primary	7429-90-5	Aluminum	24.7	2.500	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:36	
Grazing	EOT99-08	E9901477	P2-4D-A	NA	Alfalfa	Primary	7440-62-2	Vanadium	0.3364	0.520	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:36	
Grazing	EOT99-08	E9901477	P2-4D-A	NA	Alfalfa	Primary	7440-50-8	Copper	5.558	0.520	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:36	
Grazing	EOT99-08	E9901478	P2-5D-G	NA	Grass Mix	Primary	7439-98-7	Molybdenum	5.887	1.100	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:40	
Grazing	EOT99-08	E9901478	P2-5D-G	NA	Grass Mix	Primary	7440-66-6	Zinc	106.9	0.330	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:40	
Grazing	EOT99-08	E9901478	P2-5D-G	NA	Grass Mix	Primary	7440-43-9	Cadmium	0.9227	0.140	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:40	
Grazing	EOT99-08	E9901478	P2-5D-G	NA	Grass Mix	Primary	7439-92-1	Lead	1.208	2.700	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:40	
Grazing	EOT99-08	E9901478	P2-5D-G	NA	Grass Mix	Primary	7440-48-4	Cobalt	0.0669	0.570	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:40	
Grazing	EOT99-08	E9901478	P2-5D-G	NA	Grass Mix	Primary	7440-02-0	Nickel	2.261	0.250	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:40	
Grazing	EOT99-08	E9901478	P2-5D-G	NA	Grass Mix	Primary	8075-39-6	Manganese	23.8	0.070	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:40	
Grazing	EOT99-08	E9901478	P2-5D-G	NA	Grass Mix	Primary	7439-89-6	Iron	57.07	0.220	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:40	
Grazing	EOT99-08	E9901478	P2-5D-G	NA	Grass Mix	Primary	7440-47-3	Chromium	1.589	0.500	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:40	
Grazing	EOT99-08	E9901478	P2-5D-G	NA	Grass Mix	Primary	7429-90-5	Aluminum	48.77	2.500	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:40	
Grazing	EOT99-08	E9901478	P2-5D-G	NA	Grass Mix	Primary	7440-62-2	Vanadium	1.233	0.520	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:40	
Grazing	EOT99-08	E9901478	P2-5D-G	NA	Grass Mix	Primary	7440-50-8	Copper	4.651	0.520	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:40	
Grazing	EOT99-08	E9901479	P2-5D-A	NA	Alfalfa	Primary	7439-98-7	Molybdenum	6.088	1.100	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:45	
Grazing	EOT99-08	E9901479	P2-5D-A	NA	Alfalfa	Primary	7440-66-6	Zinc	58.22	0.330	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:45	
Grazing	EOT99-08	E9901479	P2-5D-A	NA	Alfalfa	Primary	7440-43-9	Cadmium	2.343	0.140	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:45	
Grazing	EOT99-08	E9901479	P2-5D-A	NA	Alfalfa	Primary	7439-92-1	Lead	0.1836	2.700	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:45	
Grazing	EOT99-08	E9901479	P2-5D-A	NA	Alfalfa	Primary	7440-48-4	Cobalt	0.0801	0.570	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:45	
Grazing	EOT99-08	E9901479	P2-5D-A	NA	Alfalfa	Primary	7440-02-0	Nickel	9.154	0.250	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:45	
Grazing	EOT99-08	E9901479	P2-5D-A	NA	Alfalfa	Primary	8075-39-6	Manganese	13.17	0.070	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:45	
Grazing	EOT99-08	E9901479	P2-5D-A	NA	Alfalfa	Primary	7439-89-6	Iron	48.27	0.220	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:45	
Grazing	EOT99-08	E9901479	P2-5D-A	NA	Alfalfa	Primary	7440-47-3	Chromium	0.2432	0.500	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:45	
Grazing	EOT99-08	E9901479	P2-5D-A	NA	Alfalfa	Primary	7429-90-5	Aluminum	37.98	2.500	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:45	
Grazing	EOT99-08	E9901479	P2-5D-A	NA	Alfalfa	Primary	7440-62-2	Vanadium	0.7808	0.520	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:45	
Grazing	EOT99-08	E9901479	P2-5D-A	NA	Alfalfa	Primary	7440-50-8	Copper	6.493	0.520	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:45	
Grazing	EOT99-08	E9901480	P3-1D-G	NA	Grass Mix	Primary	7439-98-7	Molybdenum	13.56	1.100	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:49	
Grazing	EOT99-08	E9901480	P3-1D-G	NA	Grass Mix	Primary	7440-66-6	Zinc	62.76	0.330	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:49	
Grazing	EOT99-08	E9901480	P3-1D-G	NA	Grass Mix	Primary	7440-43-9	Cadmium	0.8001	0.140	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:49	
Grazing	EOT99-08	E9901480	P3-1D-G	NA	Grass Mix	Primary	7439-92-1	Lead	-1.155	2.700	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:49	
Grazing	EOT99-08	E9901480	P3-1D-G	NA	Grass Mix	Primary	7440-48-4	Cobalt	-0.0897	0.570	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:49	
Grazing	EOT99-08	E9901480	P3-1D-G	NA	Grass Mix	Primary	7440-02-0	Nickel	0.5814	0.250	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:49	
Grazing	EOT99-08	E9901480	P3-1D-G	NA	Grass Mix	Primary	8075-39-6	Manganese	27.13	0.070	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:49	
Grazing	EOT99-08	E9901480	P3-1D-G	NA	Grass Mix	Primary	7439-89-6	Iron	37.99	0.220	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:49	
Grazing	EOT99-08	E9901480	P3-1D-G	NA	Grass Mix	Primary	7440-47-3	Chromium	0.5903	0.500	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:49	
Grazing	EOT99-08	E9901480	P3-1D-G	NA	Grass Mix	Primary	7429-90-5	Aluminum	35.39	2.500	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:49	
Grazing	EOT99-08	E9901480	P3-1D-G	NA	Grass Mix	Primary	7440-62-2	Vanadium	0.918	0.520	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:49	
Grazing	EOT99-08	E9901480	P3-1D-G	NA	Grass Mix	Primary	7440-50-8	Copper	3.845	0.520	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:49	
Grazing	EOT99-08	E9901480D	P3-1D-G	NA	Grass Mix	FD	7439-98-7	Molybdenum	15.85	1.100	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:54	
Grazing	EOT99-08	E9901480D	P3-1D-G	NA	Grass Mix	FD	7440-66-6	Zinc	69.08	0.330	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:54	
Grazing	EOT99-08	E9901480D	P3-1D-G	NA	Grass Mix	FD	7440-43-9	Cadmium	1.049	0.140	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:54	

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Grazing	EOT99-08	E9901480D	P3-1D-G	NA	Grass Mix	FD	7439-92-1	Lead	1.16	2.700	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:54	
Grazing	EOT99-08	E9901480D	P3-1D-G	NA	Grass Mix	FD	7440-48-4	Cobalt	0.0694	0.570	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:54	
Grazing	EOT99-08	E9901480D	P3-1D-G	NA	Grass Mix	FD	7440-02-0	Nickel	0.8572	0.250	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:54	
Grazing	EOT99-08	E9901480D	P3-1D-G	NA	Grass Mix	FD	8075-39-6	Manganese	29.13	0.070	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:54	
Grazing	EOT99-08	E9901480D	P3-1D-G	NA	Grass Mix	FD	7439-89-6	Iron	36.28	0.220	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:54	
Grazing	EOT99-08	E9901480D	P3-1D-G	NA	Grass Mix	FD	7440-47-3	Chromium	0.4664	0.500	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:54	
Grazing	EOT99-08	E9901480D	P3-1D-G	NA	Grass Mix	FD	7429-90-5	Aluminum	29.24	2.500	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:54	
Grazing	EOT99-08	E9901480D	P3-1D-G	NA	Grass Mix	FD	7440-62-2	Vanadium	0.8332	0.520	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:54	
Grazing	EOT99-08	E9901480D	P3-1D-G	NA	Grass Mix	FD	7440-50-8	Copper	3.938	0.520	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:54	
Grazing	EOT99-08	HRA-2	House Ref. Alfalfa	NA	Plant Tissue	HRA	7439-98-7	Molybdenum	1.966	1.100	EDL	ug/g	Wet Wt	1	1.23	160	NA	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:59	
Grazing	EOT99-08	HRA-2	House Ref. Alfalfa	NA	Plant Tissue	HRA	7440-66-6	Zinc	21.46	0.330	EDL	ug/g	Wet Wt	1	20.8	103	NA	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:59	
Grazing	EOT99-08	HRA-2	House Ref. Alfalfa	NA	Plant Tissue	HRA	7440-02-0	Nickel	1.113	0.250	EDL	ug/g	Wet Wt	1	1.19	94	NA	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:59	
Grazing	EOT99-08	HRA-2	House Ref. Alfalfa	NA	Plant Tissue	HRA	8075-39-6	Manganese	32.08	0.070	EDL	ug/g	Wet Wt	1	30.4	106	NA	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:59	
Grazing	EOT99-08	HRA-2	House Ref. Alfalfa	NA	Plant Tissue	HRA	7439-89-6	Iron	312.4	0.220	EDL	ug/g	Wet Wt	1	317	99	NA	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:59	
Grazing	EOT99-08	HRA-2	House Ref. Alfalfa	NA	Plant Tissue	HRA	7440-47-3	Chromium	0.5509	0.500	EDL	ug/g	Wet Wt	1	1.05	52	NA	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:59	
Grazing	EOT99-08	HRA-2	House Ref. Alfalfa	NA	Plant Tissue	HRA	7429-90-5	Aluminum	374.6	2.500	EDL	ug/g	Wet Wt	1	401	93	NA	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:59	
Grazing	EOT99-08	HRA-2	House Ref. Alfalfa	NA	Plant Tissue	HRA	7440-62-2	Vanadium	1.243	0.520	EDL	ug/g	Wet Wt	1	1.12	111	NA	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:59	
Grazing	EOT99-08	HRA-2	House Ref. Alfalfa	NA	Plant Tissue	HRA	7440-50-8	Copper	8.248	0.520	EDL	ug/g	Wet Wt	1	8.01	103	NA	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	14:59	
Grazing	EOT99-08	CS3	Check Standard	NA	Lab QC	CCV	7439-98-7	Molybdenum		1.100	EDL	ug/g	Wet Wt	1		91	NA	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:03	
Grazing	EOT99-08	CS3	Check Standard	NA	Lab QC	CCV	7440-66-6	Zinc		0.330	EDL	ug/g	Wet Wt	1		99	NA	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:03	
Grazing	EOT99-08	CS3	Check Standard	NA	Lab QC	CCV	7440-43-9	Cadmium		0.140	EDL	ug/g	Wet Wt	1		95	NA	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:03	
Grazing	EOT99-08	CS3	Check Standard	NA	Lab QC	CCV	7439-92-1	Lead		2.700	EDL	ug/g	Wet Wt	1		93	NA	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:03	
Grazing	EOT99-08	CS3	Check Standard	NA	Lab QC	CCV	7440-48-4	Cobalt		0.570	EDL	ug/g	Wet Wt	1		95	NA	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:03	
Grazing	EOT99-08	CS3	Check Standard	NA	Lab QC	CCV	7440-02-0	Nickel		0.250	EDL	ug/g	Wet Wt	1		98	NA	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:03	
Grazing	EOT99-08	CS3	Check Standard	NA	Lab QC	CCV	8075-39-6	Manganese		0.070	EDL	ug/g	Wet Wt	1		101	NA	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:03	
Grazing	EOT99-08	CS3	Check Standard	NA	Lab QC	CCV	7439-89-6	Iron		0.220	EDL	ug/g	Wet Wt	1		102	NA	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:03	
Grazing	EOT99-08	CS3	Check Standard	NA	Lab QC	CCV	7440-47-3	Chromium		0.500	EDL	ug/g	Wet Wt	1		96	NA	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:03	
Grazing	EOT99-08	CS3	Check Standard	NA	Lab QC	CCV	7429-90-5	Aluminum		2.500	EDL	ug/g	Wet Wt	1		103	NA	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:03	
Grazing	EOT99-08	CS3	Check Standard	NA	Lab QC	CCV	7440-62-2	Vanadium		0.520	EDL	ug/g	Wet Wt	1		98	NA	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:03	
Grazing	EOT99-08	CS3	Check Standard	NA	Lab QC	CCV	7440-50-8	Copper		0.520	EDL	ug/g	Wet Wt	1		100	NA	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:03	
Grazing	EOT99-08	E9901481	P3-1D-A	NA	Alfalfa	Primary	7439-98-7	Molybdenum	22.1	1.100	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:09	
Grazing	EOT99-08	E9901481	P3-1D-A	NA	Alfalfa	Primary	7440-66-6	Zinc	52.51	0.330	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:09	
Grazing	EOT99-08	E9901481	P3-1D-A	NA	Alfalfa	Primary	7440-43-9	Cadmium	2.855	0.140	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:09	
Grazing	EOT99-08	E9901481	P3-1D-A	NA	Alfalfa	Primary	7439-92-1	Lead	0.2975	2.700	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:09	
Grazing	EOT99-08	E9901481	P3-1D-A	NA	Alfalfa	Primary	7440-48-4	Cobalt	0.0003	0.570	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:09	
Grazing	EOT99-08	E9901481	P3-1D-A	NA	Alfalfa	Primary	7440-02-0	Nickel	10.28	0.250	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:09	
Grazing	EOT99-08	E9901481	P3-1D-A	NA	Alfalfa	Primary	8075-39-6	Manganese	13.61	0.070	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:09	
Grazing	EOT99-08	E9901481	P3-1D-A	NA	Alfalfa	Primary	7439-89-6	Iron	23.41	0.220	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:09	
Grazing	EOT99-08	E9901481	P3-1D-A	NA	Alfalfa	Primary	7440-47-3	Chromium	0.2409	0.500	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:09	
Grazing	EOT99-08	E9901481	P3-1D-A	NA	Alfalfa	Primary	7429-90-5	Aluminum	21.89	2.500	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:09	
Grazing	EOT99-08	E9901481	P3-1D-A	NA	Alfalfa	Primary	7440-62-2	Vanadium	0.6331	0.520	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:09	
Grazing	EOT99-08	E9901481	P3-1D-A	NA	Alfalfa	Primary	7440-50-8	Copper	6.84	0.520	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:09	
Grazing	EOT99-08	E9901482	P3-2D-G	NA	Grass Mix	Primary	7439-98-7	Molybdenum	9.058	1.100	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:13	
Grazing	EOT99-08	E9901482	P3-2D-G	NA	Grass Mix	Primary	7440-66-6	Zinc	51.93	0.330	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:13	
Grazing	EOT99-08	E9901482	P3-2D-G	NA	Grass Mix	Primary	7440-43-9	Cadmium	0.5812	0.140	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:13	
Grazing	EOT99-08	E9901482	P3-2D-G	NA	Grass Mix	Primary	7439-92-1	Lead	0.6831	2.700	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:13	
Grazing	EOT99-08	E9901482	P3-2D-G	NA	Grass Mix	Primary	7440-48-4	Cobalt	-0.0497	0.570	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:13	
Grazing	EOT99-08	E9901482	P3-2D-G	NA	Grass Mix	Primary	7440-02-0	Nickel	1.675	0.250	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:13	
Grazing	EOT99-08	E9901482	P3-2D-G	NA	Grass Mix	Primary	8075-39-6	Manganese	16.05	0.070	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:13	
Grazing	EOT99-08	E9901482	P3-2D-G	NA	Grass Mix	Primary	7439-89-6	Iron	54.19	0.220	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:13	
Grazing	EOT99-08	E9901482	P3-2D-G	NA	Grass Mix	Primary	7440-47-3	Chromium	1.133	0.500	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:13	
Grazing	EOT99-08	E9901482	P3-2D-G	NA	Grass Mix	Primary	7429-90-5	Aluminum	37.65	2.500	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:13	
Grazing	EOT99-08	E9901482	P3-2D-G	NA	Grass Mix	Primary	7440-62-2	Vanadium	1.139	0.520	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:13	
Grazing	EOT99-08	E9901482	P3-2D-G	NA	Grass Mix	Primary	7440-50-8	Copper	5.507	0.520	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:13	
Grazing	EOT99-08	E9901483	P3-2D-A	NA	Alfalfa	Primary	7439-98-7	Molybdenum	14.48	1.100	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:18	
Grazing	EOT99-08	E9901483	P3-2D-A	NA	Alfalfa	Primary	7440-66-6	Zinc	69.06	0.330	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:18	
Grazing	EOT99-08	E9901483	P3-2D-A	NA	Alfalfa	Primary	7440-43-9	Cadmium	2.286	0.140	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:18	
Grazing	EOT99-08	E9901483	P3-2D-A	NA	Alfalfa	Primary	7439-92-1	Lead	-0.2901	2.700	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:18	

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Grazing	EOT99-08	E9901483	P3-2D-A	NA	Alfalfa	Primary	7440-48-4	Cobalt	0.1056	0.570	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:18	
Grazing	EOT99-08	E9901483	P3-2D-A	NA	Alfalfa	Primary	7440-02-0	Nickel	15.15	0.250	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:18	
Grazing	EOT99-08	E9901483	P3-2D-A	NA	Alfalfa	Primary	8075-39-6	Manganese	16.08	0.070	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:18	
Grazing	EOT99-08	E9901483	P3-2D-A	NA	Alfalfa	Primary	7439-89-6	Iron	44.22	0.220	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:18	
Grazing	EOT99-08	E9901483	P3-2D-A	NA	Alfalfa	Primary	7440-47-3	Chromium	0.9444	0.500	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:18	
Grazing	EOT99-08	E9901483	P3-2D-A	NA	Alfalfa	Primary	7429-90-5	Aluminum	39.63	2.500	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:18	
Grazing	EOT99-08	E9901483	P3-2D-A	NA	Alfalfa	Primary	7440-62-2	Vanadium	0.9041	0.520	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:18	
Grazing	EOT99-08	E9901483	P3-2D-A	NA	Alfalfa	Primary	7440-50-8	Copper	4.415	0.520	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:18	
Grazing	EOT99-08	E9901484	P3-3D-G	NA	Grass Mix	Primary	7439-98-7	Molybdenum	4.011	1.100	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:22	
Grazing	EOT99-08	E9901484	P3-3D-G	NA	Grass Mix	Primary	7440-66-6	Zinc	77.74	0.330	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:22	
Grazing	EOT99-08	E9901484	P3-3D-G	NA	Grass Mix	Primary	7440-43-9	Cadmium	0.6839	0.140	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:22	
Grazing	EOT99-08	E9901484	P3-3D-G	NA	Grass Mix	Primary	7439-92-1	Lead	0.5073	2.700	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:22	
Grazing	EOT99-08	E9901484	P3-3D-G	NA	Grass Mix	Primary	7440-48-4	Cobalt	-0.0575	0.570	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:22	
Grazing	EOT99-08	E9901484	P3-3D-G	NA	Grass Mix	Primary	7440-02-0	Nickel	1.365	0.250	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:22	
Grazing	EOT99-08	E9901484	P3-3D-G	NA	Grass Mix	Primary	8075-39-6	Manganese	17.45	0.070	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:22	
Grazing	EOT99-08	E9901484	P3-3D-G	NA	Grass Mix	Primary	7439-89-6	Iron	39.67	0.220	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:22	
Grazing	EOT99-08	E9901484	P3-3D-G	NA	Grass Mix	Primary	7440-47-3	Chromium	0.3255	0.500	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:22	
Grazing	EOT99-08	E9901484	P3-3D-G	NA	Grass Mix	Primary	7429-90-5	Aluminum	33.95	2.500	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:22	
Grazing	EOT99-08	E9901484	P3-3D-G	NA	Grass Mix	Primary	7440-62-2	Vanadium	0.7519	0.520	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:22	
Grazing	EOT99-08	E9901484	P3-3D-G	NA	Grass Mix	Primary	7440-50-8	Copper	4.785	0.520	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:22	
Grazing	EOT99-08	E9901485	P3-3D-A	NA	Alfalfa	Primary	7439-98-7	Molybdenum	10.89	1.100	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:27	
Grazing	EOT99-08	E9901485	P3-3D-A	NA	Alfalfa	Primary	7440-66-6	Zinc	46.65	0.330	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:27	
Grazing	EOT99-08	E9901485	P3-3D-A	NA	Alfalfa	Primary	7440-43-9	Cadmium	18.43	0.140	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:27	
Grazing	EOT99-08	E9901485	P3-3D-A	NA	Alfalfa	Primary	7439-92-1	Lead	-0.3911	2.700	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:27	
Grazing	EOT99-08	E9901485	P3-3D-A	NA	Alfalfa	Primary	7440-48-4	Cobalt	-0.161	0.570	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:27	
Grazing	EOT99-08	E9901485	P3-3D-A	NA	Alfalfa	Primary	7440-02-0	Nickel	13.39	0.250	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:27	
Grazing	EOT99-08	E9901485	P3-3D-A	NA	Alfalfa	Primary	8075-39-6	Manganese	8.451	0.070	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:27	
Grazing	EOT99-08	E9901485	P3-3D-A	NA	Alfalfa	Primary	7439-89-6	Iron	24.16	0.220	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:27	
Grazing	EOT99-08	E9901485	P3-3D-A	NA	Alfalfa	Primary	7440-47-3	Chromium	0.2758	0.500	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:27	
Grazing	EOT99-08	E9901485	P3-3D-A	NA	Alfalfa	Primary	7429-90-5	Aluminum	24.62	2.500	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:27	
Grazing	EOT99-08	E9901485	P3-3D-A	NA	Alfalfa	Primary	7440-62-2	Vanadium	0.7746	0.520	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:27	
Grazing	EOT99-08	E9901485	P3-3D-A	NA	Alfalfa	Primary	7440-50-8	Copper	4.71	0.520	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:27	
Grazing	EOT99-08	E9901486	P3-4D-G	NA	Grass Mix	Primary	7439-98-7	Molybdenum	4.363	1.100	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:32	
Grazing	EOT99-08	E9901486	P3-4D-G	NA	Grass Mix	Primary	7440-66-6	Zinc	58.66	0.330	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:32	
Grazing	EOT99-08	E9901486	P3-4D-G	NA	Grass Mix	Primary	7440-43-9	Cadmium	1.523	0.140	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:32	
Grazing	EOT99-08	E9901486	P3-4D-G	NA	Grass Mix	Primary	7439-92-1	Lead	-0.2392	2.700	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:32	
Grazing	EOT99-08	E9901486	P3-4D-G	NA	Grass Mix	Primary	7440-48-4	Cobalt	0.0122	0.570	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:32	
Grazing	EOT99-08	E9901486	P3-4D-G	NA	Grass Mix	Primary	7440-02-0	Nickel	2.173	0.250	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:32	
Grazing	EOT99-08	E9901486	P3-4D-G	NA	Grass Mix	Primary	8075-39-6	Manganese	24.51	0.070	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:32	
Grazing	EOT99-08	E9901486	P3-4D-G	NA	Grass Mix	Primary	7439-89-6	Iron	43.53	0.220	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:32	
Grazing	EOT99-08	E9901486	P3-4D-G	NA	Grass Mix	Primary	7440-47-3	Chromium	0.1673	0.500	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:32	
Grazing	EOT99-08	E9901486	P3-4D-G	NA	Grass Mix	Primary	7429-90-5	Aluminum	32.88	2.500	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:32	
Grazing	EOT99-08	E9901486	P3-4D-G	NA	Grass Mix	Primary	7440-62-2	Vanadium	0.9982	0.520	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:32	
Grazing	EOT99-08	E9901486	P3-4D-G	NA	Grass Mix	Primary	7440-50-8	Copper	4.892	0.520	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:32	
Grazing	EOT99-08	E9901487	P3-4D-A	NA	Alfalfa	Primary	7439-98-7	Molybdenum	7.807	1.100	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:36	
Grazing	EOT99-08	E9901487	P3-4D-A	NA	Alfalfa	Primary	7440-66-6	Zinc	94.25	0.330	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:36	
Grazing	EOT99-08	E9901487	P3-4D-A	NA	Alfalfa	Primary	7440-43-9	Cadmium	4.021	0.140	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:36	
Grazing	EOT99-08	E9901487	P3-4D-A	NA	Alfalfa	Primary	7439-92-1	Lead	-1.683	2.700	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:36	
Grazing	EOT99-08	E9901487	P3-4D-A	NA	Alfalfa	Primary	7440-48-4	Cobalt	-0.0743	0.570	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:36	
Grazing	EOT99-08	E9901487	P3-4D-A	NA	Alfalfa	Primary	7440-02-0	Nickel	15.41	0.250	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:36	
Grazing	EOT99-08	E9901487	P3-4D-A	NA	Alfalfa	Primary	8075-39-6	Manganese	18.07	0.070	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:36	
Grazing	EOT99-08	E9901487	P3-4D-A	NA	Alfalfa	Primary	7439-89-6	Iron	43.95	0.220	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:36	
Grazing	EOT99-08	E9901487	P3-4D-A	NA	Alfalfa	Primary	7440-47-3	Chromium	0.8642	0.500	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:36	
Grazing	EOT99-08	E9901487	P3-4D-A	NA	Alfalfa	Primary	7429-90-5	Aluminum	34.54	2.500	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:36	
Grazing	EOT99-08	E9901487	P3-4D-A	NA	Alfalfa	Primary	7440-62-2	Vanadium	0.9179	0.520	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:36	
Grazing	EOT99-08	E9901487	P3-4D-A	NA	Alfalfa	Primary	7440-50-8	Copper	5.97	0.520	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:36	
Grazing	EOT99-08	E9901488	P3-5D-G	NA	Grass Mix	Primary	7439-98-7	Molybdenum	10.38	1.100	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:41	
Grazing	EOT99-08	E9901488	P3-5D-G	NA	Grass Mix	Primary	7440-66-6	Zinc	94.59	0.330	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:41	

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Grazing	EOT99-08	E9901488	P3-5D-G	NA	Grass Mix	Primary	7440-43-9	Cadmium	0.8221	0.140	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:41	
Grazing	EOT99-08	E9901488	P3-5D-G	NA	Grass Mix	Primary	7439-92-1	Lead	-0.1151	2.700	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:41	
Grazing	EOT99-08	E9901488	P3-5D-G	NA	Grass Mix	Primary	7440-48-4	Cobalt	0.0459	0.570	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:41	
Grazing	EOT99-08	E9901488	P3-5D-G	NA	Grass Mix	Primary	7440-02-0	Nickel	2.776	0.250	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:41	
Grazing	EOT99-08	E9901488	P3-5D-G	NA	Grass Mix	Primary	8075-39-6	Manganese	21.62	0.070	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:41	
Grazing	EOT99-08	E9901488	P3-5D-G	NA	Grass Mix	Primary	7439-89-6	Iron	52.43	0.220	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:41	
Grazing	EOT99-08	E9901488	P3-5D-G	NA	Grass Mix	Primary	7440-47-3	Chromium	0.4826	0.500	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:41	
Grazing	EOT99-08	E9901488	P3-5D-G	NA	Grass Mix	Primary	7429-90-5	Aluminum	54.05	2.500	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:41	
Grazing	EOT99-08	E9901488	P3-5D-G	NA	Grass Mix	Primary	7440-62-2	Vanadium	1.285	0.520	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:41	
Grazing	EOT99-08	E9901488	P3-5D-G	NA	Grass Mix	Primary	7440-50-8	Copper	5.936	0.520	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:41	
Grazing	EOT99-08	E9901489	P3-5D-A	NA	Alfalfa	Primary	7439-98-7	Molybdenum	17.15	1.100	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:45	
Grazing	EOT99-08	E9901489	P3-5D-A	NA	Alfalfa	Primary	7440-66-6	Zinc	75.52	0.330	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:45	
Grazing	EOT99-08	E9901489	P3-5D-A	NA	Alfalfa	Primary	7440-43-9	Cadmium	2.147	0.140	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:45	
Grazing	EOT99-08	E9901489	P3-5D-A	NA	Alfalfa	Primary	7439-92-1	Lead	0.792	2.700	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:45	
Grazing	EOT99-08	E9901489	P3-5D-A	NA	Alfalfa	Primary	7440-48-4	Cobalt	0.1219	0.570	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:45	
Grazing	EOT99-08	E9901489	P3-5D-A	NA	Alfalfa	Primary	7440-02-0	Nickel	20.48	0.250	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:45	
Grazing	EOT99-08	E9901489	P3-5D-A	NA	Alfalfa	Primary	8075-39-6	Manganese	21.32	0.070	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:45	
Grazing	EOT99-08	E9901489	P3-5D-A	NA	Alfalfa	Primary	7439-89-6	Iron	49.29	0.220	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:45	
Grazing	EOT99-08	E9901489	P3-5D-A	NA	Alfalfa	Primary	7440-47-3	Chromium	0.9076	0.500	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:45	
Grazing	EOT99-08	E9901489	P3-5D-A	NA	Alfalfa	Primary	7429-90-5	Aluminum	46.99	2.500	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:45	
Grazing	EOT99-08	E9901489	P3-5D-A	NA	Alfalfa	Primary	7440-62-2	Vanadium	0.8674	0.520	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:45	
Grazing	EOT99-08	E9901489	P3-5D-A	NA	Alfalfa	Primary	7440-50-8	Copper	5.444	0.520	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:45	
Grazing	EOT99-08	HRL-3	House Ref. Liver	NA	Animal Tissue	HRL	7439-98-7	Molybdenum	2.401	1.100	EDL	ug/g	Wet Wt	1	3.18	76	NA	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:50	
Grazing	EOT99-08	HRL-3	House Ref. Liver	NA	Animal Tissue	HRL	7440-66-6	Zinc	108.9	0.330	EDL	ug/g	Wet Wt	1	119	92	NA	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:50	
Grazing	EOT99-08	HRL-3	House Ref. Liver	NA	Animal Tissue	HRL	7440-43-9	Cadmium	47.84	0.140	EDL	ug/g	Wet Wt	1	54.4	88	NA	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:50	
Grazing	EOT99-08	HRL-3	House Ref. Liver	NA	Animal Tissue	HRL	7439-92-1	Lead	42.58	2.700	EDL	ug/g	Wet Wt	1	47.9	89	NA	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:50	
Grazing	EOT99-08	HRL-3	House Ref. Liver	NA	Animal Tissue	HRL	7440-48-4	Cobalt	37.83	0.570	EDL	ug/g	Wet Wt	1	44.1	86	NA	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:50	
Grazing	EOT99-08	HRL-3	House Ref. Liver	NA	Animal Tissue	HRL	8075-39-6	Manganese	9.255	0.070	EDL	ug/g	Wet Wt	1	10.1	92	NA	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:50	
Grazing	EOT99-08	HRL-3	House Ref. Liver	NA	Animal Tissue	HRL	7439-89-6	Iron	165.5	0.220	EDL	ug/g	Wet Wt	1	183	90	NA	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:50	
Grazing	EOT99-08	HRL-3	House Ref. Liver	NA	Animal Tissue	HRL	7440-47-3	Chromium	43.22	0.500	EDL	ug/g	Wet Wt	1	49.2	88	NA	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:50	
Grazing	EOT99-08	HRL-3	House Ref. Liver	NA	Animal Tissue	HRL	7440-50-8	Copper	110.7	0.520	EDL	ug/g	Wet Wt	1	123	90	NA	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:50	
Grazing	EOT99-08	HRA-3	House Ref. Alfalfa	NA	Plant Tissue	HRA	7439-98-7	Molybdenum	1.514	1.100	EDL	ug/g	Wet Wt	1	1.23	123	NA	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:55	
Grazing	EOT99-08	HRA-3	House Ref. Alfalfa	NA	Plant Tissue	HRA	7440-66-6	Zinc	22.32	0.330	EDL	ug/g	Wet Wt	1	20.8	107	NA	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:55	
Grazing	EOT99-08	HRA-3	House Ref. Alfalfa	NA	Plant Tissue	HRA	8075-39-6	Manganese	29.82	0.070	EDL	ug/g	Wet Wt	1	30.4	98	NA	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:55	
Grazing	EOT99-08	HRA-3	House Ref. Alfalfa	NA	Plant Tissue	HRA	7439-89-6	Iron	279.3	0.220	EDL	ug/g	Wet Wt	1	317	88	NA	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:55	
Grazing	EOT99-08	HRA-3	House Ref. Alfalfa	NA	Plant Tissue	HRA	7440-47-3	Chromium	0.4806	0.500	EDL	ug/g	Wet Wt	1	1.05	46	NA	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:55	
Grazing	EOT99-08	HRA-3	House Ref. Alfalfa	NA	Plant Tissue	HRA	7429-90-5	Aluminum	335.9	2.500	EDL	ug/g	Wet Wt	1	401	84	NA	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:55	
Grazing	EOT99-08	HRA-3	House Ref. Alfalfa	NA	Plant Tissue	HRA	7440-62-2	Vanadium	0.8723	0.520	EDL	ug/g	Wet Wt	1	1.12	78	NA	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:55	
Grazing	EOT99-08	HRA-3	House Ref. Alfalfa	NA	Plant Tissue	HRA	7440-50-8	Copper	8.003	0.520	EDL	ug/g	Wet Wt	1	8.01	100	NA	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:55	
Grazing	EOT99-08	CB-1	Corn Bran	NA	Plant Tissue	SRM	7440-66-6	Zinc	23.35	0.330	EDL	ug/g	Wet Wt	1	18.6	126	NA	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	11:18	
Grazing	EOT99-08	CB-1	Corn Bran	NA	Plant Tissue	SRM	8075-39-6	Manganese	3.493	0.070	EDL	ug/g	Wet Wt	1	2.55	137	NA	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	11:18	
Grazing	EOT99-08	CB-1	Corn Bran	NA	Plant Tissue	SRM	7439-89-6	Iron	17.71	0.220	EDL	ug/g	Wet Wt	1	14.8	120	NA	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	11:18	
Grazing	EOT99-08	CB-1	Corn Bran	NA	Plant Tissue	SRM	7440-50-8	Copper	3.392	0.520	EDL	ug/g	Wet Wt	1	2.47	137	NA	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	11:18	
Grazing	EOT99-08	CB-2	Corn Bran	NA	Plant Tissue	SRM	7440-66-6	Zinc	22.06	0.330	EDL	ug/g	Wet Wt	1	18.6	119	NA	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:59	
Grazing	EOT99-08	CB-2	Corn Bran	NA	Plant Tissue	SRM	8075-39-6	Manganese	3.391	0.070	EDL	ug/g	Wet Wt	1	2.55	133	NA	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:59	
Grazing	EOT99-08	CB-2	Corn Bran	NA	Plant Tissue	SRM	7439-89-6	Iron	15.31	0.220	EDL	ug/g	Wet Wt	1	14.8	103	NA	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:59	
Grazing	EOT99-08	CB-2	Corn Bran	NA	Plant Tissue	SRM	7440-50-8	Copper	3.257	0.520	EDL	ug/g	Wet Wt	1	2.47	132	NA	ICP - TES	TESICP_11-18-99	1118PMT	11/12/1999	11/18/1999	15:59	
Grazing	EOT99-08	HRA	House Ref. Alfalfa	NA	Plant Tissue	HRA	7439-98-7	Molybdenum	1.843	1.100	EDL	ug/g	Wet Wt	1	1.23	150	NA	ICP - TES	TESICP_02-03-00	0203MIC	1/26/2000	2/3/2000	15:48	
Grazing	EOT99-08	HRA	House Ref. Alfalfa	NA	Plant Tissue	HRA	7440-66-6	Zinc	23.07	0.330	EDL	ug/g	Wet Wt	1	20.8	111	NA	ICP - TES	TESICP_02-03-00	0203MIC	1/26/2000	2/3/2000	15:48	
Grazing	EOT99-08	HRA	House Ref. Alfalfa	NA	Plant Tissue	HRA	7440-02-0	Nickel	1.266	0.250	EDL	ug/g	Wet Wt	1	1.19	106	NA	ICP - TES	TESICP_02-03-00	0203MIC	1/26/2000	2/3/2000	15:48	
Grazing	EOT99-08	HRA	House Ref. Alfalfa	NA	Plant Tissue	HRA	8075-39-6	Manganese	34.19	0.070	EDL	ug/g	Wet Wt	1	30.4	112	NA	ICP - TES	TESICP_02-03-00	0203MIC	1/26/2000	2/3/2000	15:48	
Grazing	EOT99-08	HRA	House Ref. Alfalfa	NA	Plant Tissue	HRA	7439-89-6	Iron	356.6	0.220	EDL	ug/g	Wet Wt	1	317	112	NA	ICP - TES	TESICP_02-03-00	0203MIC	1/26/2000	2/3/2000	15:48	
Grazing	EOT99-08	HRA	House Ref. Alfalfa	NA	Plant Tissue	HRA	7440-47-3	Chromium	0.7037	0.500	EDL	ug/g	Wet Wt	1	1.05	67	NA	ICP - TES	TESICP_02-03-00	0203MIC	1/26/2000	2/3/2000	15:48	
Grazing	EOT99-08	HRA	House Ref. Alfalfa	NA	Plant Tissue	HRA	7429-90-5	Aluminum	498.5	2.500	EDL	ug/g	Wet Wt	1	401	124	NA	ICP - TES	TESICP_02-03-00	0203MIC	1/26/2000	2/3/2000	15:48	
Grazing	EOT99-08	HRA	House Ref. Alfalfa	NA	Plant Tissue	HRA	7440-62-2	Vanadium	0.941	0.520	EDL	ug/g	Wet Wt	1	1.12	84	NA	ICP - TES	TESICP_02-03-00	0203MIC	1/26/2000	2/3/2000	15:48	
Grazing	EOT99-08	HRA	House Ref. Alfalfa	NA	Plant Tissue	HRA	7440-50-8	Copper	9.006	0.520	EDL	ug/g	Wet Wt	1	8.01	112	NA	ICP - TES	TESICP_02-03-00	0203MIC	1/26/2000	2/3/2000	15:48	
Grazing	EOT99-08	HRL	House Ref. Liver	NA	Animal Tissue	HRL	7439-98-7	Molybdenum	3.05	1.100	EDL	ug/g	Wet Wt	1	3.18	96	NA	ICP - TES	TESICP_02-03-00	0203MIC	1/26/2000	2/3/2000	15:52	
Grazing	EOT99-08	HRL	House Ref. Liver	NA	Animal Tissue	HRL	7440-66-6	Zinc	129	0.330	EDL	ug/g	Wet Wt	1	119	108	NA	ICP - TES	TESICP_02-03-00	0203MIC	1/26/2000	2/3/2000	15:52	

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Grazing	EOT99-08	HRL	House Ref. Liver	NA	Animal Tissue	HRL	7440-43-9	Cadmium	54.03	0.140	EDL	ug/g	Wet Wt	1	54.4	99	NA	ICP - TES	TESICP_02-03-00	0203MIC	1/26/2000	2/3/2000	15:52	
Grazing	EOT99-08	HRL	House Ref. Liver	NA	Animal Tissue	HRL	7439-92-1	Lead	48.01	2.700	EDL	ug/g	Wet Wt	1	47.9	100	NA	ICP - TES	TESICP_02-03-00	0203MIC	1/26/2000	2/3/2000	15:52	
Grazing	EOT99-08	HRL	House Ref. Liver	NA	Animal Tissue	HRL	7440-48-4	Cobalt	44.88	0.570	EDL	ug/g	Wet Wt	1	44.1	102	NA	ICP - TES	TESICP_02-03-00	0203MIC	1/26/2000	2/3/2000	15:52	
Grazing	EOT99-08	HRL	House Ref. Liver	NA	Animal Tissue	HRL	8075-39-6	Manganese	10.75	0.070	EDL	ug/g	Wet Wt	1	10.1	106	NA	ICP - TES	TESICP_02-03-00	0203MIC	1/26/2000	2/3/2000	15:52	
Grazing	EOT99-08	HRL	House Ref. Liver	NA	Animal Tissue	HRL	7439-89-6	Iron	200.3	0.220	EDL	ug/g	Wet Wt	1	183	109	NA	ICP - TES	TESICP_02-03-00	0203MIC	1/26/2000	2/3/2000	15:52	
Grazing	EOT99-08	HRL	House Ref. Liver	NA	Animal Tissue	HRL	7440-47-3	Chromium	32.2	0.500	EDL	ug/g	Wet Wt	1	49.2	65	NA	ICP - TES	TESICP_02-03-00	0203MIC	1/26/2000	2/3/2000	15:52	
Grazing	EOT99-08	HRL	House Ref. Liver	NA	Animal Tissue	HRL	7440-50-8	Copper	149.3	0.520	EDL	ug/g	Wet Wt	1	123	121	NA	ICP - TES	TESICP_02-03-00	0203MIC	1/26/2000	2/3/2000	15:52	
Grazing	EOT99-08	E9901490	P1-1C-G	NA	Grass Mix	Primary	7439-98-7	Molybdenum	12.45	1.100	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_02-03-00	0203MIC	1/26/2000	2/3/2000	16:06	
Grazing	EOT99-08	E9901490	P1-1C-G	NA	Grass Mix	Primary	7440-66-6	Zinc	45.38	0.330	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_02-03-00	0203MIC	1/26/2000	2/3/2000	16:06	
Grazing	EOT99-08	E9901490	P1-1C-G	NA	Grass Mix	Primary	7440-43-9	Cadmium	1.577	0.140	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_02-03-00	0203MIC	1/26/2000	2/3/2000	16:06	
Grazing	EOT99-08	E9901490	P1-1C-G	NA	Grass Mix	Primary	7439-92-1	Lead	-0.1504	2.700	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_02-03-00	0203MIC	1/26/2000	2/3/2000	16:06	
Grazing	EOT99-08	E9901490	P1-1C-G	NA	Grass Mix	Primary	7440-48-4	Cobalt	-0.0257	0.570	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_02-03-00	0203MIC	1/26/2000	2/3/2000	16:06	
Grazing	EOT99-08	E9901490	P1-1C-G	NA	Grass Mix	Primary	7440-02-0	Nickel	0.9772	0.250	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_02-03-00	0203MIC	1/26/2000	2/3/2000	16:06	
Grazing	EOT99-08	E9901490	P1-1C-G	NA	Grass Mix	Primary	8075-39-6	Manganese	24.34	0.070	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_02-03-00	0203MIC	1/26/2000	2/3/2000	16:06	
Grazing	EOT99-08	E9901490	P1-1C-G	NA	Grass Mix	Primary	7439-89-6	Iron	32.36	0.220	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_02-03-00	0203MIC	1/26/2000	2/3/2000	16:06	
Grazing	EOT99-08	E9901490	P1-1C-G	NA	Grass Mix	Primary	7440-47-3	Chromium	0.9803	0.500	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_02-03-00	0203MIC	1/26/2000	2/3/2000	16:06	
Grazing	EOT99-08	E9901490	P1-1C-G	NA	Grass Mix	Primary	7429-90-5	Aluminum	39.21	2.500	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_02-03-00	0203MIC	1/26/2000	2/3/2000	16:06	
Grazing	EOT99-08	E9901490	P1-1C-G	NA	Grass Mix	Primary	7440-62-2	Vanadium	0.7632	0.520	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_02-03-00	0203MIC	1/26/2000	2/3/2000	16:06	
Grazing	EOT99-08	E9901490	P1-1C-G	NA	Grass Mix	Primary	7440-50-8	Copper	4.541	0.520	EDL	ug/g	Wet Wt	1			10/22/1999	ICP - TES	TESICP_02-03-00	0203MIC	1/26/2000	2/3/2000	16:06	
Grazing	EOT99-08	HRA-2	House Ref. Alfalfa	NA	Plant Tissue	HRA	7439-98-7	Molybdenum	1.145	1.100	EDL	ug/g	Wet Wt	1	1.23	93	NA	ICP - TES	TESICP_02-03-00	0203MIC	1/26/2000	2/3/2000	16:10	
Grazing	EOT99-08	HRA-2	House Ref. Alfalfa	NA	Plant Tissue	HRA	7440-66-6	Zinc	24.45	0.330	EDL	ug/g	Wet Wt	1	20.8	118	NA	ICP - TES	TESICP_02-03-00	0203MIC	1/26/2000	2/3/2000	16:10	
Grazing	EOT99-08	HRA-2	House Ref. Alfalfa	NA	Plant Tissue	HRA	7440-02-0	Nickel	1.22	0.250	EDL	ug/g	Wet Wt	1	1.19	103	NA	ICP - TES	TESICP_02-03-00	0203MIC	1/26/2000	2/3/2000	16:10	
Grazing	EOT99-08	HRA-2	House Ref. Alfalfa	NA	Plant Tissue	HRA	8075-39-6	Manganese	37.59	0.070	EDL	ug/g	Wet Wt	1	30.4	124	NA	ICP - TES	TESICP_02-03-00	0203MIC	1/26/2000	2/3/2000	16:10	
Grazing	EOT99-08	HRA-2	House Ref. Alfalfa	NA	Plant Tissue	HRA	7439-89-6	Iron	403.1	0.220	EDL	ug/g	Wet Wt	1	317	127	NA	ICP - TES	TESICP_02-03-00	0203MIC	1/26/2000	2/3/2000	16:10	
Grazing	EOT99-08	HRA-2	House Ref. Alfalfa	NA	Plant Tissue	HRA	7440-47-3	Chromium	0.9122	0.500	EDL	ug/g	Wet Wt	1	1.05	87	NA	ICP - TES	TESICP_02-03-00	0203MIC	1/26/2000	2/3/2000	16:10	
Grazing	EOT99-08	HRA-2	House Ref. Alfalfa	NA	Plant Tissue	HRA	7429-90-5	Aluminum	546.9	2.500	EDL	ug/g	Wet Wt	1	401	136	NA	ICP - TES	TESICP_02-03-00	0203MIC	1/26/2000	2/3/2000	16:10	
Grazing	EOT99-08	HRA-2	House Ref. Alfalfa	NA	Plant Tissue	HRA	7440-62-2	Vanadium	1.151	0.520	EDL	ug/g	Wet Wt	1	1.12	103	NA	ICP - TES	TESICP_02-03-00	0203MIC	1/26/2000	2/3/2000	16:10	
Grazing	EOT99-08	HRA-2	House Ref. Alfalfa	NA	Plant Tissue	HRA	7440-50-8	Copper	9.594	0.520	EDL	ug/g	Wet Wt	1	8.01	120	NA	ICP - TES	TESICP_02-03-00	0203MIC	1/26/2000	2/3/2000	16:10	
Grazing	EOT99-08	HRL-2	House Ref. Liver	NA	Animal Tissue	HRL	7439-98-7	Molybdenum	3.568	1.100	EDL	ug/g	Wet Wt	1	3.18	112	NA	ICP - TES	TESICP_02-03-00	0203MIC	1/26/2000	2/3/2000	16:15	
Grazing	EOT99-08	HRL-2	House Ref. Liver	NA	Animal Tissue	HRL	7440-66-6	Zinc	131.3	0.330	EDL	ug/g	Wet Wt	1	119	110	NA	ICP - TES	TESICP_02-03-00	0203MIC	1/26/2000	2/3/2000	16:15	
Grazing	EOT99-08	HRL-2	House Ref. Liver	NA	Animal Tissue	HRL	7440-43-9	Cadmium	55.25	0.140	EDL	ug/g	Wet Wt	1	54.4	102	NA	ICP - TES	TESICP_02-03-00	0203MIC	1/26/2000	2/3/2000	16:15	
Grazing	EOT99-08	HRL-2	House Ref. Liver	NA	Animal Tissue	HRL	7439-92-1	Lead	47.73	2.700	EDL	ug/g	Wet Wt	1	47.9	100	NA	ICP - TES	TESICP_02-03-00	0203MIC	1/26/2000	2/3/2000	16:15	
Grazing	EOT99-08	HRL-2	House Ref. Liver	NA	Animal Tissue	HRL	7440-48-4	Cobalt	46.38	0.570	EDL	ug/g	Wet Wt	1	44.1	105	NA	ICP - TES	TESICP_02-03-00	0203MIC	1/26/2000	2/3/2000	16:15	
Grazing	EOT99-08	HRL-2	House Ref. Liver	NA	Animal Tissue	HRL	8075-39-6	Manganese	10.85	0.070	EDL	ug/g	Wet Wt	1	10.1	107	NA	ICP - TES	TESICP_02-03-00	0203MIC	1/26/2000	2/3/2000	16:15	
Grazing	EOT99-08	HRL-2	House Ref. Liver	NA	Animal Tissue	HRL	7439-89-6	Iron	202.3	0.220	EDL	ug/g	Wet Wt	1	183	111	NA	ICP - TES	TESICP_02-03-00	0203MIC	1/26/2000	2/3/2000	16:15	
Grazing	EOT99-08	HRL-2	House Ref. Liver	NA	Animal Tissue	HRL	7440-47-3	Chromium	53.9	0.500	EDL	ug/g	Wet Wt	1	49.2	110	NA	ICP - TES	TESICP_02-03-00	0203MIC	1/26/2000	2/3/2000	16:15	
Grazing	EOT99-08	HRL-2	House Ref. Liver	NA	Animal Tissue	HRL	7440-50-8	Copper	149.9	0.520	EDL	ug/g	Wet Wt	1	123	122	NA	ICP - TES	TESICP_02-03-00	0203MIC	1/26/2000	2/3/2000	16:15	
Grazing	EOT99-08	HRL-3	House Ref. Liver	NA	Animal Tissue	HRL	7439-98-7	Molybdenum	3.72	1.100	EDL	ug/g	Wet Wt	1	3.18	117	NA	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	15:11	
Grazing	EOT99-08	HRL-3	House Ref. Liver	NA	Animal Tissue	HRL	7440-66-6	Zinc	143.3	0.330	EDL	ug/g	Wet Wt	1	119	120	NA	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	15:11	
Grazing	EOT99-08	HRL-3	House Ref. Liver	NA	Animal Tissue	HRL	7440-43-9	Cadmium	62.04	0.140	EDL	ug/g	Wet Wt	1	54.4	114	NA	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	15:11	
Grazing	EOT99-08	HRL-3	House Ref. Liver	NA	Animal Tissue	HRL	7439-92-1	Lead	62.47	2.700	EDL	ug/g	Wet Wt	1	47.9	130	NA	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	15:11	
Grazing	EOT99-08	HRL-3	House Ref. Liver	NA	Animal Tissue	HRL	7440-48-4	Cobalt	50.77	0.570	EDL	ug/g	Wet Wt	1	44.1	115	NA	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	15:11	
Grazing	EOT99-08	HRL-3	House Ref. Liver	NA	Animal Tissue	HRL	8075-39-6	Manganese	12.07	0.070	EDL	ug/g	Wet Wt	1	10.1	120	NA	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	15:11	
Grazing	EOT99-08	HRL-3	House Ref. Liver	NA	Animal Tissue	HRL	7439-89-6	Iron	205.4	0.220	EDL	ug/g	Wet Wt	1	183	112	NA	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	15:11	
Grazing	EOT99-08	HRL-3	House Ref. Liver	NA	Animal Tissue	HRL	7440-47-3	Chromium	58.74	0.500	EDL	ug/g	Wet Wt	1	49.2	119	NA	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	15:11	
Grazing	EOT99-08	HRL-3	House Ref. Liver	NA	Animal Tissue	HRL	7440-50-8	Copper	164.2	0.520	EDL	ug/g	Wet Wt	1	123	133	NA	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	15:11	
Grazing	EOT99-08	HRA-3	House Ref. Alfalfa	NA	Plant Tissue	HRA	7439-98-7	Molybdenum	1.123	1.100	EDL	ug/g	Wet Wt	1	1.23	91	NA	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	15:15	
Grazing	EOT99-08	HRA-3	House Ref. Alfalfa	NA	Plant Tissue	HRA	7440-66-6	Zinc	24.94	0.330	EDL	ug/g	Wet Wt	1	20.8	120	NA	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	15:15	
Grazing	EOT99-08	HRA-3	House Ref. Alfalfa	NA	Plant Tissue	HRA	7440-02-0	Nickel	1.196	0.250	EDL	ug/g	Wet Wt	1	1.19	101	NA	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	15:15	
Grazing	EOT99-08	HRA-3	House Ref. Alfalfa	NA	Plant Tissue	HRA	8075-39-6	Manganese	36.52	0.070	EDL	ug/g	Wet Wt	1	30.4	120	NA	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	15:15	
Grazing	EOT99-08	HRA-3	House Ref. Alfalfa	NA	Plant Tissue	HRA	7439-89-6	Iron	372.5	0.220	EDL	ug/g	Wet Wt	1	317	118	NA	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	15:15	
Grazing	EOT99-08	HRA-3	House Ref. Alfalfa	NA	Plant Tissue	HRA	7440-47-3	Chromium	0.7492	0.500	EDL	ug/g	Wet Wt	1	1.05	71	NA	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	15:15	
Grazing	EOT99-08	HRA-3	House Ref. Alfalfa	NA	Plant Tissue	HRA	7429-90-5	Aluminum	492.3	2.500	EDL	ug/g	Wet Wt	1	401	123	NA	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	15:15	
Grazing	EOT99-08	HRA-3	House Ref. Alfalfa	NA	Plant Tissue	HRA	7440-62-2	Vanadium	1.556	0.520	EDL	ug/g	Wet Wt	1	1.12	139	NA	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	15:15	
Grazing	EOT99-08	HRA-3	House Ref. Alfalfa	NA	Plant Tissue	HRA	7440-50-8	Copper	9.934	0.520	EDL	ug/g	Wet Wt	1	8.01	124	NA	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	15:15	
Grazing	EOT99-08	E9901491	P1-1C-A	NA	Alfalfa	Primary	7439-98-7	Molybdenum	14.99	1.100	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:18	
Grazing	EOT99-08	E9901491	P1-1C-A	NA	Alfalfa	Primary	7440-66-6	Zinc	58.52	0.330	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:18	
Grazing	EOT99-08	E9901491	P1-1C-A	NA	Alfalfa	Primary	7440-43-9	Cadmium	2.881	0.140	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:18	

ATTACHMENT A
MWH EDD - 1999 - 2000 CATTLE TISSUE AND BLOOD DATA

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Grazing	EOT99-08	E9901491	P1-1C-A	NA	Alfalfa	Primary	7439-92-1	Lead	1.414	2.700	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:18	
Grazing	EOT99-08	E9901491	P1-1C-A	NA	Alfalfa	Primary	7440-48-4	Cobalt	0.0606	0.570	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:18	
Grazing	EOT99-08	E9901491	P1-1C-A	NA	Alfalfa	Primary	7440-02-0	Nickel	6.106	0.250	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:18	
Grazing	EOT99-08	E9901491	P1-1C-A	NA	Alfalfa	Primary	8075-39-6	Manganese	20.64	0.070	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:18	
Grazing	EOT99-08	E9901491	P1-1C-A	NA	Alfalfa	Primary	7439-89-6	Iron	66.9	0.220	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:18	
Grazing	EOT99-08	E9901491	P1-1C-A	NA	Alfalfa	Primary	7440-47-3	Chromium	1.2	0.500	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:18	
Grazing	EOT99-08	E9901491	P1-1C-A	NA	Alfalfa	Primary	7429-90-5	Aluminum	36.73	2.500	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:18	
Grazing	EOT99-08	E9901491	P1-1C-A	NA	Alfalfa	Primary	7440-62-2	Vanadium	0.9381	0.520	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:18	
Grazing	EOT99-08	E9901491	P1-1C-A	NA	Alfalfa	Primary	7440-50-8	Copper	8.171	0.520	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:18	
Grazing	EOT99-08	E9901492	P1-2C-G	NA	Grass Mix	Primary	7439-98-7	Molybdenum	13.24	1.100	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:23	
Grazing	EOT99-08	E9901492	P1-2C-G	NA	Grass Mix	Primary	7440-66-6	Zinc	43.69	0.330	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:23	
Grazing	EOT99-08	E9901492	P1-2C-G	NA	Grass Mix	Primary	7440-43-9	Cadmium	1.009	0.140	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:23	
Grazing	EOT99-08	E9901492	P1-2C-G	NA	Grass Mix	Primary	7439-92-1	Lead	2.754	2.700	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:23	
Grazing	EOT99-08	E9901492	P1-2C-G	NA	Grass Mix	Primary	7440-48-4	Cobalt	-0.0267	0.570	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:23	
Grazing	EOT99-08	E9901492	P1-2C-G	NA	Grass Mix	Primary	7440-02-0	Nickel	0.3202	0.250	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:23	
Grazing	EOT99-08	E9901492	P1-2C-G	NA	Grass Mix	Primary	8075-39-6	Manganese	18.31	0.070	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:23	
Grazing	EOT99-08	E9901492	P1-2C-G	NA	Grass Mix	Primary	7439-89-6	Iron	34.35	0.220	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:23	
Grazing	EOT99-08	E9901492	P1-2C-G	NA	Grass Mix	Primary	7440-47-3	Chromium	0.4407	0.500	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:23	
Grazing	EOT99-08	E9901492	P1-2C-G	NA	Grass Mix	Primary	7429-90-5	Aluminum	30.78	2.500	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:23	
Grazing	EOT99-08	E9901492	P1-2C-G	NA	Grass Mix	Primary	7440-62-2	Vanadium	0.6497	0.520	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:23	
Grazing	EOT99-08	E9901492	P1-2C-G	NA	Grass Mix	Primary	7440-50-8	Copper	5.301	0.520	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:23	
Grazing	EOT99-08	E9901493	P1-2C-A	NA	Alfalfa	Primary	7439-98-7	Molybdenum	18.79	1.100	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:27	
Grazing	EOT99-08	E9901493	P1-2C-A	NA	Alfalfa	Primary	7440-66-6	Zinc	47.02	0.330	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:27	
Grazing	EOT99-08	E9901493	P1-2C-A	NA	Alfalfa	Primary	7440-43-9	Cadmium	1.949	0.140	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:27	
Grazing	EOT99-08	E9901493	P1-2C-A	NA	Alfalfa	Primary	7439-92-1	Lead	0.5708	2.700	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:27	
Grazing	EOT99-08	E9901493	P1-2C-A	NA	Alfalfa	Primary	7440-48-4	Cobalt	-0.0699	0.570	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:27	
Grazing	EOT99-08	E9901493	P1-2C-A	NA	Alfalfa	Primary	7440-02-0	Nickel	6.393	0.250	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:27	
Grazing	EOT99-08	E9901493	P1-2C-A	NA	Alfalfa	Primary	8075-39-6	Manganese	19.42	0.070	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:27	
Grazing	EOT99-08	E9901493	P1-2C-A	NA	Alfalfa	Primary	7439-89-6	Iron	36	0.220	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:27	
Grazing	EOT99-08	E9901493	P1-2C-A	NA	Alfalfa	Primary	7440-47-3	Chromium	0.7051	0.500	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:27	
Grazing	EOT99-08	E9901493	P1-2C-A	NA	Alfalfa	Primary	7429-90-5	Aluminum	28.44	2.500	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:27	
Grazing	EOT99-08	E9901493	P1-2C-A	NA	Alfalfa	Primary	7440-62-2	Vanadium	0.5867	0.520	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:27	
Grazing	EOT99-08	E9901493	P1-2C-A	NA	Alfalfa	Primary	7440-50-8	Copper	6.99	0.520	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:27	
Grazing	EOT99-08	E9901494	P1-3C-G	NA	Grass Mix	Primary	7439-98-7	Molybdenum	34.74	1.100	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:32	
Grazing	EOT99-08	E9901494	P1-3C-G	NA	Grass Mix	Primary	7440-66-6	Zinc	39.5	0.330	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:32	
Grazing	EOT99-08	E9901494	P1-3C-G	NA	Grass Mix	Primary	7440-43-9	Cadmium	1.1	0.140	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:32	
Grazing	EOT99-08	E9901494	P1-3C-G	NA	Grass Mix	Primary	7439-92-1	Lead	1.117	2.700	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:32	
Grazing	EOT99-08	E9901494	P1-3C-G	NA	Grass Mix	Primary	7440-48-4	Cobalt	0.0049	0.570	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:32	
Grazing	EOT99-08	E9901494	P1-3C-G	NA	Grass Mix	Primary	7440-02-0	Nickel	0.5258	0.250	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:32	
Grazing	EOT99-08	E9901494	P1-3C-G	NA	Grass Mix	Primary	8075-39-6	Manganese	33.09	0.070	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:32	
Grazing	EOT99-08	E9901494	P1-3C-G	NA	Grass Mix	Primary	7439-89-6	Iron	35.96	0.220	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:32	
Grazing	EOT99-08	E9901494	P1-3C-G	NA	Grass Mix	Primary	7440-47-3	Chromium	0.401	0.500	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:32	
Grazing	EOT99-08	E9901494	P1-3C-G	NA	Grass Mix	Primary	7429-90-5	Aluminum	26.52	2.500	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:32	
Grazing	EOT99-08	E9901494	P1-3C-G	NA	Grass Mix	Primary	7440-62-2	Vanadium	0.6996	0.520	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:32	
Grazing	EOT99-08	E9901494	P1-3C-G	NA	Grass Mix	Primary	7440-50-8	Copper	5.544	0.520	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:32	
Grazing	EOT99-08	E9901495	P1-3C-A	NA	Alfalfa	Primary	7439-98-7	Molybdenum	11.31	1.100	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:36	
Grazing	EOT99-08	E9901495	P1-3C-A	NA	Alfalfa	Primary	7440-66-6	Zinc	32.91	0.330	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:36	
Grazing	EOT99-08	E9901495	P1-3C-A	NA	Alfalfa	Primary	7440-43-9	Cadmium	1.625	0.140	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:36	
Grazing	EOT99-08	E9901495	P1-3C-A	NA	Alfalfa	Primary	7439-92-1	Lead	1.519	2.700	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:36	
Grazing	EOT99-08	E9901495	P1-3C-A	NA	Alfalfa	Primary	7440-48-4	Cobalt	0.1001	0.570	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:36	
Grazing	EOT99-08	E9901495	P1-3C-A	NA	Alfalfa	Primary	7440-02-0	Nickel	4.604	0.250	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:36	
Grazing	EOT99-08	E9901495	P1-3C-A	NA	Alfalfa	Primary	8075-39-6	Manganese	20.93	0.070	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:36	
Grazing	EOT99-08	E9901495	P1-3C-A	NA	Alfalfa	Primary	7439-89-6	Iron	35.39	0.220	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:36	
Grazing	EOT99-08	E9901495	P1-3C-A	NA	Alfalfa	Primary	7440-47-3	Chromium	0.122	0.500	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:36	
Grazing	EOT99-08	E9901495	P1-3C-A	NA	Alfalfa	Primary	7429-90-5	Aluminum	19.37	2.500	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:36	
Grazing	EOT99-08	E9901495	P1-3C-A	NA	Alfalfa	Primary	7440-62-2	Vanadium	0.6151	0.520	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:36	
Grazing	EOT99-08	E9901495	P1-3C-A	NA	Alfalfa	Primary	7440-50-8	Copper	5.788	0.520	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:36	
Grazing	EOT99-08	E9901495D	P1-3C-A	NA	Alfalfa	Primary	7439-98-7	Molybdenum	10.67	1.100	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:41	

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Grazing	EOT99-08	E9901495D	P1-3C-A	NA	Alfalfa	Primary	7440-66-6	Zinc	33.17	0.330	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:41	
Grazing	EOT99-08	E9901495D	P1-3C-A	NA	Alfalfa	Primary	7440-43-9	Cadmium	1.595	0.140	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:41	
Grazing	EOT99-08	E9901495D	P1-3C-A	NA	Alfalfa	Primary	7439-92-1	Lead	1.416	2.700	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:41	
Grazing	EOT99-08	E9901495D	P1-3C-A	NA	Alfalfa	Primary	7440-48-4	Cobalt	-0.0928	0.570	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:41	
Grazing	EOT99-08	E9901495D	P1-3C-A	NA	Alfalfa	Primary	7440-02-0	Nickel	3.991	0.250	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:41	
Grazing	EOT99-08	E9901495D	P1-3C-A	NA	Alfalfa	Primary	8075-39-6	Manganese	15.53	0.070	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:41	
Grazing	EOT99-08	E9901495D	P1-3C-A	NA	Alfalfa	Primary	7439-89-6	Iron	32.27	0.220	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:41	
Grazing	EOT99-08	E9901495D	P1-3C-A	NA	Alfalfa	Primary	7440-47-3	Chromium	0.0557	0.500	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:41	
Grazing	EOT99-08	E9901495D	P1-3C-A	NA	Alfalfa	Primary	7429-90-5	Aluminum	18.47	2.500	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:41	
Grazing	EOT99-08	E9901495D	P1-3C-A	NA	Alfalfa	Primary	7440-62-2	Vanadium	0.4691	0.520	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:41	
Grazing	EOT99-08	E9901495D	P1-3C-A	NA	Alfalfa	Primary	7440-50-8	Copper	5.272	0.520	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:41	
Grazing	EOT99-08	E9901496	P1-4C-G	NA	Grass Mix	Primary	7439-98-7	Molybdenum	9.875	1.100	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:45	
Grazing	EOT99-08	E9901496	P1-4C-G	NA	Grass Mix	Primary	7440-66-6	Zinc	33.83	0.330	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:45	
Grazing	EOT99-08	E9901496	P1-4C-G	NA	Grass Mix	Primary	7440-43-9	Cadmium	0.4782	0.140	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:45	
Grazing	EOT99-08	E9901496	P1-4C-G	NA	Grass Mix	Primary	7439-92-1	Lead	1.006	2.700	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:45	
Grazing	EOT99-08	E9901496	P1-4C-G	NA	Grass Mix	Primary	7440-48-4	Cobalt	0.0224	0.570	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:45	
Grazing	EOT99-08	E9901496	P1-4C-G	NA	Grass Mix	Primary	7440-02-0	Nickel	0.2009	0.250	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:45	
Grazing	EOT99-08	E9901496	P1-4C-G	NA	Grass Mix	Primary	8075-39-6	Manganese	33.56	0.070	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:45	
Grazing	EOT99-08	E9901496	P1-4C-G	NA	Grass Mix	Primary	7439-89-6	Iron	33.97	0.220	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:45	
Grazing	EOT99-08	E9901496	P1-4C-G	NA	Grass Mix	Primary	7440-47-3	Chromium	0.083	0.500	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:45	
Grazing	EOT99-08	E9901496	P1-4C-G	NA	Grass Mix	Primary	7429-90-5	Aluminum	22.53	2.500	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:45	
Grazing	EOT99-08	E9901496	P1-4C-G	NA	Grass Mix	Primary	7440-62-2	Vanadium	0.6134	0.520	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:45	
Grazing	EOT99-08	E9901496	P1-4C-G	NA	Grass Mix	Primary	7440-50-8	Copper	5.45	0.520	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:45	
Grazing	EOT99-08	E9901497	P1-4C-A	NA	Alfalfa	Primary	7439-98-7	Molybdenum	1.373	1.100	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:50	
Grazing	EOT99-08	E9901497	P1-4C-A	NA	Alfalfa	Primary	7440-66-6	Zinc	49.11	0.330	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:50	
Grazing	EOT99-08	E9901497	P1-4C-A	NA	Alfalfa	Primary	7440-43-9	Cadmium	2.383	0.140	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:50	
Grazing	EOT99-08	E9901497	P1-4C-A	NA	Alfalfa	Primary	7439-92-1	Lead	-0.9343	2.700	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:50	
Grazing	EOT99-08	E9901497	P1-4C-A	NA	Alfalfa	Primary	7440-48-4	Cobalt	0.258	0.570	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:50	
Grazing	EOT99-08	E9901497	P1-4C-A	NA	Alfalfa	Primary	7440-02-0	Nickel	8.876	0.250	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:50	
Grazing	EOT99-08	E9901497	P1-4C-A	NA	Alfalfa	Primary	8075-39-6	Manganese	39.23	0.070	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:50	
Grazing	EOT99-08	E9901497	P1-4C-A	NA	Alfalfa	Primary	7439-89-6	Iron	37.1	0.220	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:50	
Grazing	EOT99-08	E9901497	P1-4C-A	NA	Alfalfa	Primary	7440-47-3	Chromium	-0.0712	0.500	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:50	
Grazing	EOT99-08	E9901497	P1-4C-A	NA	Alfalfa	Primary	7429-90-5	Aluminum	13.24	2.500	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:50	
Grazing	EOT99-08	E9901497	P1-4C-A	NA	Alfalfa	Primary	7440-62-2	Vanadium	0.5892	0.520	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:50	
Grazing	EOT99-08	E9901497	P1-4C-A	NA	Alfalfa	Primary	7440-50-8	Copper	7.445	0.520	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:50	
Grazing	EOT99-08	E9901498	P1-5C-A	NA	Alfalfa	Primary	7439-98-7	Molybdenum	6.18	1.100	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:59	
Grazing	EOT99-08	E9901498	P1-5C-A	NA	Alfalfa	Primary	7440-66-6	Zinc	42.86	0.330	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:59	
Grazing	EOT99-08	E9901498	P1-5C-A	NA	Alfalfa	Primary	7440-43-9	Cadmium	2.332	0.140	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:59	
Grazing	EOT99-08	E9901498	P1-5C-A	NA	Alfalfa	Primary	7439-92-1	Lead	1.006	2.700	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:59	
Grazing	EOT99-08	E9901498	P1-5C-A	NA	Alfalfa	Primary	7440-48-4	Cobalt	0.1636	0.570	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:59	
Grazing	EOT99-08	E9901498	P1-5C-A	NA	Alfalfa	Primary	7440-02-0	Nickel	4.2	0.250	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:59	
Grazing	EOT99-08	E9901498	P1-5C-A	NA	Alfalfa	Primary	8075-39-6	Manganese	15.01	0.070	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:59	
Grazing	EOT99-08	E9901498	P1-5C-A	NA	Alfalfa	Primary	7439-89-6	Iron	41.77	0.220	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:59	
Grazing	EOT99-08	E9901498	P1-5C-A	NA	Alfalfa	Primary	7440-47-3	Chromium	0.1613	0.500	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:59	
Grazing	EOT99-08	E9901498	P1-5C-A	NA	Alfalfa	Primary	7429-90-5	Aluminum	13.82	2.500	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:59	
Grazing	EOT99-08	E9901498	P1-5C-A	NA	Alfalfa	Primary	7440-62-2	Vanadium	0.4607	0.520	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:59	
Grazing	EOT99-08	E9901498	P1-5C-A	NA	Alfalfa	Primary	7440-50-8	Copper	5.169	0.520	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	16:59	
Grazing	EOT99-08	E9901499	P2-1C-G	NA	Grass Mix	Primary	7439-98-7	Molybdenum	14.47	1.100	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:03	
Grazing	EOT99-08	E9901499	P2-1C-G	NA	Grass Mix	Primary	7440-66-6	Zinc	79.28	0.330	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:03	
Grazing	EOT99-08	E9901499	P2-1C-G	NA	Grass Mix	Primary	7440-43-9	Cadmium	0.1667	0.140	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:03	
Grazing	EOT99-08	E9901499	P2-1C-G	NA	Grass Mix	Primary	7439-92-1	Lead	1.245	2.700	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:03	
Grazing	EOT99-08	E9901499	P2-1C-G	NA	Grass Mix	Primary	7440-48-4	Cobalt	-0.028	0.570	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:03	
Grazing	EOT99-08	E9901499	P2-1C-G	NA	Grass Mix	Primary	7440-02-0	Nickel	2.206	0.250	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:03	
Grazing	EOT99-08	E9901499	P2-1C-G	NA	Grass Mix	Primary	8075-39-6	Manganese	22.26	0.070	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:03	
Grazing	EOT99-08	E9901499	P2-1C-G	NA	Grass Mix	Primary	7439-89-6	Iron	38.65	0.220	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:03	
Grazing	EOT99-08	E9901499	P2-1C-G	NA	Grass Mix	Primary	7440-47-3	Chromium	0.3651	0.500	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:03	
Grazing	EOT99-08	E9901499	P2-1C-G	NA	Grass Mix	Primary	7429-90-5	Aluminum	28.27	2.500	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:03	
Grazing	EOT99-08	E9901499	P2-1C-G	NA	Grass Mix	Primary	7440-62-2	Vanadium	0.5214	0.520	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:03	

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Grazing	EOT99-08	E9901499	P2-1C-G	NA	Grass Mix	Primary	7440-50-8	Copper	5.379	0.520	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:03	
Grazing	EOT99-08	E9901500	P2-1C-A	NA	Alfalfa	Primary	7439-98-7	Molybdenum	31.08	1.100	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:08	
Grazing	EOT99-08	E9901500	P2-1C-A	NA	Alfalfa	Primary	7440-66-6	Zinc	47.8	0.330	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:08	
Grazing	EOT99-08	E9901500	P2-1C-A	NA	Alfalfa	Primary	7440-43-9	Cadmium	1.243	0.140	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:08	
Grazing	EOT99-08	E9901500	P2-1C-A	NA	Alfalfa	Primary	7439-92-1	Lead	1.057	2.700	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:08	
Grazing	EOT99-08	E9901500	P2-1C-A	NA	Alfalfa	Primary	7440-48-4	Cobalt	-0.1052	0.570	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:08	
Grazing	EOT99-08	E9901500	P2-1C-A	NA	Alfalfa	Primary	7440-02-0	Nickel	9.913	0.250	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:08	
Grazing	EOT99-08	E9901500	P2-1C-A	NA	Alfalfa	Primary	8075-39-6	Manganese	10.8	0.070	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:08	
Grazing	EOT99-08	E9901500	P2-1C-A	NA	Alfalfa	Primary	7439-89-6	Iron	38.6	0.220	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:08	
Grazing	EOT99-08	E9901500	P2-1C-A	NA	Alfalfa	Primary	7440-47-3	Chromium	-0.0395	0.500	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:08	
Grazing	EOT99-08	E9901500	P2-1C-A	NA	Alfalfa	Primary	7429-90-5	Aluminum	18.88	2.500	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:08	
Grazing	EOT99-08	E9901500	P2-1C-A	NA	Alfalfa	Primary	7440-62-2	Vanadium	0.4805	0.520	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:08	
Grazing	EOT99-08	E9901500	P2-1C-A	NA	Alfalfa	Primary	7440-50-8	Copper	4.466	0.520	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:08	
Grazing	EOT99-08	E9901501	P2-2C-G	NA	Grass Mix	Primary	7439-98-7	Molybdenum	6.607	1.100	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:12	
Grazing	EOT99-08	E9901501	P2-2C-G	NA	Grass Mix	Primary	7440-66-6	Zinc	58.02	0.330	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:12	
Grazing	EOT99-08	E9901501	P2-2C-G	NA	Grass Mix	Primary	7440-43-9	Cadmium	0.3464	0.140	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:12	
Grazing	EOT99-08	E9901501	P2-2C-G	NA	Grass Mix	Primary	7439-92-1	Lead	0.6738	2.700	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:12	
Grazing	EOT99-08	E9901501	P2-2C-G	NA	Grass Mix	Primary	7440-48-4	Cobalt	0.0553	0.570	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:12	
Grazing	EOT99-08	E9901501	P2-2C-G	NA	Grass Mix	Primary	7440-02-0	Nickel	0.446	0.250	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:12	
Grazing	EOT99-08	E9901501	P2-2C-G	NA	Grass Mix	Primary	8075-39-6	Manganese	25.91	0.070	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:12	
Grazing	EOT99-08	E9901501	P2-2C-G	NA	Grass Mix	Primary	7439-89-6	Iron	35.3	0.220	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:12	
Grazing	EOT99-08	E9901501	P2-2C-G	NA	Grass Mix	Primary	7440-47-3	Chromium	0.5153	0.500	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:12	
Grazing	EOT99-08	E9901501	P2-2C-G	NA	Grass Mix	Primary	7429-90-5	Aluminum	22.61	2.500	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:12	
Grazing	EOT99-08	E9901501	P2-2C-G	NA	Grass Mix	Primary	7440-62-2	Vanadium	0.5396	0.520	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:12	
Grazing	EOT99-08	E9901501	P2-2C-G	NA	Grass Mix	Primary	7440-50-8	Copper	4.785	0.520	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:12	
Grazing	EOT99-08	E9901502	P2-2C-A	NA	Alfalfa	Primary	7439-98-7	Molybdenum	12.68	1.100	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:17	
Grazing	EOT99-08	E9901502	P2-2C-A	NA	Alfalfa	Primary	7440-66-6	Zinc	179.5	0.330	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:17	
Grazing	EOT99-08	E9901502	P2-2C-A	NA	Alfalfa	Primary	7440-43-9	Cadmium	1.778	0.140	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:17	
Grazing	EOT99-08	E9901502	P2-2C-A	NA	Alfalfa	Primary	7439-92-1	Lead	2.254	2.700	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:17	
Grazing	EOT99-08	E9901502	P2-2C-A	NA	Alfalfa	Primary	7440-48-4	Cobalt	0.0121	0.570	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:17	
Grazing	EOT99-08	E9901502	P2-2C-A	NA	Alfalfa	Primary	7440-02-0	Nickel	6.344	0.250	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:17	
Grazing	EOT99-08	E9901502	P2-2C-A	NA	Alfalfa	Primary	8075-39-6	Manganese	14.3	0.070	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:17	
Grazing	EOT99-08	E9901502	P2-2C-A	NA	Alfalfa	Primary	7439-89-6	Iron	39.57	0.220	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:17	
Grazing	EOT99-08	E9901502	P2-2C-A	NA	Alfalfa	Primary	7440-47-3	Chromium	0.1611	0.500	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:17	
Grazing	EOT99-08	E9901502	P2-2C-A	NA	Alfalfa	Primary	7429-90-5	Aluminum	15.75	2.500	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:17	
Grazing	EOT99-08	E9901502	P2-2C-A	NA	Alfalfa	Primary	7440-62-2	Vanadium	0.5271	0.520	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:17	
Grazing	EOT99-08	E9901502	P2-2C-A	NA	Alfalfa	Primary	7440-50-8	Copper	5.202	0.520	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:17	
Grazing	EOT99-08	HRL-4	House Ref. Liver	NA	Animal Tissue	HRL	7439-98-7	Molybdenum	3.647	1.100	EDL	ug/g	Wet Wt	1	3.18	115	NA	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:21	
Grazing	EOT99-08	HRL-4	House Ref. Liver	NA	Animal Tissue	HRL	7440-66-6	Zinc	133.3	0.330	EDL	ug/g	Wet Wt	1	119	112	NA	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:21	
Grazing	EOT99-08	HRL-4	House Ref. Liver	NA	Animal Tissue	HRL	7440-43-9	Cadmium	58.79	0.140	EDL	ug/g	Wet Wt	1	54.4	108	NA	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:21	
Grazing	EOT99-08	HRL-4	House Ref. Liver	NA	Animal Tissue	HRL	7439-92-1	Lead	52.23	2.700	EDL	ug/g	Wet Wt	1	47.9	109	NA	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:21	
Grazing	EOT99-08	HRL-4	House Ref. Liver	NA	Animal Tissue	HRL	7440-48-4	Cobalt	48.22	0.570	EDL	ug/g	Wet Wt	1	44.1	109	NA	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:21	
Grazing	EOT99-08	HRL-4	House Ref. Liver	NA	Animal Tissue	HRL	8075-39-6	Manganese	11.68	0.070	EDL	ug/g	Wet Wt	1	10.1	116	NA	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:21	
Grazing	EOT99-08	HRL-4	House Ref. Liver	NA	Animal Tissue	HRL	7439-89-6	Iron	191.7	0.220	EDL	ug/g	Wet Wt	1	183	105	NA	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:21	
Grazing	EOT99-08	HRL-4	House Ref. Liver	NA	Animal Tissue	HRL	7440-47-3	Chromium	24.29	0.500	EDL	ug/g	Wet Wt	1	49.2	49	NA	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:21	
Grazing	EOT99-08	HRL-4	House Ref. Liver	NA	Animal Tissue	HRL	7440-50-8	Copper	141.5	0.520	EDL	ug/g	Wet Wt	1	123	115	NA	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:21	
Grazing	EOT99-08	HRA-4	House Ref. Alfalfa	NA	Plant Tissue	HRA	7439-98-7	Molybdenum	1.673	1.100	EDL	ug/g	Wet Wt	1	1.23	136	NA	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:26	
Grazing	EOT99-08	HRA-4	House Ref. Alfalfa	NA	Plant Tissue	HRA	7440-66-6	Zinc	25.43	0.330	EDL	ug/g	Wet Wt	1	20.8	122	NA	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:26	
Grazing	EOT99-08	HRA-4	House Ref. Alfalfa	NA	Plant Tissue	HRA	7440-02-0	Nickel	1.189	0.250	EDL	ug/g	Wet Wt	1	1.19	100	NA	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:26	
Grazing	EOT99-08	HRA-4	House Ref. Alfalfa	NA	Plant Tissue	HRA	8075-39-6	Manganese	35.27	0.070	EDL	ug/g	Wet Wt	1	30.4	116	NA	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:26	
Grazing	EOT99-08	HRA-4	House Ref. Alfalfa	NA	Plant Tissue	HRA	7439-89-6	Iron	331.5	0.220	EDL	ug/g	Wet Wt	1	317	105	NA	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:26	
Grazing	EOT99-08	HRA-4	House Ref. Alfalfa	NA	Plant Tissue	HRA	7440-47-3	Chromium	0.6099	0.500	EDL	ug/g	Wet Wt	1	1.05	58	NA	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:26	
Grazing	EOT99-08	HRA-4	House Ref. Alfalfa	NA	Plant Tissue	HRA	7429-90-5	Aluminum	490.4	2.500	EDL	ug/g	Wet Wt	1	401	122	NA	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:26	
Grazing	EOT99-08	HRA-4	House Ref. Alfalfa	NA	Plant Tissue	HRA	7440-62-2	Vanadium	1.233	0.520	EDL	ug/g	Wet Wt	1	1.12	110	NA	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:26	
Grazing	EOT99-08	HRA-4	House Ref. Alfalfa	NA	Plant Tissue	HRA	7440-50-8	Copper	9.666	0.520	EDL	ug/g	Wet Wt	1	8.01	121	NA	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:26	
Grazing	EOT99-08	E9901503	P2-3C-G	NA	Grass Mix	Primary	7439-98-7	Molybdenum	5.246	1.100	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:30	
Grazing	EOT99-08	E9901503	P2-3C-G	NA	Grass Mix	Primary	7440-66-6	Zinc	99.07	0.330	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:30	
Grazing	EOT99-08	E9901503	P2-3C-G	NA	Grass Mix	Primary	7440-43-9	Cadmium	0.8498	0.140	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:30	

ATTACHMENT A
MWH EDD - 1999 - 2000 CATTLE TISSUE AND BLOOD DATA

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Grazing	EOT99-08	E9901503	P2-3C-G	NA	Grass Mix	Primary	7439-92-1	Lead	0.8667	2.700	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:30	
Grazing	EOT99-08	E9901503	P2-3C-G	NA	Grass Mix	Primary	7440-48-4	Cobalt	-0.0371	0.570	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:30	
Grazing	EOT99-08	E9901503	P2-3C-G	NA	Grass Mix	Primary	7440-02-0	Nickel	0.8589	0.250	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:30	
Grazing	EOT99-08	E9901503	P2-3C-G	NA	Grass Mix	Primary	8075-39-6	Manganese	26.03	0.070	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:30	
Grazing	EOT99-08	E9901503	P2-3C-G	NA	Grass Mix	Primary	7439-89-6	Iron	61.51	0.220	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:30	
Grazing	EOT99-08	E9901503	P2-3C-G	NA	Grass Mix	Primary	7440-47-3	Chromium	1.558	0.500	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:30	
Grazing	EOT99-08	E9901503	P2-3C-G	NA	Grass Mix	Primary	7429-90-5	Aluminum	42.8	2.500	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:30	
Grazing	EOT99-08	E9901503	P2-3C-G	NA	Grass Mix	Primary	7440-62-2	Vanadium	1.948	0.520	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:30	
Grazing	EOT99-08	E9901503	P2-3C-G	NA	Grass Mix	Primary	7440-50-8	Copper	4.87	0.520	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:30	
Grazing	EOT99-08	E9901504	P2-3C-A	NA	Alfalfa	Primary	7439-98-7	Molybdenum	10.43	1.100	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:36	
Grazing	EOT99-08	E9901504	P2-3C-A	NA	Alfalfa	Primary	7440-66-6	Zinc	68.44	0.330	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:36	
Grazing	EOT99-08	E9901504	P2-3C-A	NA	Alfalfa	Primary	7440-43-9	Cadmium	1.575	0.140	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:36	
Grazing	EOT99-08	E9901504	P2-3C-A	NA	Alfalfa	Primary	7439-92-1	Lead	1.95	2.700	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:36	
Grazing	EOT99-08	E9901504	P2-3C-A	NA	Alfalfa	Primary	7440-48-4	Cobalt	0.0011	0.570	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:36	
Grazing	EOT99-08	E9901504	P2-3C-A	NA	Alfalfa	Primary	7440-02-0	Nickel	12.62	0.250	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:36	
Grazing	EOT99-08	E9901504	P2-3C-A	NA	Alfalfa	Primary	8075-39-6	Manganese	16.94	0.070	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:36	
Grazing	EOT99-08	E9901504	P2-3C-A	NA	Alfalfa	Primary	7439-89-6	Iron	41.68	0.220	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:36	
Grazing	EOT99-08	E9901504	P2-3C-A	NA	Alfalfa	Primary	7440-47-3	Chromium	0.4043	0.500	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:36	
Grazing	EOT99-08	E9901504	P2-3C-A	NA	Alfalfa	Primary	7429-90-5	Aluminum	15.98	2.500	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:36	
Grazing	EOT99-08	E9901504	P2-3C-A	NA	Alfalfa	Primary	7440-62-2	Vanadium	0.5501	0.520	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:36	
Grazing	EOT99-08	E9901504	P2-3C-A	NA	Alfalfa	Primary	7440-50-8	Copper	4.666	0.520	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:36	
Grazing	EOT99-08	E9901505	P2-4C-A	NA	Alfalfa	Primary	7439-98-7	Molybdenum	16.1	1.100	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:40	
Grazing	EOT99-08	E9901505	P2-4C-A	NA	Alfalfa	Primary	7440-66-6	Zinc	47.88	0.330	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:40	
Grazing	EOT99-08	E9901505	P2-4C-A	NA	Alfalfa	Primary	7440-43-9	Cadmium	1.298	0.140	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:40	
Grazing	EOT99-08	E9901505	P2-4C-A	NA	Alfalfa	Primary	7439-92-1	Lead	0.3974	2.700	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:40	
Grazing	EOT99-08	E9901505	P2-4C-A	NA	Alfalfa	Primary	7440-48-4	Cobalt	0.2065	0.570	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:40	
Grazing	EOT99-08	E9901505	P2-4C-A	NA	Alfalfa	Primary	7440-02-0	Nickel	5.542	0.250	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:40	
Grazing	EOT99-08	E9901505	P2-4C-A	NA	Alfalfa	Primary	8075-39-6	Manganese	11.69	0.070	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:40	
Grazing	EOT99-08	E9901505	P2-4C-A	NA	Alfalfa	Primary	7439-89-6	Iron	37.03	0.220	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:40	
Grazing	EOT99-08	E9901505	P2-4C-A	NA	Alfalfa	Primary	7440-47-3	Chromium	0.7184	0.500	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:40	
Grazing	EOT99-08	E9901505	P2-4C-A	NA	Alfalfa	Primary	7429-90-5	Aluminum	18.36	2.500	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:40	
Grazing	EOT99-08	E9901505	P2-4C-A	NA	Alfalfa	Primary	7440-62-2	Vanadium	0.6165	0.520	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:40	
Grazing	EOT99-08	E9901505	P2-4C-A	NA	Alfalfa	Primary	7440-50-8	Copper	4.424	0.520	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:40	
Grazing	EOT99-08	E9901506	P2-5C-G	NA	Grass Mix	Primary	7439-98-7	Molybdenum	6.512	1.100	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:45	
Grazing	EOT99-08	E9901506	P2-5C-G	NA	Grass Mix	Primary	7440-66-6	Zinc	71.68	0.330	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:45	
Grazing	EOT99-08	E9901506	P2-5C-G	NA	Grass Mix	Primary	7440-43-9	Cadmium	2.243	0.140	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:45	
Grazing	EOT99-08	E9901506	P2-5C-G	NA	Grass Mix	Primary	7439-92-1	Lead	1.425	2.700	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:45	
Grazing	EOT99-08	E9901506	P2-5C-G	NA	Grass Mix	Primary	7440-48-4	Cobalt	0.0304	0.570	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:45	
Grazing	EOT99-08	E9901506	P2-5C-G	NA	Grass Mix	Primary	7440-02-0	Nickel	1.174	0.250	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:45	
Grazing	EOT99-08	E9901506	P2-5C-G	NA	Grass Mix	Primary	8075-39-6	Manganese	28.94	0.070	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:45	
Grazing	EOT99-08	E9901506	P2-5C-G	NA	Grass Mix	Primary	7439-89-6	Iron	31.58	0.220	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:45	
Grazing	EOT99-08	E9901506	P2-5C-G	NA	Grass Mix	Primary	7440-47-3	Chromium	0.3903	0.500	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:45	
Grazing	EOT99-08	E9901506	P2-5C-G	NA	Grass Mix	Primary	7429-90-5	Aluminum	18.14	2.500	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:45	
Grazing	EOT99-08	E9901506	P2-5C-G	NA	Grass Mix	Primary	7440-62-2	Vanadium	0.6305	0.520	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:45	
Grazing	EOT99-08	E9901506	P2-5C-G	NA	Grass Mix	Primary	7440-50-8	Copper	5.335	0.520	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:45	
Grazing	EOT99-08	E9901507	P2-5C-A	NA	Alfalfa	Primary	7439-98-7	Molybdenum	9.069	1.100	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:49	
Grazing	EOT99-08	E9901507	P2-5C-A	NA	Alfalfa	Primary	7440-66-6	Zinc	48.2	0.330	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:49	
Grazing	EOT99-08	E9901507	P2-5C-A	NA	Alfalfa	Primary	7440-43-9	Cadmium	1.171	0.140	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:49	
Grazing	EOT99-08	E9901507	P2-5C-A	NA	Alfalfa	Primary	7439-92-1	Lead	1.874	2.700	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:49	
Grazing	EOT99-08	E9901507	P2-5C-A	NA	Alfalfa	Primary	7440-48-4	Cobalt	0.1624	0.570	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:49	
Grazing	EOT99-08	E9901507	P2-5C-A	NA	Alfalfa	Primary	7440-02-0	Nickel	4.962	0.250	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:49	
Grazing	EOT99-08	E9901507	P2-5C-A	NA	Alfalfa	Primary	8075-39-6	Manganese	17.2	0.070	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:49	
Grazing	EOT99-08	E9901507	P2-5C-A	NA	Alfalfa	Primary	7439-89-6	Iron	44.17	0.220	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:49	
Grazing	EOT99-08	E9901507	P2-5C-A	NA	Alfalfa	Primary	7440-47-3	Chromium	0.3889	0.500	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:49	
Grazing	EOT99-08	E9901507	P2-5C-A	NA	Alfalfa	Primary	7429-90-5	Aluminum	22.03	2.500	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:49	
Grazing	EOT99-08	E9901507	P2-5C-A	NA	Alfalfa	Primary	7440-62-2	Vanadium	0.8123	0.520	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:49	
Grazing	EOT99-08	E9901507	P2-5C-A	NA	Alfalfa	Primary	7440-50-8	Copper	5.339	0.520	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:49	
Grazing	EOT99-08	E9901508	P3-1C-A	NA	Alfalfa	Primary	7439-98-7	Molybdenum	14.37	1.100	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:54	

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Grazing	EOT99-08	E9901508	P3-1C-A	NA	Alfalfa	Primary	7440-66-6	Zinc	41.05	0.330	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:54	
Grazing	EOT99-08	E9901508	P3-1C-A	NA	Alfalfa	Primary	7440-43-9	Cadmium	0.9666	0.140	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:54	
Grazing	EOT99-08	E9901508	P3-1C-A	NA	Alfalfa	Primary	7439-92-1	Lead	1.965	2.700	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:54	
Grazing	EOT99-08	E9901508	P3-1C-A	NA	Alfalfa	Primary	7440-48-4	Cobalt	0.0669	0.570	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:54	
Grazing	EOT99-08	E9901508	P3-1C-A	NA	Alfalfa	Primary	7440-02-0	Nickel	9.33	0.250	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:54	
Grazing	EOT99-08	E9901508	P3-1C-A	NA	Alfalfa	Primary	8075-39-6	Manganese	8.149	0.070	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:54	
Grazing	EOT99-08	E9901508	P3-1C-A	NA	Alfalfa	Primary	7439-89-6	Iron	34.33	0.220	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:54	
Grazing	EOT99-08	E9901508	P3-1C-A	NA	Alfalfa	Primary	7440-47-3	Chromium	0.4883	0.500	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:54	
Grazing	EOT99-08	E9901508	P3-1C-A	NA	Alfalfa	Primary	7429-90-5	Aluminum	19.18	2.500	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:54	
Grazing	EOT99-08	E9901508	P3-1C-A	NA	Alfalfa	Primary	7440-62-2	Vanadium	0.4238	0.520	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:54	
Grazing	EOT99-08	E9901508	P3-1C-A	NA	Alfalfa	Primary	7440-50-8	Copper	5.242	0.520	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:54	
Grazing	EOT99-08	E9901509	P3-3C-G	NA	Grass Mix	Primary	7439-98-7	Molybdenum	14.52	1.100	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:58	
Grazing	EOT99-08	E9901509	P3-3C-G	NA	Grass Mix	Primary	7440-66-6	Zinc	120.6	0.330	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:58	
Grazing	EOT99-08	E9901509	P3-3C-G	NA	Grass Mix	Primary	7440-43-9	Cadmium	1.037	0.140	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:58	
Grazing	EOT99-08	E9901509	P3-3C-G	NA	Grass Mix	Primary	7439-92-1	Lead	2.417	2.700	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:58	
Grazing	EOT99-08	E9901509	P3-3C-G	NA	Grass Mix	Primary	7440-48-4	Cobalt	-0.1275	0.570	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:58	
Grazing	EOT99-08	E9901509	P3-3C-G	NA	Grass Mix	Primary	7440-02-0	Nickel	2.232	0.250	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:58	
Grazing	EOT99-08	E9901509	P3-3C-G	NA	Grass Mix	Primary	8075-39-6	Manganese	29.3	0.070	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:58	
Grazing	EOT99-08	E9901509	P3-3C-G	NA	Grass Mix	Primary	7439-89-6	Iron	33.07	0.220	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:58	
Grazing	EOT99-08	E9901509	P3-3C-G	NA	Grass Mix	Primary	7440-47-3	Chromium	-0.0391	0.500	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:58	
Grazing	EOT99-08	E9901509	P3-3C-G	NA	Grass Mix	Primary	7429-90-5	Aluminum	20.61	2.500	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:58	
Grazing	EOT99-08	E9901509	P3-3C-G	NA	Grass Mix	Primary	7440-62-2	Vanadium	0.4412	0.520	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:58	
Grazing	EOT99-08	E9901509	P3-3C-G	NA	Grass Mix	Primary	7440-50-8	Copper	5.684	0.520	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	17:58	
Grazing	EOT99-08	E9901510	P3-3C-A	NA	Alfalfa	Primary	7439-98-7	Molybdenum	20.96	1.100	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:03	
Grazing	EOT99-08	E9901510	P3-3C-A	NA	Alfalfa	Primary	7440-66-6	Zinc	57.64	0.330	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:03	
Grazing	EOT99-08	E9901510	P3-3C-A	NA	Alfalfa	Primary	7440-43-9	Cadmium	2.13	0.140	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:03	
Grazing	EOT99-08	E9901510	P3-3C-A	NA	Alfalfa	Primary	7439-92-1	Lead	0.8836	2.700	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:03	
Grazing	EOT99-08	E9901510	P3-3C-A	NA	Alfalfa	Primary	7440-48-4	Cobalt	0.0975	0.570	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:03	
Grazing	EOT99-08	E9901510	P3-3C-A	NA	Alfalfa	Primary	7440-02-0	Nickel	9.633	0.250	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:03	
Grazing	EOT99-08	E9901510	P3-3C-A	NA	Alfalfa	Primary	8075-39-6	Manganese	11.19	0.070	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:03	
Grazing	EOT99-08	E9901510	P3-3C-A	NA	Alfalfa	Primary	7439-89-6	Iron	30.46	0.220	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:03	
Grazing	EOT99-08	E9901510	P3-3C-A	NA	Alfalfa	Primary	7440-47-3	Chromium	0.4996	0.500	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:03	
Grazing	EOT99-08	E9901510	P3-3C-A	NA	Alfalfa	Primary	7429-90-5	Aluminum	15.76	2.500	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:03	
Grazing	EOT99-08	E9901510	P3-3C-A	NA	Alfalfa	Primary	7440-62-2	Vanadium	0.4015	0.520	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:03	
Grazing	EOT99-08	E9901510	P3-3C-A	NA	Alfalfa	Primary	7440-50-8	Copper	3.509	0.520	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:03	
Grazing	EOT99-08	E9901510D	P3-3C-A	NA	Alfalfa	Primary	7439-98-7	Molybdenum	23.75	1.100	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:12	
Grazing	EOT99-08	E9901510D	P3-3C-A	NA	Alfalfa	Primary	7440-66-6	Zinc	55.75	0.330	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:12	
Grazing	EOT99-08	E9901510D	P3-3C-A	NA	Alfalfa	Primary	7440-43-9	Cadmium	2.308	0.140	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:12	
Grazing	EOT99-08	E9901510D	P3-3C-A	NA	Alfalfa	Primary	7439-92-1	Lead	-0.4085	2.700	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:12	
Grazing	EOT99-08	E9901510D	P3-3C-A	NA	Alfalfa	Primary	7440-48-4	Cobalt	0.3027	0.570	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:12	
Grazing	EOT99-08	E9901510D	P3-3C-A	NA	Alfalfa	Primary	7440-02-0	Nickel	9.755	0.250	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:12	
Grazing	EOT99-08	E9901510D	P3-3C-A	NA	Alfalfa	Primary	8075-39-6	Manganese	11.92	0.070	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:12	
Grazing	EOT99-08	E9901510D	P3-3C-A	NA	Alfalfa	Primary	7439-89-6	Iron	31.1	0.220	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:12	
Grazing	EOT99-08	E9901510D	P3-3C-A	NA	Alfalfa	Primary	7440-47-3	Chromium	0.7141	0.500	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:12	
Grazing	EOT99-08	E9901510D	P3-3C-A	NA	Alfalfa	Primary	7429-90-5	Aluminum	16.59	2.500	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:12	
Grazing	EOT99-08	E9901510D	P3-3C-A	NA	Alfalfa	Primary	7440-62-2	Vanadium	0.4442	0.520	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:12	
Grazing	EOT99-08	E9901510D	P3-3C-A	NA	Alfalfa	Primary	7440-50-8	Copper	3.21	0.520	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:12	
Grazing	EOT99-08	E9901511	P3-4C-A	NA	Alfalfa	Primary	7439-98-7	Molybdenum	10.99	1.100	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:16	
Grazing	EOT99-08	E9901511	P3-4C-A	NA	Alfalfa	Primary	7440-66-6	Zinc	56.42	0.330	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:16	
Grazing	EOT99-08	E9901511	P3-4C-A	NA	Alfalfa	Primary	7440-43-9	Cadmium	1.675	0.140	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:16	
Grazing	EOT99-08	E9901511	P3-4C-A	NA	Alfalfa	Primary	7439-92-1	Lead	-0.2291	2.700	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:16	
Grazing	EOT99-08	E9901511	P3-4C-A	NA	Alfalfa	Primary	7440-48-4	Cobalt	-0.0433	0.570	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:16	
Grazing	EOT99-08	E9901511	P3-4C-A	NA	Alfalfa	Primary	7440-02-0	Nickel	1.976	0.250	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:16	
Grazing	EOT99-08	E9901511	P3-4C-A	NA	Alfalfa	Primary	8075-39-6	Manganese	24.91	0.070	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:16	
Grazing	EOT99-08	E9901511	P3-4C-A	NA	Alfalfa	Primary	7439-89-6	Iron	37.02	0.220	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:16	
Grazing	EOT99-08	E9901511	P3-4C-A	NA	Alfalfa	Primary	7440-47-3	Chromium	0.2539	0.500	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:16	
Grazing	EOT99-08	E9901511	P3-4C-A	NA	Alfalfa	Primary	7429-90-5	Aluminum	17.87	2.500	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:16	
Grazing	EOT99-08	E9901511	P3-4C-A	NA	Alfalfa	Primary	7440-62-2	Vanadium	0.4313	0.520	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:16	

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Grazing	EOT99-08	E9901511	P3-4C-A	NA	Alfalfa	Primary	7440-50-8	Copper	5.021	0.520	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:16	
Grazing	EOT99-08	E9901512	P3-4C-G	NA	Grass Mix	Primary	7439-98-7	Molybdenum	18.87	1.100	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:21	
Grazing	EOT99-08	E9901512	P3-4C-G	NA	Grass Mix	Primary	7440-66-6	Zinc	59.21	0.330	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:21	
Grazing	EOT99-08	E9901512	P3-4C-G	NA	Grass Mix	Primary	7440-43-9	Cadmium	4.302	0.140	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:21	
Grazing	EOT99-08	E9901512	P3-4C-G	NA	Grass Mix	Primary	7439-92-1	Lead	0.9479	2.700	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:21	
Grazing	EOT99-08	E9901512	P3-4C-G	NA	Grass Mix	Primary	7440-48-4	Cobalt	0.0002	0.570	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:21	
Grazing	EOT99-08	E9901512	P3-4C-G	NA	Grass Mix	Primary	7440-02-0	Nickel	11.88	0.250	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:21	
Grazing	EOT99-08	E9901512	P3-4C-G	NA	Grass Mix	Primary	8075-39-6	Manganese	24.01	0.070	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:21	
Grazing	EOT99-08	E9901512	P3-4C-G	NA	Grass Mix	Primary	7439-89-6	Iron	34.03	0.220	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:21	
Grazing	EOT99-08	E9901512	P3-4C-G	NA	Grass Mix	Primary	7440-47-3	Chromium	0.0913	0.500	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:21	
Grazing	EOT99-08	E9901512	P3-4C-G	NA	Grass Mix	Primary	7429-90-5	Aluminum	20.34	2.500	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:21	
Grazing	EOT99-08	E9901512	P3-4C-G	NA	Grass Mix	Primary	7440-62-2	Vanadium	0.2253	0.520	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:21	
Grazing	EOT99-08	E9901512	P3-4C-G	NA	Grass Mix	Primary	7440-50-8	Copper	6.746	0.520	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:21	
Grazing	EOT99-08	E9901513	P3-5C-G	NA	Grass Mix	Primary	7439-98-7	Molybdenum	2.519	1.100	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:25	
Grazing	EOT99-08	E9901513	P3-5C-G	NA	Grass Mix	Primary	7440-66-6	Zinc	98.25	0.330	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:25	
Grazing	EOT99-08	E9901513	P3-5C-G	NA	Grass Mix	Primary	7440-43-9	Cadmium	1.544	0.140	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:25	
Grazing	EOT99-08	E9901513	P3-5C-G	NA	Grass Mix	Primary	7439-92-1	Lead	2.246	2.700	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:25	
Grazing	EOT99-08	E9901513	P3-5C-G	NA	Grass Mix	Primary	7440-48-4	Cobalt	-0.1241	0.570	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:25	
Grazing	EOT99-08	E9901513	P3-5C-G	NA	Grass Mix	Primary	7440-02-0	Nickel	1.468	0.250	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:25	
Grazing	EOT99-08	E9901513	P3-5C-G	NA	Grass Mix	Primary	8075-39-6	Manganese	44.87	0.070	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:25	
Grazing	EOT99-08	E9901513	P3-5C-G	NA	Grass Mix	Primary	7439-89-6	Iron	31.13	0.220	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:25	
Grazing	EOT99-08	E9901513	P3-5C-G	NA	Grass Mix	Primary	7440-47-3	Chromium	0.3517	0.500	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:25	
Grazing	EOT99-08	E9901513	P3-5C-G	NA	Grass Mix	Primary	7429-90-5	Aluminum	22.89	2.500	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:25	
Grazing	EOT99-08	E9901513	P3-5C-G	NA	Grass Mix	Primary	7440-62-2	Vanadium	0.7108	0.520	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:25	
Grazing	EOT99-08	E9901513	P3-5C-G	NA	Grass Mix	Primary	7440-50-8	Copper	6.181	0.520	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:25	
Grazing	EOT99-08	E9901514	P3-5C-A	NA	Alfalfa	Primary	7439-98-7	Molybdenum	2.852	1.100	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:30	
Grazing	EOT99-08	E9901514	P3-5C-A	NA	Alfalfa	Primary	7440-66-6	Zinc	85.03	0.330	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:30	
Grazing	EOT99-08	E9901514	P3-5C-A	NA	Alfalfa	Primary	7440-43-9	Cadmium	2.691	0.140	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:30	
Grazing	EOT99-08	E9901514	P3-5C-A	NA	Alfalfa	Primary	7439-92-1	Lead	-1.112	2.700	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:30	
Grazing	EOT99-08	E9901514	P3-5C-A	NA	Alfalfa	Primary	7440-48-4	Cobalt	0.0347	0.570	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:30	
Grazing	EOT99-08	E9901514	P3-5C-A	NA	Alfalfa	Primary	7440-02-0	Nickel	12.52	0.250	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:30	
Grazing	EOT99-08	E9901514	P3-5C-A	NA	Alfalfa	Primary	8075-39-6	Manganese	21.41	0.070	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:30	
Grazing	EOT99-08	E9901514	P3-5C-A	NA	Alfalfa	Primary	7439-89-6	Iron	27.22	0.220	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:30	
Grazing	EOT99-08	E9901514	P3-5C-A	NA	Alfalfa	Primary	7440-47-3	Chromium	0.2119	0.500	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:30	
Grazing	EOT99-08	E9901514	P3-5C-A	NA	Alfalfa	Primary	7429-90-5	Aluminum	23.35	2.500	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:30	
Grazing	EOT99-08	E9901514	P3-5C-A	NA	Alfalfa	Primary	7440-62-2	Vanadium	0.5502	0.520	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:30	
Grazing	EOT99-08	E9901514	P3-5C-A	NA	Alfalfa	Primary	7440-50-8	Copper	6.818	0.520	EDL		Wet Wt	1			10/22/1999	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:30	
Grazing	EOT99-08	HRL-5	House Ref. Liver	NA	Animal Tissue	HRL	7439-98-7	Molybdenum	3.627	1.100	EDL	ug/g	Wet Wt	1	3.18	114	NA	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:39	
Grazing	EOT99-08	HRL-5	House Ref. Liver	NA	Animal Tissue	HRL	7440-66-6	Zinc	132.3	0.330	EDL	ug/g	Wet Wt	1	119	111	NA	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:39	
Grazing	EOT99-08	HRL-5	House Ref. Liver	NA	Animal Tissue	HRL	7440-43-9	Cadmium	58.77	0.140	EDL	ug/g	Wet Wt	1	54.4	108	NA	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:39	
Grazing	EOT99-08	HRL-5	House Ref. Liver	NA	Animal Tissue	HRL	7439-92-1	Lead	53.51	2.700	EDL	ug/g	Wet Wt	1	47.9	112	NA	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:39	
Grazing	EOT99-08	HRL-5	House Ref. Liver	NA	Animal Tissue	HRL	7440-48-4	Cobalt	48.5	0.570	EDL	ug/g	Wet Wt	1	44.1	110	NA	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:39	
Grazing	EOT99-08	HRL-5	House Ref. Liver	NA	Animal Tissue	HRL	8075-39-6	Manganese	11.41	0.070	EDL	ug/g	Wet Wt	1	10.1	113	NA	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:39	
Grazing	EOT99-08	HRL-5	House Ref. Liver	NA	Animal Tissue	HRL	7439-89-6	Iron	192.7	0.220	EDL	ug/g	Wet Wt	1	183	105	NA	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:39	
Grazing	EOT99-08	HRL-5	House Ref. Liver	NA	Animal Tissue	HRL	7440-47-3	Chromium	54.27	0.500	EDL	ug/g	Wet Wt	1	49.2	110	NA	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:39	
Grazing	EOT99-08	HRL-5	House Ref. Liver	NA	Animal Tissue	HRL	7440-50-8	Copper	155.6	0.520	EDL	ug/g	Wet Wt	1	123	127	NA	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:39	
Grazing	EOT99-08	HRA-5	House Ref. Alfalfa	NA	Plant Tissue	HRA	7439-98-7	Molybdenum	1.548	1.100	EDL	ug/g	Wet Wt	1	1.23	126	NA	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:44	
Grazing	EOT99-08	HRA-5	House Ref. Alfalfa	NA	Plant Tissue	HRA	7440-66-6	Zinc	23.7	0.330	EDL	ug/g	Wet Wt	1	20.8	114	NA	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:44	
Grazing	EOT99-08	HRA-5	House Ref. Alfalfa	NA	Plant Tissue	HRA	7440-02-0	Nickel	1.368	0.250	EDL	ug/g	Wet Wt	1	1.19	115	NA	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:44	
Grazing	EOT99-08	HRA-5	House Ref. Alfalfa	NA	Plant Tissue	HRA	8075-39-6	Manganese	33.93	0.070	EDL	ug/g	Wet Wt	1	30.4	112	NA	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:44	
Grazing	EOT99-08	HRA-5	House Ref. Alfalfa	NA	Plant Tissue	HRA	7439-89-6	Iron	323.9	0.220	EDL	ug/g	Wet Wt	1	317	102	NA	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:44	
Grazing	EOT99-08	HRA-5	House Ref. Alfalfa	NA	Plant Tissue	HRA	7440-47-3	Chromium	0.7732	0.500	EDL	ug/g	Wet Wt	1	1.05	74	NA	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:44	
Grazing	EOT99-08	HRA-5	House Ref. Alfalfa	NA	Plant Tissue	HRA	7429-90-5	Aluminum	457.8	2.500	EDL	ug/g	Wet Wt	1	401	114	NA	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:44	
Grazing	EOT99-08	HRA-5	House Ref. Alfalfa	NA	Plant Tissue	HRA	7440-62-2	Vanadium	1.197	0.520	EDL	ug/g	Wet Wt	1	1.12	107	NA	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:44	
Grazing	EOT99-08	HRA-5	House Ref. Alfalfa	NA	Plant Tissue	HRA	7440-50-8	Copper	9.226	0.520	EDL	ug/g	Wet Wt	1	8.01	115	NA	ICP - TES	TESICP_01-18-00	0118MIC/2	1/11/2000	1/18/2000	18:44	
Grazing	EOT99-08	HRL1	House Ref. Liver	NA	Animal Tissue	Primary	7782-49-2	Selenium	0.596	0.020	EDL	ug/g	Wet Wt	1	0.446	134	NA	ICP, Hydride	VGICP_12-08-99	1208SEHA	12/3/1999	12/8/1999	13:19	
Grazing	EOT99-08	E9901455	GL-1	NA	Plant Tissue	Primary	7782-49-2	Selenium	0.0707	0.020	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_12-08-99	1208SEHA	12/3/1999	12/8/1999	13:22	
Grazing	EOT99-08	E9901456	GL-2	NA	Plant Tissue	Primary	7782-49-2	Selenium	0.0813	0.020	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_12-08-99	1208SEHA	12/3/1999	12/8/1999	13:25	

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Grazing	EOT99-08	E9901456D	GL-2	NA	Plant Tissue	ıb Duplica	7782-49-2	Selenium	0.0819	0.020	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_12-08-99	1208SEHA	12/3/1999	12/8/1999	13:28	
Grazing	EOT99-08	E9901457	GL-3	NA	Plant Tissue	Primary	7782-49-2	Selenium	0.5	0.020	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_12-08-99	1208SEHA	12/3/1999	12/8/1999	13:30	
Grazing	EOT99-08	E9901458	GL-4	NA	Plant Tissue	Primary	7782-49-2	Selenium	0.0682	0.020	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_12-08-99	1208SEHA	12/3/1999	12/8/1999	13:33	
Grazing	EOT99-08	E9901459	GL-5	NA	Plant Tissue	Primary	7782-49-2	Selenium	0.123	0.020	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_12-08-99	1208SEHA	12/3/1999	12/8/1999	14:01	
Grazing	EOT99-08	E9901460	P1-1D-G	NA	Grass Mix	Primary	7782-49-2	Selenium	0.307	0.020	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_12-08-99	1208SEHA	12/3/1999	12/8/1999	14:04	
Grazing	EOT99-08	E9901461	P1-1D-A	NA	Alfalfa	Primary	7782-49-2	Selenium	0.976	0.020	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_12-08-99	1208SEHA	12/3/1999	12/8/1999	14:07	
Grazing	EOT99-08	E9901462	P1-2D-G	NA	Grass Mix	Primary	7782-49-2	Selenium	0.357	0.020	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_12-08-99	1208SEHA	12/3/1999	12/8/1999	14:10	
Grazing	EOT99-08	E9901463	P1-2D-A	NA	Alfalfa	Primary	7782-49-2	Selenium	1.38	0.020	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_12-08-99	1208SEHA	12/3/1999	12/8/1999	14:13	
Grazing	EOT99-08	E9901464	P1-3D-G	NA	Grass Mix	Primary	7782-49-2	Selenium	0.786	0.020	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_12-08-99	1208SEHA	12/3/1999	12/8/1999	14:15	
Grazing	EOT99-08	E9901465	P1-3D-A	NA	Alfalfa	Primary	7782-49-2	Selenium	2.18	0.020	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_12-08-99	1208SEHA	12/3/1999	12/8/1999	14:18	
Grazing	EOT99-08	E9901466	P1-4D-G	NA	Grass Mix	Primary	7782-49-2	Selenium	0.284	0.020	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_12-08-99	1208SEHA	12/3/1999	12/8/1999	14:21	
Grazing	EOT99-08	E9901466D	P1-4D-G	NA	Grass Mix	ıb Duplica	7782-49-2	Selenium	0.309	0.020	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_12-08-99	1208SEHA	12/3/1999	12/8/1999	14:24	
Grazing	EOT99-08	HRL2	House Ref. Liver	NA	Animal Tissue	Primary	7782-49-2	Selenium	0.477	0.020	EDL	ug/g	Wet Wt	1	0.446	107	NA	ICP, Hydride	VGICP_12-08-99	1208SEHA	12/3/1999	12/8/1999	14:27	
Grazing	EOT99-08	E9901467	P1-4D-A	NA	Alfalfa	Primary	7782-49-2	Selenium	8.46	0.020	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_12-08-99	1208SEHA	12/3/1999	12/8/1999	14:30	
Grazing	EOT99-08	E9901468	P1-5D-G	NA	Grass Mix	Primary	7782-49-2	Selenium	0.74	0.020	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_12-08-99	1208SEHA	12/3/1999	12/8/1999	14:33	
Grazing	EOT99-08	HRL2	House Ref. Liver	NA	Animal Tissue	Primary	7782-49-2	Selenium	0.469	0.020	EDL	ug/g	Wet Wt	1	0.446	105	NA	ICP, Hydride	VGICP_12-08-99	1208SEHA	12/3/1999	12/8/1999	14:36	
Grazing	EOT99-08	HRL	House Ref. Liver	NA	Animal Tissue	Primary	7782-49-2	Selenium	0.463	0.020	EDL	ug/g	Wet Wt	1	0.446	104	NA	ICP, Hydride	VGICP_02-07-00A	0207SEH	2/4/2000	2/7/2000	8:08	
Grazing	EOT99-08	E9901469	P1-5D-A	NA	Alfalfa	Primary	7782-49-2	Selenium	2.66	0.020	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_02-07-00A	0207SEH	2/4/2000	2/7/2000	8:18	
Grazing	EOT99-08	E9901470	P2-1D-G	NA	Grass Mix	Primary	7782-49-2	Selenium	24.8	0.020	EDL	ug/g	Wet Wt	10			10/22/1999	ICP, Hydride	VGICP_02-07-00A	0207SEH	2/4/2000	2/7/2000	8:48	
Grazing	EOT99-08	E9901470D	P2-1D-G	NA	Grass Mix	Primary	7782-49-2	Selenium	24.3	0.020	EDL	ug/g	Wet Wt	10			10/22/1999	ICP, Hydride	VGICP_02-07-00A	0207SEH	2/4/2000	2/7/2000	8:51	
Grazing	EOT99-08	E9901471	P2-1D-A	NA	Alfalfa	Primary	7782-49-2	Selenium	68.2	0.020	EDL	ug/g	Wet Wt	10			10/22/1999	ICP, Hydride	VGICP_02-07-00A	0207SEH	2/4/2000	2/7/2000	8:54	
Grazing	EOT99-08	E9901472	P2-2D-G	NA	Grass Mix	Primary	7782-49-2	Selenium	18.5	0.020	EDL	ug/g	Wet Wt	10			10/22/1999	ICP, Hydride	VGICP_02-07-00A	0207SEH	2/4/2000	2/7/2000	8:57	
Grazing	EOT99-08	E9901473	P2-2D-A	NA	Alfalfa	Primary	7782-49-2	Selenium	65.3	0.020	EDL	ug/g	Wet Wt	10			10/22/1999	ICP, Hydride	VGICP_02-07-00A	0207SEH	2/4/2000	2/7/2000	9:00	
Grazing	EOT99-08	E9901474	P2-3D-G	NA	Grass Mix	Primary	7782-49-2	Selenium	15.5	0.020	EDL	ug/g	Wet Wt	10			10/22/1999	ICP, Hydride	VGICP_02-07-00A	0207SEH	2/4/2000	2/7/2000	9:03	
Grazing	EOT99-08	E9901475	P2-3D-A	NA	Alfalfa	Primary	7782-49-2	Selenium	58.3	0.020	EDL	ug/g	Wet Wt	10			10/22/1999	ICP, Hydride	VGICP_02-07-00A	0207SEH	2/4/2000	2/7/2000	9:05	
Grazing	EOT99-08	E9901476	P2-4D-G	NA	Grass Mix	Primary	7782-49-2	Selenium	23	0.020	EDL	ug/g	Wet Wt	10			10/22/1999	ICP, Hydride	VGICP_02-07-00A	0207SEH	2/4/2000	2/7/2000	9:08	
Grazing	EOT99-08	E9901477	P2-4D-A	NA	Alfalfa	Primary	7782-49-2	Selenium	67.1	0.020	EDL	ug/g	Wet Wt	10			10/22/1999	ICP, Hydride	VGICP_02-07-00A	0207SEH	2/4/2000	2/7/2000	9:11	
Grazing	EOT99-08	E9901478	P2-5D-G	NA	Grass Mix	Primary	7782-49-2	Selenium	34.6	0.020	EDL	ug/g	Wet Wt	10			10/22/1999	ICP, Hydride	VGICP_02-07-00A	0207SEH	2/4/2000	2/7/2000	9:14	
Grazing	EOT99-08	E9901479	P2-5D-A	NA	Alfalfa	Primary	7782-49-2	Selenium	36.1	0.020	EDL	ug/g	Wet Wt	10			10/22/1999	ICP, Hydride	VGICP_02-07-00A	0207SEH	2/4/2000	2/7/2000	9:17	
Grazing	EOT99-08	E9901480	P3-1D-G	NA	Grass Mix	Primary	7782-49-2	Selenium	15.7	0.020	EDL	ug/g	Wet Wt	10			10/22/1999	ICP, Hydride	VGICP_02-07-00A	0207SEH	2/4/2000	2/7/2000	9:20	
Grazing	EOT99-08	HRL1	House Ref. Liver	NA	Animal Tissue	Primary	7782-49-2	Selenium	0.55	0.020	EDL	ug/g	Wet Wt	1	0.446	123	NA	ICP, Hydride	VGICP_02-07-00A	0207SEH	2/4/2000	2/7/2000	9:30	
Grazing	EOT99-08	E9901481	P3-1D-A	NA	Alfalfa	Primary	7782-49-2	Selenium	120	0.020	EDL	ug/g	Wet Wt	10			10/22/1999	ICP, Hydride	VGICP_02-07-00A	0207SEH	2/4/2000	2/7/2000	9:34	
Grazing	EOT99-08	E9901482	P3-2D-G	NA	Grass Mix	Primary	7782-49-2	Selenium	20.6	0.020	EDL	ug/g	Wet Wt	10			10/22/1999	ICP, Hydride	VGICP_02-07-00A	0207SEH	2/4/2000	2/7/2000	9:37	
Grazing	EOT99-08	E9901483	P3-2D-A	NA	Alfalfa	Primary	7782-49-2	Selenium	41.1	0.020	EDL	ug/g	Wet Wt	10			10/22/1999	ICP, Hydride	VGICP_02-07-00A	0207SEH	2/4/2000	2/7/2000	9:40	
Grazing	EOT99-08	E9901484	P3-3D-G	NA	Grass Mix	Primary	7782-49-2	Selenium	12.8	0.020	EDL	ug/g	Wet Wt	10			10/22/1999	ICP, Hydride	VGICP_02-07-00A	0207SEH	2/4/2000	2/7/2000	9:43	
Grazing	EOT99-08	E9901485	P3-3D-A	NA	Alfalfa	Primary	7782-49-2	Selenium	51.7	0.020	EDL	ug/g	Wet Wt	10			10/22/1999	ICP, Hydride	VGICP_02-07-00A	0207SEH	2/4/2000	2/7/2000	9:46	
Grazing	EOT99-08	E9901485D	P3-3D-A	NA	Alfalfa	Primary	7782-49-2	Selenium	58.6	0.020	EDL	ug/g	Wet Wt	10			10/22/1999	ICP, Hydride	VGICP_02-07-00A	0207SEH	2/4/2000	2/7/2000	9:49	
Grazing	EOT99-08	E9901486	P3-4D-G	NA	Grass Mix	Primary	7782-49-2	Selenium	10.4	0.020	EDL	ug/g	Wet Wt	10			10/22/1999	ICP, Hydride	VGICP_02-07-00A	0207SEH	2/4/2000	2/7/2000	9:52	
Grazing	EOT99-08	E9901487	P3-4D-A	NA	Alfalfa	Primary	7782-49-2	Selenium	76.7	0.020	EDL	ug/g	Wet Wt	10			10/22/1999	ICP, Hydride	VGICP_02-07-00A	0207SEH	2/4/2000	2/7/2000	9:54	
Grazing	EOT99-08	E9901488	P3-5D-G	NA	Grass Mix	Primary	7782-49-2	Selenium	23.9	0.020	EDL	ug/g	Wet Wt	10			10/22/1999	ICP, Hydride	VGICP_02-07-00A	0207SEH	2/4/2000	2/7/2000	10:29	
Grazing	EOT99-08	E9901489	P3-5D-A	NA	Alfalfa	Primary	7782-49-2	Selenium	18.9	0.020	EDL	ug/g	Wet Wt	10			10/22/1999	ICP, Hydride	VGICP_02-07-00A	0207SEH	2/4/2000	2/7/2000	10:32	
Grazing	EOT99-08	E9901490	P1-1C-G	NA	Grass Mix	Primary	7782-49-2	Selenium	1.47	0.020	EDL	ug/g	Wet Wt	10			10/22/1999	ICP, Hydride	VGICP_02-07-00A	0207SEH	2/4/2000	2/7/2000	10:35	
Grazing	EOT99-08	E9901491	P1-1C-A	NA	Alfalfa	Primary	7782-49-2	Selenium	1.31	0.020	EDL	ug/g	Wet Wt	10			10/22/1999	ICP, Hydride	VGICP_02-07-00A	0207SEH	2/4/2000	2/7/2000	10:38	
Grazing	EOT99-08	E9901492	P1-2C-G	NA	Grass Mix	Primary	7782-49-2	Selenium	1.82	0.020	EDL	ug/g	Wet Wt	10			10/22/1999	ICP, Hydride	VGICP_02-07-00A	0207SEH	2/4/2000	2/7/2000	10:41	
Grazing	EOT99-08	HRL3	House Ref. Liver	NA	Animal Tissue	Primary	7782-49-2	Selenium	0.457	0.020	EDL	ug/g	Wet Wt	1	0.446	102	NA	ICP, Hydride	VGICP_02-07-00A	0207SEH	2/4/2000	2/7/2000	10:44	
Grazing	EOT99-08	HRL	House Ref. Liver	NA	Animal Tissue	Primary	7782-49-2	Selenium	0.456	0.020	EDL	ug/g	Wet Wt	1	0.446	102	NA	ICP, Hydride	VGICP_02-07-00B	0207SEHA	2/4/2000	2/7/2000	13:04	
Grazing	EOT99-08	E9901499	P2-1C-G	NA	Grass Mix	Primary	7782-49-2	Selenium	12.4	0.020	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_02-07-00B	0207SEHA	2/4/2000	2/7/2000	13:28	
Grazing	EOT99-08	E9901500	P2-1C-A	NA	Alfalfa	Primary	7782-49-2	Selenium	63.9	0.020	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_02-07-00B	0207SEHA	2/4/2000	2/7/2000	13:31	
Grazing	EOT99-08	E9901500D	P2-1C-A	NA	Alfalfa	ıb Duplica	7782-49-2	Selenium	63.1	0.020	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_02-07-00B	0207SEHA	2/4/2000	2/7/2000	13:34	
Grazing	EOT99-08	E9901501	P2-2C-G	NA	Grass Mix	Primary	7782-49-2	Selenium	12.6	0.020	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_02-07-00B	0207SEHA	2/4/2000	2/7/2000	13:36	
Grazing	EOT99-08	E9901502	P2-2C-A	NA	Alfalfa	Primary	7782-49-2	Selenium	45.7	0.020	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_02-07-00B	0207SEHA	2/4/2000	2/7/2000	13:39	
Grazing	EOT99-08	E9901503	P2-3C-G	NA	Grass Mix	Primary	7782-49-2	Selenium	10.8	0.020	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_02-07-00B	0207SEHA	2/4/2000	2/7/2000	13:42	
Grazing	EOT99-08	HRL2	House Ref. Liver	NA	Animal Tissue	Primary	7782-49-2	Selenium	0.465	0.020	EDL	ug/g	Wet Wt	1	0.446	104	NA	ICP, Hydride	VGICP_02-07-00B	0207SEHA	2/4/2000	2/7/2000	13:45	
Grazing	EOT99-08	E9901504	P2-3C-A	NA	Alfalfa	Primary	7782-49-2	Selenium	14.8	0.020	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_02-07-00B	0207SEHA	2/4/2000	2/7/2000	13:48	
Grazing	EOT99-08	E9901505	P2-4C-A	NA	Alfalfa	Primary	7782-49-2	Selenium	85.3	0.020	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_02-07-00B	0207SEHA	2/4/2000	2/7/2000	13:51	
Grazing	EOT99-08	E9901506	P2-5C-G	NA	Grass Mix	Primary	7782-49-2	Selenium	8.02	0.020	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_02-07-00B	0207SEHA	2/4/2000	2/7/2000	13:54	
Grazing	EOT99-08	E9901507	P2-5C-A	NA	Alfalfa	Primary	7782-49-2	Selenium	60.9	0.020	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_02-07-00B	0207SEHA	2/4/2000	2/7/2000	13:57	
Grazing	EOT99-08	E9901508	P3-1C-A	NA	Alfalfa	Primary	7782-49-2	Selenium	28.1	0.020	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_02-07-00B	0207SEHA	2/4/2000	2/7/2000	14:00	

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Grazing	EOT99-08	E9901509	P3-3C-G	NA	Grass Mix	Primary	7782-49-2	Selenium	15.1	0.020	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_02-07-00B	0207SEHA	2/4/2000	2/7/2000	14:03	
Grazing	EOT99-08	E9901510	P3-3C-A	NA	Alfalfa	Primary	7782-49-2	Selenium	68.3	0.020	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_02-07-00B	0207SEHA	2/4/2000	2/7/2000	14:06	
Grazing	EOT99-08	E9901510D	P3-3C-A	NA	Alfalfa	ıb Duplica	7782-49-2	Selenium	62.4	0.020	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_02-07-00B	0207SEHA	2/4/2000	2/7/2000	14:09	
Grazing	EOT99-08	E9901511	P3-4C-A	NA	Alfalfa	Primary	7782-49-2	Selenium	14.3	0.020	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_02-07-00B	0207SEHA	2/4/2000	2/7/2000	14:12	
Grazing	EOT99-08	E9901512	P3-4C-G	NA	Grass Mix	Primary	7782-49-2	Selenium	48.7	0.020	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_02-07-00B	0207SEHA	2/4/2000	2/7/2000	14:14	
Grazing	EOT99-08	E9901513	P3-5C-G	NA	Grass Mix	Primary	7782-49-2	Selenium	4.75	0.020	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_02-07-00B	0207SEHA	2/4/2000	2/7/2000	14:17	
Grazing	EOT99-08	E9901514	P3-5C-A	NA	Alfalfa	Primary	7782-49-2	Selenium	3.84	0.020	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_02-07-00B	0207SEHA	2/4/2000	2/7/2000	14:20	
Grazing	EOT99-08	HRL3	House Ref. Liver	NA	Animal Tissue	Primary	7782-49-2	Selenium	0.481	0.020	EDL	ug/g	Wet Wt	1	0.446	108	NA	ICP, Hydride	VGICP_02-07-00B	0207SEHA	2/4/2000	2/7/2000	14:43	
Grazing	EOT99-08	E9901493	P1-2C-A	NA	Alfalfa	Primary	7782-49-2	Selenium	2.15	0.020	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_02-07-00B	0207SEHA	2/4/2000	2/7/2000	14:46	
Grazing	EOT99-08	E9901494	P1-3C-G	NA	Grass Mix	Primary	7782-49-2	Selenium	0.323	0.020	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_02-07-00B	0207SEHA	2/4/2000	2/7/2000	14:49	
Grazing	EOT99-08	E9901495	P1-3C-A	NA	Alfalfa	Primary	7782-49-2	Selenium	0.522	0.020	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_02-07-00B	0207SEHA	2/4/2000	2/7/2000	14:52	
Grazing	EOT99-08	E9901496	P1-4C-G	NA	Grass Mix	Primary	7782-49-2	Selenium	0.723	0.020	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_02-07-00B	0207SEHA	2/4/2000	2/7/2000	14:55	
Grazing	EOT99-08	E9901497	P1-4C-A	NA	Alfalfa	Primary	7782-49-2	Selenium	1.44	0.020	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_02-07-00B	0207SEHA	2/4/2000	2/7/2000	14:58	
Grazing	EOT99-08	E9901498	P1-5C-A	NA	Alfalfa	Primary	7782-49-2	Selenium	1.77	0.020	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_02-07-00B	0207SEHA	2/4/2000	2/7/2000	15:01	
Grazing	PAG99-13(A)	BLK	Laboratory Blank	NA	Lab QC	Blank	7439-98-7	Molybdenum	0.1194	1.100	EDL	ug/g	Wet Wt	1			NA	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	16:19	
Grazing	PAG99-13(A)	BLK	Laboratory Blank	NA	Lab QC	Blank	7440-66-6	Zinc	0.0055	0.330	EDL	ug/g	Wet Wt	1			NA	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	16:19	
Grazing	PAG99-13(A)	BLK	Laboratory Blank	NA	Lab QC	Blank	7440-43-9	Cadmium	0.002	0.140	EDL	ug/g	Wet Wt	1			NA	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	16:19	
Grazing	PAG99-13(A)	BLK	Laboratory Blank	NA	Lab QC	Blank	7439-92-1	Lead	0.0396	2.700	EDL	ug/g	Wet Wt	1			NA	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	16:19	
Grazing	PAG99-13(A)	BLK	Laboratory Blank	NA	Lab QC	Blank	7440-48-4	Cobalt	-0.0543	0.570	EDL	ug/g	Wet Wt	1			NA	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	16:19	
Grazing	PAG99-13(A)	BLK	Laboratory Blank	NA	Lab QC	Blank	7440-02-0	Nickel	0.0905	0.250	EDL	ug/g	Wet Wt	1			NA	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	16:19	
Grazing	PAG99-13(A)	BLK	Laboratory Blank	NA	Lab QC	Blank	8075-39-6	Manganese	-0.021	0.070	EDL	ug/g	Wet Wt	1			NA	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	16:19	
Grazing	PAG99-13(A)	BLK	Laboratory Blank	NA	Lab QC	Blank	7439-89-6	Iron	0.2036	0.220	EDL	ug/g	Wet Wt	1			NA	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	16:19	
Grazing	PAG99-13(A)	BLK	Laboratory Blank	NA	Lab QC	Blank	7440-47-3	Chromium	0.148	0.500	EDL	ug/g	Wet Wt	1			NA	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	16:19	
Grazing	PAG99-13(A)	BLK	Laboratory Blank	NA	Lab QC	Blank	7429-90-5	Aluminum	1.971	2.500	EDL	ug/g	Wet Wt	1			NA	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	16:19	
Grazing	PAG99-13(A)	BLK	Laboratory Blank	NA	Lab QC	Blank	7440-62-2	Vanadium	-0.0674	0.520	EDL	ug/g	Wet Wt	1			NA	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	16:19	
Grazing	PAG99-13(A)	BLK	Laboratory Blank	NA	Lab QC	Blank	7440-50-8	Copper	-0.0094	0.520	EDL	ug/g	Wet Wt	1			NA	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	16:19	
Grazing	PAG99-13(A)	HRA	House Ref. Alfalfa	NA	Plant Tissue	HRA	7439-98-7	Molybdenum	1.748	1.100	EDL	ug/g	Wet Wt	1	1.23	142	NA	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	16:24	
Grazing	PAG99-13(A)	HRA	House Ref. Alfalfa	NA	Plant Tissue	HRA	7440-66-6	Zinc	20.88	0.330	EDL	ug/g	Wet Wt	1	20.8	100	NA	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	16:24	
Grazing	PAG99-13(A)	HRA	House Ref. Alfalfa	NA	Plant Tissue	HRA	7440-02-0	Nickel	1.143	0.250	EDL	ug/g	Wet Wt	1	1.19	96	NA	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	16:24	
Grazing	PAG99-13(A)	HRA	House Ref. Alfalfa	NA	Plant Tissue	HRA	8075-39-6	Manganese	28.82	0.070	EDL	ug/g	Wet Wt	1	30.4	95	NA	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	16:24	
Grazing	PAG99-13(A)	HRA	House Ref. Alfalfa	NA	Plant Tissue	HRA	7439-89-6	Iron	301.3	0.220	EDL	ug/g	Wet Wt	1	317	95	NA	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	16:24	
Grazing	PAG99-13(A)	HRA	House Ref. Alfalfa	NA	Plant Tissue	HRA	7440-47-3	Chromium	0.6637	0.500	EDL	ug/g	Wet Wt	1	1.05	63	NA	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	16:24	
Grazing	PAG99-13(A)	HRA	House Ref. Alfalfa	NA	Plant Tissue	HRA	7429-90-5	Aluminum	404	2.500	EDL	ug/g	Wet Wt	1	401	101	NA	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	16:24	
Grazing	PAG99-13(A)	HRA	House Ref. Alfalfa	NA	Plant Tissue	HRA	7440-62-2	Vanadium	0.3869	0.520	EDL	ug/g	Wet Wt	1	1.12	35	NA	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	16:24	
Grazing	PAG99-13(A)	HRA	House Ref. Alfalfa	NA	Plant Tissue	HRA	7440-50-8	Copper	8.325	0.520	EDL	ug/g	Wet Wt	1	8.01	104	NA	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	16:24	
Grazing	PAG99-13(A)	P9901624	P1-1A-A	NA	Alfalfa	Primary	7439-98-7	Molybdenum	65.14	1.100	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	16:46	
Grazing	PAG99-13(A)	P9901624	P1-1A-A	NA	Alfalfa	Primary	7440-66-6	Zinc	74.18	0.330	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	16:46	
Grazing	PAG99-13(A)	P9901624	P1-1A-A	NA	Alfalfa	Primary	7440-43-9	Cadmium	2.561	0.140	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	16:46	
Grazing	PAG99-13(A)	P9901624	P1-1A-A	NA	Alfalfa	Primary	7439-92-1	Lead	0.1389	2.700	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	16:46	
Grazing	PAG99-13(A)	P9901624	P1-1A-A	NA	Alfalfa	Primary	7440-48-4	Cobalt	-0.0896	0.570	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	16:46	
Grazing	PAG99-13(A)	P9901624	P1-1A-A	NA	Alfalfa	Primary	7440-02-0	Nickel	10.35	0.250	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	16:46	
Grazing	PAG99-13(A)	P9901624	P1-1A-A	NA	Alfalfa	Primary	8075-39-6	Manganese	26.45	0.070	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	16:46	
Grazing	PAG99-13(A)	P9901624	P1-1A-A	NA	Alfalfa	Primary	7439-89-6	Iron	49.59	0.220	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	16:46	
Grazing	PAG99-13(A)	P9901624	P1-1A-A	NA	Alfalfa	Primary	7440-47-3	Chromium	0.4059	0.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	16:46	
Grazing	PAG99-13(A)	P9901624	P1-1A-A	NA	Alfalfa	Primary	7429-90-5	Aluminum	28.5	2.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	16:46	
Grazing	PAG99-13(A)	P9901624	P1-1A-A	NA	Alfalfa	Primary	7440-62-2	Vanadium	-0.0419	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	16:46	
Grazing	PAG99-13(A)	P9901624	P1-1A-A	NA	Alfalfa	Primary	7440-50-8	Copper	10.25	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	16:46	
Grazing	PAG99-13(A)	P9901625	P1-1A-G	NA	Grass Mix	Primary	7439-98-7	Molybdenum	23.62	1.100	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	16:51	
Grazing	PAG99-13(A)	P9901625	P1-1A-G	NA	Grass Mix	Primary	7440-66-6	Zinc	36.73	0.330	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	16:51	
Grazing	PAG99-13(A)	P9901625	P1-1A-G	NA	Grass Mix	Primary	7440-43-9	Cadmium	0.4013	0.140	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	16:51	
Grazing	PAG99-13(A)	P9901625	P1-1A-G	NA	Grass Mix	Primary	7439-92-1	Lead	1.047	2.700	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	16:51	
Grazing	PAG99-13(A)	P9901625	P1-1A-G	NA	Grass Mix	Primary	7440-48-4	Cobalt	-0.164	0.570	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	16:51	
Grazing	PAG99-13(A)	P9901625	P1-1A-G	NA	Grass Mix	Primary	7440-02-0	Nickel	6.418	0.250	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	16:51	
Grazing	PAG99-13(A)	P9901625	P1-1A-G	NA	Grass Mix	Primary	8075-39-6	Manganese	18.04	0.070	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	16:51	
Grazing	PAG99-13(A)	P9901625	P1-1A-G	NA	Grass Mix	Primary	7439-89-6	Iron	45.85	0.220	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	16:51	
Grazing	PAG99-13(A)	P9901625	P1-1A-G	NA	Grass Mix	Primary	7440-47-3	Chromium	0.7225	0.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	16:51	
Grazing	PAG99-13(A)	P9901625	P1-1A-G	NA	Grass Mix	Primary	7429-90-5	Aluminum	35.15	2.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	16:51	
Grazing	PAG99-13(A)	P9901625	P1-1A-G	NA	Grass Mix	Primary	7440-62-2	Vanadium	-0.0549	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	16:51	

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Grazing	PAG99-13(A)	P9901625	P1-1A-G	NA	Grass Mix	Primary	7440-50-8	Copper	8.214	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	16:51	
Grazing	PAG99-13(A)	P9901626	P1-2A-A	NA	Alfalfa	Primary	7439-98-7	Molybdenum	36.73	1.100	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	16:55	
Grazing	PAG99-13(A)	P9901626	P1-2A-A	NA	Alfalfa	Primary	7440-66-6	Zinc	69.43	0.330	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	16:55	
Grazing	PAG99-13(A)	P9901626	P1-2A-A	NA	Alfalfa	Primary	7440-43-9	Cadmium	2.822	0.140	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	16:55	
Grazing	PAG99-13(A)	P9901626	P1-2A-A	NA	Alfalfa	Primary	7439-92-1	Lead	0.2033	2.700	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	16:55	
Grazing	PAG99-13(A)	P9901626	P1-2A-A	NA	Alfalfa	Primary	7440-48-4	Cobalt	-0.1541	0.570	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	16:55	
Grazing	PAG99-13(A)	P9901626	P1-2A-A	NA	Alfalfa	Primary	7440-02-0	Nickel	10.82	0.250	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	16:55	
Grazing	PAG99-13(A)	P9901626	P1-2A-A	NA	Alfalfa	Primary	8075-39-6	Manganese	39.68	0.070	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	16:55	
Grazing	PAG99-13(A)	P9901626	P1-2A-A	NA	Alfalfa	Primary	7439-89-6	Iron	54.15	0.220	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	16:55	
Grazing	PAG99-13(A)	P9901626	P1-2A-A	NA	Alfalfa	Primary	7440-47-3	Chromium	0.3723	0.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	16:55	
Grazing	PAG99-13(A)	P9901626	P1-2A-A	NA	Alfalfa	Primary	7429-90-5	Aluminum	31.83	2.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	16:55	
Grazing	PAG99-13(A)	P9901626	P1-2A-A	NA	Alfalfa	Primary	7440-62-2	Vanadium	0.0879	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	16:55	
Grazing	PAG99-13(A)	P9901626	P1-2A-A	NA	Alfalfa	Primary	7440-50-8	Copper	10.68	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	16:55	
Grazing	PAG99-13(A)	P9901627	P1-2A-G	NA	Grass Mix	Primary	7439-98-7	Molybdenum	18.19	1.100	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:00	
Grazing	PAG99-13(A)	P9901627	P1-2A-G	NA	Grass Mix	Primary	7440-66-6	Zinc	34.27	0.330	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:00	
Grazing	PAG99-13(A)	P9901627	P1-2A-G	NA	Grass Mix	Primary	7440-43-9	Cadmium	0.1891	0.140	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:00	
Grazing	PAG99-13(A)	P9901627	P1-2A-G	NA	Grass Mix	Primary	7439-92-1	Lead	0.295	2.700	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:00	
Grazing	PAG99-13(A)	P9901627	P1-2A-G	NA	Grass Mix	Primary	7440-48-4	Cobalt	-0.3368	0.570	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:00	
Grazing	PAG99-13(A)	P9901627	P1-2A-G	NA	Grass Mix	Primary	7440-02-0	Nickel	3.023	0.250	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:00	
Grazing	PAG99-13(A)	P9901627	P1-2A-G	NA	Grass Mix	Primary	8075-39-6	Manganese	28.97	0.070	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:00	
Grazing	PAG99-13(A)	P9901627	P1-2A-G	NA	Grass Mix	Primary	7439-89-6	Iron	56.04	0.220	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:00	
Grazing	PAG99-13(A)	P9901627	P1-2A-G	NA	Grass Mix	Primary	7440-47-3	Chromium	0.6078	0.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:00	
Grazing	PAG99-13(A)	P9901627	P1-2A-G	NA	Grass Mix	Primary	7429-90-5	Aluminum	45.36	2.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:00	
Grazing	PAG99-13(A)	P9901627	P1-2A-G	NA	Grass Mix	Primary	7440-62-2	Vanadium	0.0354	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:00	
Grazing	PAG99-13(A)	P9901627	P1-2A-G	NA	Grass Mix	Primary	7440-50-8	Copper	12.06	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:00	
Grazing	PAG99-13(A)	P9901628	P1-3A-A	NA	Alfalfa	Primary	7439-98-7	Molybdenum	27.84	1.100	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:05	
Grazing	PAG99-13(A)	P9901628	P1-3A-A	NA	Alfalfa	Primary	7440-66-6	Zinc	70.67	0.330	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:05	
Grazing	PAG99-13(A)	P9901628	P1-3A-A	NA	Alfalfa	Primary	7440-43-9	Cadmium	2.335	0.140	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:05	
Grazing	PAG99-13(A)	P9901628	P1-3A-A	NA	Alfalfa	Primary	7439-92-1	Lead	0.5932	2.700	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:05	
Grazing	PAG99-13(A)	P9901628	P1-3A-A	NA	Alfalfa	Primary	7440-48-4	Cobalt	-0.2529	0.570	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:05	
Grazing	PAG99-13(A)	P9901628	P1-3A-A	NA	Alfalfa	Primary	7440-02-0	Nickel	14.3	0.250	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:05	
Grazing	PAG99-13(A)	P9901628	P1-3A-A	NA	Alfalfa	Primary	8075-39-6	Manganese	14.93	0.070	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:05	
Grazing	PAG99-13(A)	P9901628	P1-3A-A	NA	Alfalfa	Primary	7439-89-6	Iron	68.73	0.220	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:05	
Grazing	PAG99-13(A)	P9901628	P1-3A-A	NA	Alfalfa	Primary	7440-47-3	Chromium	0.3859	0.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:05	
Grazing	PAG99-13(A)	P9901628	P1-3A-A	NA	Alfalfa	Primary	7429-90-5	Aluminum	39.25	2.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:05	
Grazing	PAG99-13(A)	P9901628	P1-3A-A	NA	Alfalfa	Primary	7440-62-2	Vanadium	0.3487	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:05	
Grazing	PAG99-13(A)	P9901628	P1-3A-A	NA	Alfalfa	Primary	7440-50-8	Copper	9.488	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:05	
Grazing	PAG99-13(A)	P9901629	P1-3A-G	NA	Grass Mix	Primary	7439-98-7	Molybdenum	16.14	1.100	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:09	
Grazing	PAG99-13(A)	P9901629	P1-3A-G	NA	Grass Mix	Primary	7440-66-6	Zinc	46.59	0.330	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:09	
Grazing	PAG99-13(A)	P9901629	P1-3A-G	NA	Grass Mix	Primary	7440-43-9	Cadmium	0.341	0.140	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:09	
Grazing	PAG99-13(A)	P9901629	P1-3A-G	NA	Grass Mix	Primary	7439-92-1	Lead	-0.4558	2.700	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:09	
Grazing	PAG99-13(A)	P9901629	P1-3A-G	NA	Grass Mix	Primary	7440-48-4	Cobalt	0.1882	0.570	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:09	
Grazing	PAG99-13(A)	P9901629	P1-3A-G	NA	Grass Mix	Primary	7440-02-0	Nickel	3.411	0.250	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:09	
Grazing	PAG99-13(A)	P9901629	P1-3A-G	NA	Grass Mix	Primary	8075-39-6	Manganese	15.11	0.070	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:09	
Grazing	PAG99-13(A)	P9901629	P1-3A-G	NA	Grass Mix	Primary	7439-89-6	Iron	53.13	0.220	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:09	
Grazing	PAG99-13(A)	P9901629	P1-3A-G	NA	Grass Mix	Primary	7440-47-3	Chromium	0.7035	0.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:09	
Grazing	PAG99-13(A)	P9901629	P1-3A-G	NA	Grass Mix	Primary	7429-90-5	Aluminum	30	2.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:09	
Grazing	PAG99-13(A)	P9901629	P1-3A-G	NA	Grass Mix	Primary	7440-62-2	Vanadium	-0.0291	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:09	
Grazing	PAG99-13(A)	P9901629	P1-3A-G	NA	Grass Mix	Primary	7440-50-8	Copper	10.39	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:09	
Grazing	PAG99-13(A)	CR3	Check Standard	NA	Lab QC	CCV	7439-98-7	Molybdenum		1.100	EDL	ug/g	Wet Wt	1		91	NA	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:14	
Grazing	PAG99-13(A)	CR3	Check Standard	NA	Lab QC	CCV	7440-66-6	Zinc		0.330	EDL	ug/g	Wet Wt	1		95	NA	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:14	
Grazing	PAG99-13(A)	CR3	Check Standard	NA	Lab QC	CCV	7440-43-9	Cadmium		0.140	EDL	ug/g	Wet Wt	1		96	NA	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:14	
Grazing	PAG99-13(A)	CR3	Check Standard	NA	Lab QC	CCV	7439-92-1	Lead		2.700	EDL	ug/g	Wet Wt	1		90	NA	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:14	
Grazing	PAG99-13(A)	CR3	Check Standard	NA	Lab QC	CCV	7440-48-4	Cobalt		0.570	EDL	ug/g	Wet Wt	1		95	NA	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:14	
Grazing	PAG99-13(A)	CR3	Check Standard	NA	Lab QC	CCV	7440-02-0	Nickel		0.250	EDL	ug/g	Wet Wt	1		93	NA	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:14	
Grazing	PAG99-13(A)	CR3	Check Standard	NA	Lab QC	CCV	8075-39-6	Manganese		0.070	EDL	ug/g	Wet Wt	1		101	NA	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:14	
Grazing	PAG99-13(A)	CR3	Check Standard	NA	Lab QC	CCV	7439-89-6	Iron		0.220	EDL	ug/g	Wet Wt	1		99	NA	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:14	
Grazing	PAG99-13(A)	CR3	Check Standard	NA	Lab QC	CCV	7440-47-3	Chromium		0.500	EDL	ug/g	Wet Wt	1		93	NA	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:14	

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Grazing	PAG99-13(A)	CR3	Check Standard	NA	Lab QC	CCV	7429-90-5	Aluminum		2.500	EDL	ug/g	Wet Wt	1		101	NA	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:14	
Grazing	PAG99-13(A)	CR3	Check Standard	NA	Lab QC	CCV	7440-62-2	Vanadium		0.520	EDL	ug/g	Wet Wt	1		100	NA	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:14	
Grazing	PAG99-13(A)	CR3	Check Standard	NA	Lab QC	CCV	7440-50-8	Copper		0.520	EDL	ug/g	Wet Wt	1		102	NA	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:14	
Grazing	PAG99-13(A)	P9901629D	P1-3A-G	NA	Grass Mix	FD	7439-98-7	Molybdenum	18.38	1.100	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:18	
Grazing	PAG99-13(A)	P9901629D	P1-3A-G	NA	Grass Mix	FD	7440-66-6	Zinc	51.06	0.330	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:18	
Grazing	PAG99-13(A)	P9901629D	P1-3A-G	NA	Grass Mix	FD	7440-43-9	Cadmium	0.3499	0.140	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:18	
Grazing	PAG99-13(A)	P9901629D	P1-3A-G	NA	Grass Mix	FD	7439-92-1	Lead	0.305	2.700	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:18	
Grazing	PAG99-13(A)	P9901629D	P1-3A-G	NA	Grass Mix	FD	7440-48-4	Cobalt	-0.0167	0.570	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:18	
Grazing	PAG99-13(A)	P9901629D	P1-3A-G	NA	Grass Mix	FD	7440-02-0	Nickel	2.764	0.250	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:18	
Grazing	PAG99-13(A)	P9901629D	P1-3A-G	NA	Grass Mix	FD	8075-39-6	Manganese	16.27	0.070	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:18	
Grazing	PAG99-13(A)	P9901629D	P1-3A-G	NA	Grass Mix	FD	7439-89-6	Iron	56.41	0.220	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:18	
Grazing	PAG99-13(A)	P9901629D	P1-3A-G	NA	Grass Mix	FD	7440-47-3	Chromium	0.733	0.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:18	
Grazing	PAG99-13(A)	P9901629D	P1-3A-G	NA	Grass Mix	FD	7429-90-5	Aluminum	35.29	2.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:18	
Grazing	PAG99-13(A)	P9901629D	P1-3A-G	NA	Grass Mix	FD	7440-62-2	Vanadium	0.0475	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:18	
Grazing	PAG99-13(A)	P9901629D	P1-3A-G	NA	Grass Mix	FD	7440-50-8	Copper	9.94	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:18	
Grazing	PAG99-13(A)	P9901630	P1-4A-A	NA	Alfalfa	Primary	7439-98-7	Molybdenum	25.82	1.100	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:23	
Grazing	PAG99-13(A)	P9901630	P1-4A-A	NA	Alfalfa	Primary	7440-66-6	Zinc	66.35	0.330	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:23	
Grazing	PAG99-13(A)	P9901630	P1-4A-A	NA	Alfalfa	Primary	7440-43-9	Cadmium	2.365	0.140	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:23	
Grazing	PAG99-13(A)	P9901630	P1-4A-A	NA	Alfalfa	Primary	7439-92-1	Lead	-0.8011	2.700	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:23	
Grazing	PAG99-13(A)	P9901630	P1-4A-A	NA	Alfalfa	Primary	7440-48-4	Cobalt	-0.2688	0.570	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:23	
Grazing	PAG99-13(A)	P9901630	P1-4A-A	NA	Alfalfa	Primary	7440-02-0	Nickel	12.8	0.250	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:23	
Grazing	PAG99-13(A)	P9901630	P1-4A-A	NA	Alfalfa	Primary	8075-39-6	Manganese	12.88	0.070	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:23	
Grazing	PAG99-13(A)	P9901630	P1-4A-A	NA	Alfalfa	Primary	7439-89-6	Iron	51.98	0.220	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:23	
Grazing	PAG99-13(A)	P9901630	P1-4A-A	NA	Alfalfa	Primary	7440-47-3	Chromium	0.4872	0.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:23	
Grazing	PAG99-13(A)	P9901630	P1-4A-A	NA	Alfalfa	Primary	7429-90-5	Aluminum	21.75	2.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:23	
Grazing	PAG99-13(A)	P9901630	P1-4A-A	NA	Alfalfa	Primary	7440-62-2	Vanadium	-0.0363	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:23	
Grazing	PAG99-13(A)	P9901630	P1-4A-A	NA	Alfalfa	Primary	7440-50-8	Copper	9.906	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:23	
Grazing	PAG99-13(A)	P9901631	P1-4A-G	NA	Grass Mix	Primary	7439-98-7	Molybdenum	11.43	1.100	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:27	
Grazing	PAG99-13(A)	P9901631	P1-4A-G	NA	Grass Mix	Primary	7440-66-6	Zinc	42.42	0.330	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:27	
Grazing	PAG99-13(A)	P9901631	P1-4A-G	NA	Grass Mix	Primary	7440-43-9	Cadmium	0.8005	0.140	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:27	
Grazing	PAG99-13(A)	P9901631	P1-4A-G	NA	Grass Mix	Primary	7439-92-1	Lead	0.3022	2.700	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:27	
Grazing	PAG99-13(A)	P9901631	P1-4A-G	NA	Grass Mix	Primary	7440-48-4	Cobalt	0.0096	0.570	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:27	
Grazing	PAG99-13(A)	P9901631	P1-4A-G	NA	Grass Mix	Primary	7440-02-0	Nickel	2.36	0.250	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:27	
Grazing	PAG99-13(A)	P9901631	P1-4A-G	NA	Grass Mix	Primary	8075-39-6	Manganese	14.71	0.070	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:27	
Grazing	PAG99-13(A)	P9901631	P1-4A-G	NA	Grass Mix	Primary	7439-89-6	Iron	57.42	0.220	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:27	
Grazing	PAG99-13(A)	P9901631	P1-4A-G	NA	Grass Mix	Primary	7440-47-3	Chromium	0.984	0.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:27	
Grazing	PAG99-13(A)	P9901631	P1-4A-G	NA	Grass Mix	Primary	7429-90-5	Aluminum	35.91	2.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:27	
Grazing	PAG99-13(A)	P9901631	P1-4A-G	NA	Grass Mix	Primary	7440-62-2	Vanadium	0.5363	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:27	
Grazing	PAG99-13(A)	P9901631	P1-4A-G	NA	Grass Mix	Primary	7440-50-8	Copper	9.498	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:27	
Grazing	PAG99-13(A)	CB-1	Corn Bran	NA	Plant Tissue	SRM	7440-66-6	Zinc	19.71	0.330	EDL	ug/g	Wet Wt	1	18.6	106	NA	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:32	
Grazing	PAG99-13(A)	CB-1	Corn Bran	NA	Plant Tissue	SRM	8075-39-6	Manganese	2.582	0.070	EDL	ug/g	Wet Wt	1	2.55	101	NA	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:32	
Grazing	PAG99-13(A)	CB-1	Corn Bran	NA	Plant Tissue	SRM	7439-89-6	Iron	13.99	0.220	EDL	ug/g	Wet Wt	1	14.8	95	NA	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:32	
Grazing	PAG99-13(A)	CB-1	Corn Bran	NA	Plant Tissue	SRM	7440-50-8	Copper	2.605	0.520	EDL	ug/g	Wet Wt	1	2.47	105	NA	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:32	
Grazing	PAG99-13(A)	P9901632	P1-5A-A	NA	Alfalfa	Primary	7439-98-7	Molybdenum	21.89	1.100	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:36	
Grazing	PAG99-13(A)	P9901632	P1-5A-A	NA	Alfalfa	Primary	7440-66-6	Zinc	69.63	0.330	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:36	
Grazing	PAG99-13(A)	P9901632	P1-5A-A	NA	Alfalfa	Primary	7440-43-9	Cadmium	2.152	0.140	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:36	
Grazing	PAG99-13(A)	P9901632	P1-5A-A	NA	Alfalfa	Primary	7439-92-1	Lead	0.2018	2.700	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:36	
Grazing	PAG99-13(A)	P9901632	P1-5A-A	NA	Alfalfa	Primary	7440-48-4	Cobalt	-0.0435	0.570	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:36	
Grazing	PAG99-13(A)	P9901632	P1-5A-A	NA	Alfalfa	Primary	7440-02-0	Nickel	11.77	0.250	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:36	
Grazing	PAG99-13(A)	P9901632	P1-5A-A	NA	Alfalfa	Primary	8075-39-6	Manganese	16.3	0.070	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:36	
Grazing	PAG99-13(A)	P9901632	P1-5A-A	NA	Alfalfa	Primary	7439-89-6	Iron	51.6	0.220	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:36	
Grazing	PAG99-13(A)	P9901632	P1-5A-A	NA	Alfalfa	Primary	7440-47-3	Chromium	0.3981	0.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:36	
Grazing	PAG99-13(A)	P9901632	P1-5A-A	NA	Alfalfa	Primary	7429-90-5	Aluminum	23.28	2.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:36	
Grazing	PAG99-13(A)	P9901632	P1-5A-A	NA	Alfalfa	Primary	7440-62-2	Vanadium	0.1006	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:36	
Grazing	PAG99-13(A)	P9901632	P1-5A-A	NA	Alfalfa	Primary	7440-50-8	Copper	11.93	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:36	
Grazing	PAG99-13(A)	P9901633	P1-5A-G	NA	Grass Mix	Primary	7439-98-7	Molybdenum	18.98	1.100	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:41	
Grazing	PAG99-13(A)	P9901633	P1-5A-G	NA	Grass Mix	Primary	7440-66-6	Zinc	48	0.330	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:41	
Grazing	PAG99-13(A)	P9901633	P1-5A-G	NA	Grass Mix	Primary	7440-43-9	Cadmium	0.5472	0.140	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:41	

ATTACHMENT A
MWH EDD - 1999 - 2000 CATTLE TISSUE AND BLOOD DATA

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Grazing	PAG99-13(A)	P9901633	P1-5A-G	NA	Grass Mix	Primary	7439-92-1	Lead	-0.1938	2.700	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:41	
Grazing	PAG99-13(A)	P9901633	P1-5A-G	NA	Grass Mix	Primary	7440-48-4	Cobalt	-0.2077	0.570	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:41	
Grazing	PAG99-13(A)	P9901633	P1-5A-G	NA	Grass Mix	Primary	7440-02-0	Nickel	4.056	0.250	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:41	
Grazing	PAG99-13(A)	P9901633	P1-5A-G	NA	Grass Mix	Primary	8075-39-6	Manganese	22.59	0.070	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:41	
Grazing	PAG99-13(A)	P9901633	P1-5A-G	NA	Grass Mix	Primary	7439-89-6	Iron	66.23	0.220	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:41	
Grazing	PAG99-13(A)	P9901633	P1-5A-G	NA	Grass Mix	Primary	7440-47-3	Chromium	2.808	0.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:41	
Grazing	PAG99-13(A)	P9901633	P1-5A-G	NA	Grass Mix	Primary	7429-90-5	Aluminum	93.73	2.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:41	
Grazing	PAG99-13(A)	P9901633	P1-5A-G	NA	Grass Mix	Primary	7440-62-2	Vanadium	1.621	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:41	
Grazing	PAG99-13(A)	P9901633	P1-5A-G	NA	Grass Mix	Primary	7440-50-8	Copper	12.31	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:41	
Grazing	PAG99-13(A)	P9901634	P2-1A-A	NA	Alfalfa	Primary	7439-98-7	Molybdenum	10.51	1.100	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:45	
Grazing	PAG99-13(A)	P9901634	P2-1A-A	NA	Alfalfa	Primary	7440-66-6	Zinc	19.15	0.330	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:45	
Grazing	PAG99-13(A)	P9901634	P2-1A-A	NA	Alfalfa	Primary	7440-43-9	Cadmium	0.4544	0.140	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:45	
Grazing	PAG99-13(A)	P9901634	P2-1A-A	NA	Alfalfa	Primary	7439-92-1	Lead	-0.6449	2.700	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:45	
Grazing	PAG99-13(A)	P9901634	P2-1A-A	NA	Alfalfa	Primary	7440-48-4	Cobalt	-0.075	0.570	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:45	
Grazing	PAG99-13(A)	P9901634	P2-1A-A	NA	Alfalfa	Primary	7440-02-0	Nickel	4.737	0.250	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:45	
Grazing	PAG99-13(A)	P9901634	P2-1A-A	NA	Alfalfa	Primary	8075-39-6	Manganese	21.82	0.070	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:45	
Grazing	PAG99-13(A)	P9901634	P2-1A-A	NA	Alfalfa	Primary	7439-89-6	Iron	56.5	0.220	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:45	
Grazing	PAG99-13(A)	P9901634	P2-1A-A	NA	Alfalfa	Primary	7440-47-3	Chromium	0.4013	0.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:45	
Grazing	PAG99-13(A)	P9901634	P2-1A-A	NA	Alfalfa	Primary	7429-90-5	Aluminum	16.74	2.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:45	
Grazing	PAG99-13(A)	P9901634	P2-1A-A	NA	Alfalfa	Primary	7440-62-2	Vanadium	-0.1981	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:45	
Grazing	PAG99-13(A)	P9901634	P2-1A-A	NA	Alfalfa	Primary	7440-50-8	Copper	5.625	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:45	
Grazing	PAG99-13(A)	P9901635	P2-1A-G	NA	Grass Mix	Primary	7439-98-7	Molybdenum	14.96	1.100	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:50	
Grazing	PAG99-13(A)	P9901635	P2-1A-G	NA	Grass Mix	Primary	7440-66-6	Zinc	49.82	0.330	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:50	
Grazing	PAG99-13(A)	P9901635	P2-1A-G	NA	Grass Mix	Primary	7440-43-9	Cadmium	0.2443	0.140	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:50	
Grazing	PAG99-13(A)	P9901635	P2-1A-G	NA	Grass Mix	Primary	7439-92-1	Lead	1.234	2.700	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:50	
Grazing	PAG99-13(A)	P9901635	P2-1A-G	NA	Grass Mix	Primary	7440-48-4	Cobalt	-0.1241	0.570	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:50	
Grazing	PAG99-13(A)	P9901635	P2-1A-G	NA	Grass Mix	Primary	7440-02-0	Nickel	2.762	0.250	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:50	
Grazing	PAG99-13(A)	P9901635	P2-1A-G	NA	Grass Mix	Primary	8075-39-6	Manganese	20.09	0.070	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:50	
Grazing	PAG99-13(A)	P9901635	P2-1A-G	NA	Grass Mix	Primary	7439-89-6	Iron	49.18	0.220	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:50	
Grazing	PAG99-13(A)	P9901635	P2-1A-G	NA	Grass Mix	Primary	7440-47-3	Chromium	0.24115	0.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:50	
Grazing	PAG99-13(A)	P9901635	P2-1A-G	NA	Grass Mix	Primary	7429-90-5	Aluminum	19.61	2.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:50	
Grazing	PAG99-13(A)	P9901635	P2-1A-G	NA	Grass Mix	Primary	7440-62-2	Vanadium	0.3357	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:50	
Grazing	PAG99-13(A)	P9901635	P2-1A-G	NA	Grass Mix	Primary	7440-50-8	Copper	10.15	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:50	
Grazing	PAG99-13(A)	P9901636	P2-2A-A	NA	Alfalfa	Primary	7439-98-7	Molybdenum	5.167	1.100	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:55	
Grazing	PAG99-13(A)	P9901636	P2-2A-A	NA	Alfalfa	Primary	7440-66-6	Zinc	62.07	0.330	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:55	
Grazing	PAG99-13(A)	P9901636	P2-2A-A	NA	Alfalfa	Primary	7440-43-9	Cadmium	1.144	0.140	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:55	
Grazing	PAG99-13(A)	P9901636	P2-2A-A	NA	Alfalfa	Primary	7439-92-1	Lead	0.0458	2.700	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:55	
Grazing	PAG99-13(A)	P9901636	P2-2A-A	NA	Alfalfa	Primary	7440-48-4	Cobalt	0.223	0.570	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:55	
Grazing	PAG99-13(A)	P9901636	P2-2A-A	NA	Alfalfa	Primary	7440-02-0	Nickel	6.752	0.250	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:55	
Grazing	PAG99-13(A)	P9901636	P2-2A-A	NA	Alfalfa	Primary	8075-39-6	Manganese	21.79	0.070	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:55	
Grazing	PAG99-13(A)	P9901636	P2-2A-A	NA	Alfalfa	Primary	7439-89-6	Iron	54.15	0.220	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:55	
Grazing	PAG99-13(A)	P9901636	P2-2A-A	NA	Alfalfa	Primary	7440-47-3	Chromium	0.4995	0.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:55	
Grazing	PAG99-13(A)	P9901636	P2-2A-A	NA	Alfalfa	Primary	7429-90-5	Aluminum	19.36	2.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:55	
Grazing	PAG99-13(A)	P9901636	P2-2A-A	NA	Alfalfa	Primary	7440-62-2	Vanadium	-0.0877	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:55	
Grazing	PAG99-13(A)	P9901636	P2-2A-A	NA	Alfalfa	Primary	7440-50-8	Copper	7.194	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:55	
Grazing	PAG99-13(A)	P9901637	P2-2A-G	NA	Grass Mix	Primary	7439-98-7	Molybdenum	7.414	1.100	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:59	
Grazing	PAG99-13(A)	P9901637	P2-2A-G	NA	Grass Mix	Primary	7440-66-6	Zinc	49.05	0.330	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:59	
Grazing	PAG99-13(A)	P9901637	P2-2A-G	NA	Grass Mix	Primary	7440-43-9	Cadmium	0.4819	0.140	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:59	
Grazing	PAG99-13(A)	P9901637	P2-2A-G	NA	Grass Mix	Primary	7439-92-1	Lead	0.2143	2.700	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:59	
Grazing	PAG99-13(A)	P9901637	P2-2A-G	NA	Grass Mix	Primary	7440-48-4	Cobalt	-0.0985	0.570	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:59	
Grazing	PAG99-13(A)	P9901637	P2-2A-G	NA	Grass Mix	Primary	7440-02-0	Nickel	4.725	0.250	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:59	
Grazing	PAG99-13(A)	P9901637	P2-2A-G	NA	Grass Mix	Primary	8075-39-6	Manganese	32.13	0.070	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:59	
Grazing	PAG99-13(A)	P9901637	P2-2A-G	NA	Grass Mix	Primary	7439-89-6	Iron	78.63	0.220	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:59	
Grazing	PAG99-13(A)	P9901637	P2-2A-G	NA	Grass Mix	Primary	7440-47-3	Chromium	1.49	0.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:59	
Grazing	PAG99-13(A)	P9901637	P2-2A-G	NA	Grass Mix	Primary	7429-90-5	Aluminum	42.15	2.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:59	
Grazing	PAG99-13(A)	P9901637	P2-2A-G	NA	Grass Mix	Primary	7440-62-2	Vanadium	0.4875	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:59	
Grazing	PAG99-13(A)	P9901637	P2-2A-G	NA	Grass Mix	Primary	7440-50-8	Copper	12.27	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	17:59	
Grazing	PAG99-13(A)	P9901638	P2-3A-A	NA	Alfalfa	Primary	7439-98-7	Molybdenum	4.338	1.100	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:04	

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Grazing	PAG99-13(A)	P9901638	P2-3A-A	NA	Alfalfa	Primary	7440-66-6	Zinc	49.16	0.330	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:04	
Grazing	PAG99-13(A)	P9901638	P2-3A-A	NA	Alfalfa	Primary	7440-43-9	Cadmium	0.6756	0.140	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:04	
Grazing	PAG99-13(A)	P9901638	P2-3A-A	NA	Alfalfa	Primary	7439-92-1	Lead	0.7273	2.700	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:04	
Grazing	PAG99-13(A)	P9901638	P2-3A-A	NA	Alfalfa	Primary	7440-48-4	Cobalt	-0.2668	0.570	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:04	
Grazing	PAG99-13(A)	P9901638	P2-3A-A	NA	Alfalfa	Primary	7440-02-0	Nickel	4.369	0.250	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:04	
Grazing	PAG99-13(A)	P9901638	P2-3A-A	NA	Alfalfa	Primary	8075-39-6	Manganese	23.28	0.070	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:04	
Grazing	PAG99-13(A)	P9901638	P2-3A-A	NA	Alfalfa	Primary	7439-89-6	Iron	47.75	0.220	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:04	
Grazing	PAG99-13(A)	P9901638	P2-3A-A	NA	Alfalfa	Primary	7440-47-3	Chromium	0.2671	0.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:04	
Grazing	PAG99-13(A)	P9901638	P2-3A-A	NA	Alfalfa	Primary	7429-90-5	Aluminum	16.41	2.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:04	
Grazing	PAG99-13(A)	P9901638	P2-3A-A	NA	Alfalfa	Primary	7440-62-2	Vanadium	-0.2265	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:04	
Grazing	PAG99-13(A)	P9901638	P2-3A-A	NA	Alfalfa	Primary	7440-50-8	Copper	8.265	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:04	
Grazing	PAG99-13(A)	P9901639	P2-3A-G	NA	Grass Mix	Primary	7439-98-7	Molybdenum	5.536	1.100	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:08	
Grazing	PAG99-13(A)	P9901639	P2-3A-G	NA	Grass Mix	Primary	7440-66-6	Zinc	60.7	0.330	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:08	
Grazing	PAG99-13(A)	P9901639	P2-3A-G	NA	Grass Mix	Primary	7440-43-9	Cadmium	0.2565	0.140	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:08	
Grazing	PAG99-13(A)	P9901639	P2-3A-G	NA	Grass Mix	Primary	7439-92-1	Lead	-0.1982	2.700	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:08	
Grazing	PAG99-13(A)	P9901639	P2-3A-G	NA	Grass Mix	Primary	7440-48-4	Cobalt	-0.2935	0.570	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:08	
Grazing	PAG99-13(A)	P9901639	P2-3A-G	NA	Grass Mix	Primary	7440-02-0	Nickel	4.61	0.250	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:08	
Grazing	PAG99-13(A)	P9901639	P2-3A-G	NA	Grass Mix	Primary	8075-39-6	Manganese	27.47	0.070	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:08	
Grazing	PAG99-13(A)	P9901639	P2-3A-G	NA	Grass Mix	Primary	7439-89-6	Iron	42.35	0.220	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:08	
Grazing	PAG99-13(A)	P9901639	P2-3A-G	NA	Grass Mix	Primary	7440-47-3	Chromium	0.0352	0.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:08	
Grazing	PAG99-13(A)	P9901639	P2-3A-G	NA	Grass Mix	Primary	7429-90-5	Aluminum	18.73	2.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:08	
Grazing	PAG99-13(A)	P9901639	P2-3A-G	NA	Grass Mix	Primary	7440-62-2	Vanadium	-0.0986	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:08	
Grazing	PAG99-13(A)	P9901639	P2-3A-G	NA	Grass Mix	Primary	7440-50-8	Copper	9.663	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:08	
Grazing	PAG99-13(A)	CR3	Check Standard	NA	Lab QC	CCV	7439-98-7	Molybdenum		1.100	EDL	ug/g	Wet Wt	1		94	NA	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:14	
Grazing	PAG99-13(A)	CR3	Check Standard	NA	Lab QC	CCV	7440-66-6	Zinc		0.330	EDL	ug/g	Wet Wt	1		99	NA	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:14	
Grazing	PAG99-13(A)	CR3	Check Standard	NA	Lab QC	CCV	7440-43-9	Cadmium		0.140	EDL	ug/g	Wet Wt	1		99	NA	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:14	
Grazing	PAG99-13(A)	CR3	Check Standard	NA	Lab QC	CCV	7439-92-1	Lead		2.700	EDL	ug/g	Wet Wt	1		97	NA	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:14	
Grazing	PAG99-13(A)	CR3	Check Standard	NA	Lab QC	CCV	7440-48-4	Cobalt		0.570	EDL	ug/g	Wet Wt	1		98	NA	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:14	
Grazing	PAG99-13(A)	CR3	Check Standard	NA	Lab QC	CCV	7440-02-0	Nickel		0.250	EDL	ug/g	Wet Wt	1		97	NA	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:14	
Grazing	PAG99-13(A)	CR3	Check Standard	NA	Lab QC	CCV	8075-39-6	Manganese		0.070	EDL	ug/g	Wet Wt	1		99	NA	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:14	
Grazing	PAG99-13(A)	CR3	Check Standard	NA	Lab QC	CCV	7439-89-6	Iron		0.220	EDL	ug/g	Wet Wt	1		100	NA	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:14	
Grazing	PAG99-13(A)	CR3	Check Standard	NA	Lab QC	CCV	7440-47-3	Chromium		0.500	EDL	ug/g	Wet Wt	1		97	NA	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:14	
Grazing	PAG99-13(A)	CR3	Check Standard	NA	Lab QC	CCV	7429-90-5	Aluminum		2.500	EDL	ug/g	Wet Wt	1		101	NA	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:14	
Grazing	PAG99-13(A)	CR3	Check Standard	NA	Lab QC	CCV	7440-62-2	Vanadium		0.520	EDL	ug/g	Wet Wt	1		101	NA	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:14	
Grazing	PAG99-13(A)	CR3	Check Standard	NA	Lab QC	CCV	7440-50-8	Copper		0.520	EDL	ug/g	Wet Wt	1		101	NA	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:14	
Grazing	PAG99-13(A)	P9901639D	P2-3A-G	NA	Grass Mix	FD	7439-98-7	Molybdenum	5.521	1.100	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:17	
Grazing	PAG99-13(A)	P9901639D	P2-3A-G	NA	Grass Mix	FD	7440-66-6	Zinc	62.33	0.330	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:17	
Grazing	PAG99-13(A)	P9901639D	P2-3A-G	NA	Grass Mix	FD	7440-43-9	Cadmium	0.334	0.140	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:17	
Grazing	PAG99-13(A)	P9901639D	P2-3A-G	NA	Grass Mix	FD	7439-92-1	Lead	-0.2692	2.700	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:17	
Grazing	PAG99-13(A)	P9901639D	P2-3A-G	NA	Grass Mix	FD	7440-48-4	Cobalt	-0.3503	0.570	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:17	
Grazing	PAG99-13(A)	P9901639D	P2-3A-G	NA	Grass Mix	FD	7440-02-0	Nickel	4.684	0.250	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:17	
Grazing	PAG99-13(A)	P9901639D	P2-3A-G	NA	Grass Mix	FD	8075-39-6	Manganese	27.52	0.070	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:17	
Grazing	PAG99-13(A)	P9901639D	P2-3A-G	NA	Grass Mix	FD	7439-89-6	Iron	39.24	0.220	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:17	
Grazing	PAG99-13(A)	P9901639D	P2-3A-G	NA	Grass Mix	FD	7440-47-3	Chromium	0.3591	0.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:17	
Grazing	PAG99-13(A)	P9901639D	P2-3A-G	NA	Grass Mix	FD	7429-90-5	Aluminum	14.55	2.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:17	
Grazing	PAG99-13(A)	P9901639D	P2-3A-G	NA	Grass Mix	FD	7440-62-2	Vanadium	-0.2096	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:17	
Grazing	PAG99-13(A)	P9901639D	P2-3A-G	NA	Grass Mix	FD	7440-50-8	Copper	10.33	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:17	
Grazing	PAG99-13(A)	P9901640	P2-4A-A	NA	Alfalfa	Primary	7439-98-7	Molybdenum	1.93	1.100	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:23	
Grazing	PAG99-13(A)	P9901640	P2-4A-A	NA	Alfalfa	Primary	7440-66-6	Zinc	55.98	0.330	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:23	
Grazing	PAG99-13(A)	P9901640	P2-4A-A	NA	Alfalfa	Primary	7440-43-9	Cadmium	0.5822	0.140	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:23	
Grazing	PAG99-13(A)	P9901640	P2-4A-A	NA	Alfalfa	Primary	7439-92-1	Lead	1.82	2.700	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:23	
Grazing	PAG99-13(A)	P9901640	P2-4A-A	NA	Alfalfa	Primary	7440-48-4	Cobalt	-0.0167	0.570	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:23	
Grazing	PAG99-13(A)	P9901640	P2-4A-A	NA	Alfalfa	Primary	7440-02-0	Nickel	5.24	0.250	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:23	
Grazing	PAG99-13(A)	P9901640	P2-4A-A	NA	Alfalfa	Primary	8075-39-6	Manganese	37.6	0.070	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:23	
Grazing	PAG99-13(A)	P9901640	P2-4A-A	NA	Alfalfa	Primary	7439-89-6	Iron	57.8	0.220	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:23	
Grazing	PAG99-13(A)	P9901640	P2-4A-A	NA	Alfalfa	Primary	7440-47-3	Chromium	0.5736	0.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:23	
Grazing	PAG99-13(A)	P9901640	P2-4A-A	NA	Alfalfa	Primary	7429-90-5	Aluminum	19.1	2.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:23	
Grazing	PAG99-13(A)	P9901640	P2-4A-A	NA	Alfalfa	Primary	7440-62-2	Vanadium	0.0755	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:23	

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Grazing	PAG99-13(A)	P9901640	P2-4A-A	NA	Alfalfa	Primary	7440-50-8	Copper	8.103	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:23	
Grazing	PAG99-13(A)	P9901641	P2-4A-G	NA	Grass Mix	Primary	7439-98-7	Molybdenum	4.098	1.100	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:27	
Grazing	PAG99-13(A)	P9901641	P2-4A-G	NA	Grass Mix	Primary	7440-66-6	Zinc	54.74	0.330	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:27	
Grazing	PAG99-13(A)	P9901641	P2-4A-G	NA	Grass Mix	Primary	7440-43-9	Cadmium	0.5253	0.140	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:27	
Grazing	PAG99-13(A)	P9901641	P2-4A-G	NA	Grass Mix	Primary	7439-92-1	Lead	1.819	2.700	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:27	
Grazing	PAG99-13(A)	P9901641	P2-4A-G	NA	Grass Mix	Primary	7440-48-4	Cobalt	-0.2644	0.570	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:27	
Grazing	PAG99-13(A)	P9901641	P2-4A-G	NA	Grass Mix	Primary	7440-02-0	Nickel	3.097	0.250	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:27	
Grazing	PAG99-13(A)	P9901641	P2-4A-G	NA	Grass Mix	Primary	8075-39-6	Manganese	36.02	0.070	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:27	
Grazing	PAG99-13(A)	P9901641	P2-4A-G	NA	Grass Mix	Primary	7439-89-6	Iron	49.19	0.220	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:27	
Grazing	PAG99-13(A)	P9901641	P2-4A-G	NA	Grass Mix	Primary	7440-47-3	Chromium	0.4205	0.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:27	
Grazing	PAG99-13(A)	P9901641	P2-4A-G	NA	Grass Mix	Primary	7429-90-5	Aluminum	32.55	2.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:27	
Grazing	PAG99-13(A)	P9901641	P2-4A-G	NA	Grass Mix	Primary	7440-62-2	Vanadium	0.1819	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:27	
Grazing	PAG99-13(A)	P9901641	P2-4A-G	NA	Grass Mix	Primary	7440-50-8	Copper	13.41	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:27	
Grazing	PAG99-13(A)	P9901642	P2-5A-A	NA	Alfalfa	Primary	7439-98-7	Molybdenum	3.488	1.100	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:32	
Grazing	PAG99-13(A)	P9901642	P2-5A-A	NA	Alfalfa	Primary	7440-66-6	Zinc	72.03	0.330	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:32	
Grazing	PAG99-13(A)	P9901642	P2-5A-A	NA	Alfalfa	Primary	7440-43-9	Cadmium	0.9802	0.140	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:32	
Grazing	PAG99-13(A)	P9901642	P2-5A-A	NA	Alfalfa	Primary	7439-92-1	Lead	0.3141	2.700	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:32	
Grazing	PAG99-13(A)	P9901642	P2-5A-A	NA	Alfalfa	Primary	7440-48-4	Cobalt	-0.007	0.570	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:32	
Grazing	PAG99-13(A)	P9901642	P2-5A-A	NA	Alfalfa	Primary	7440-02-0	Nickel	11.27	0.250	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:32	
Grazing	PAG99-13(A)	P9901642	P2-5A-A	NA	Alfalfa	Primary	8075-39-6	Manganese	36.99	0.070	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:32	
Grazing	PAG99-13(A)	P9901642	P2-5A-A	NA	Alfalfa	Primary	7439-89-6	Iron	55.69	0.220	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:32	
Grazing	PAG99-13(A)	P9901642	P2-5A-A	NA	Alfalfa	Primary	7440-47-3	Chromium	0.2859	0.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:32	
Grazing	PAG99-13(A)	P9901642	P2-5A-A	NA	Alfalfa	Primary	7429-90-5	Aluminum	12.16	2.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:32	
Grazing	PAG99-13(A)	P9901642	P2-5A-A	NA	Alfalfa	Primary	7440-62-2	Vanadium	-0.2663	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:32	
Grazing	PAG99-13(A)	P9901642	P2-5A-A	NA	Alfalfa	Primary	7440-50-8	Copper	10.41	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:32	
Grazing	PAG99-13(A)	P9901643	P2-5A-G	NA	Grass Mix	Primary	7439-98-7	Molybdenum	8.127	1.100	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:36	
Grazing	PAG99-13(A)	P9901643	P2-5A-G	NA	Grass Mix	Primary	7440-66-6	Zinc	71.12	0.330	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:36	
Grazing	PAG99-13(A)	P9901643	P2-5A-G	NA	Grass Mix	Primary	7440-43-9	Cadmium	0.4636	0.140	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:36	
Grazing	PAG99-13(A)	P9901643	P2-5A-G	NA	Grass Mix	Primary	7439-92-1	Lead	1.63	2.700	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:36	
Grazing	PAG99-13(A)	P9901643	P2-5A-G	NA	Grass Mix	Primary	7440-48-4	Cobalt	-0.046	0.570	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:36	
Grazing	PAG99-13(A)	P9901643	P2-5A-G	NA	Grass Mix	Primary	7440-02-0	Nickel	6.999	0.250	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:36	
Grazing	PAG99-13(A)	P9901643	P2-5A-G	NA	Grass Mix	Primary	8075-39-6	Manganese	30.17	0.070	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:36	
Grazing	PAG99-13(A)	P9901643	P2-5A-G	NA	Grass Mix	Primary	7439-89-6	Iron	36.03	0.220	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:36	
Grazing	PAG99-13(A)	P9901643	P2-5A-G	NA	Grass Mix	Primary	7440-47-3	Chromium	0.0619	0.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:36	
Grazing	PAG99-13(A)	P9901643	P2-5A-G	NA	Grass Mix	Primary	7429-90-5	Aluminum	13.67	2.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:36	
Grazing	PAG99-13(A)	P9901643	P2-5A-G	NA	Grass Mix	Primary	7440-62-2	Vanadium	-0.2873	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:36	
Grazing	PAG99-13(A)	P9901643	P2-5A-G	NA	Grass Mix	Primary	7440-50-8	Copper	18	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:36	
Grazing	PAG99-13(A)	P9901644	P3-1A-A	NA	Alfalfa	Primary	7439-98-7	Molybdenum	27.4	1.100	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:41	
Grazing	PAG99-13(A)	P9901644	P3-1A-A	NA	Alfalfa	Primary	7440-66-6	Zinc	101.9	0.330	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:41	
Grazing	PAG99-13(A)	P9901644	P3-1A-A	NA	Alfalfa	Primary	7440-43-9	Cadmium	2.184	0.140	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:41	
Grazing	PAG99-13(A)	P9901644	P3-1A-A	NA	Alfalfa	Primary	7439-92-1	Lead	-0.4834	2.700	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:41	
Grazing	PAG99-13(A)	P9901644	P3-1A-A	NA	Alfalfa	Primary	7440-48-4	Cobalt	-0.1154	0.570	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:41	
Grazing	PAG99-13(A)	P9901644	P3-1A-A	NA	Alfalfa	Primary	7440-02-0	Nickel	19.52	0.250	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:41	
Grazing	PAG99-13(A)	P9901644	P3-1A-A	NA	Alfalfa	Primary	8075-39-6	Manganese	24.35	0.070	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:41	
Grazing	PAG99-13(A)	P9901644	P3-1A-A	NA	Alfalfa	Primary	7439-89-6	Iron	56.72	0.220	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:41	
Grazing	PAG99-13(A)	P9901644	P3-1A-A	NA	Alfalfa	Primary	7440-47-3	Chromium	0.5844	0.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:41	
Grazing	PAG99-13(A)	P9901644	P3-1A-A	NA	Alfalfa	Primary	7429-90-5	Aluminum	22.24	2.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:41	
Grazing	PAG99-13(A)	P9901644	P3-1A-A	NA	Alfalfa	Primary	7440-62-2	Vanadium	-0.0814	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:41	
Grazing	PAG99-13(A)	P9901644	P3-1A-A	NA	Alfalfa	Primary	7440-50-8	Copper	14.5	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:41	
Grazing	PAG99-13(A)	P9901645	P3-1A-G	NA	Grass Mix	Primary	7439-98-7	Molybdenum	12.88	1.100	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:46	
Grazing	PAG99-13(A)	P9901645	P3-1A-G	NA	Grass Mix	Primary	7440-66-6	Zinc	58.67	0.330	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:46	
Grazing	PAG99-13(A)	P9901645	P3-1A-G	NA	Grass Mix	Primary	7440-43-9	Cadmium	0.3803	0.140	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:46	
Grazing	PAG99-13(A)	P9901645	P3-1A-G	NA	Grass Mix	Primary	7439-92-1	Lead	0.1839	2.700	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:46	
Grazing	PAG99-13(A)	P9901645	P3-1A-G	NA	Grass Mix	Primary	7440-48-4	Cobalt	-0.2792	0.570	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:46	
Grazing	PAG99-13(A)	P9901645	P3-1A-G	NA	Grass Mix	Primary	7440-02-0	Nickel	3.677	0.250	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:46	
Grazing	PAG99-13(A)	P9901645	P3-1A-G	NA	Grass Mix	Primary	8075-39-6	Manganese	20.27	0.070	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:46	
Grazing	PAG99-13(A)	P9901645	P3-1A-G	NA	Grass Mix	Primary	7439-89-6	Iron	47.71	0.220	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:46	
Grazing	PAG99-13(A)	P9901645	P3-1A-G	NA	Grass Mix	Primary	7440-47-3	Chromium	0.8694	0.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:46	

ATTACHMENT A
MWH EDD - 1999-2000 CATTLE TISSUE AND BLOOD DATA

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Grazing	PAG99-13(A)	P9901645	P3-1A-G	NA	Grass Mix	Primary	7429-90-5	Aluminum	20.94	2.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:46	
Grazing	PAG99-13(A)	P9901645	P3-1A-G	NA	Grass Mix	Primary	7440-62-2	Vanadium	0.2365	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:46	
Grazing	PAG99-13(A)	P9901645	P3-1A-G	NA	Grass Mix	Primary	7440-50-8	Copper	10.24	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:46	
Grazing	PAG99-13(A)	HRL	House Ref. Liver	NA	Animal Tissue	HRL	7439-98-7	Molybdenum	3.994	1.100	EDL	ug/g	Wet Wt	1	3.18	126	NA	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:50	
Grazing	PAG99-13(A)	HRL	House Ref. Liver	NA	Animal Tissue	HRL	7440-66-6	Zinc	117.8	0.330	EDL	ug/g	Wet Wt	1	119	99	NA	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:50	
Grazing	PAG99-13(A)	HRL	House Ref. Liver	NA	Animal Tissue	HRL	7440-43-9	Cadmium	51.7	0.140	EDL	ug/g	Wet Wt	1	54.4	95	NA	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:50	
Grazing	PAG99-13(A)	HRL	House Ref. Liver	NA	Animal Tissue	HRL	7439-92-1	Lead	44.14	2.700	EDL	ug/g	Wet Wt	1	47.9	92	NA	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:50	
Grazing	PAG99-13(A)	HRL	House Ref. Liver	NA	Animal Tissue	HRL	7440-48-4	Cobalt	43.02	0.570	EDL	ug/g	Wet Wt	1	44.1	98	NA	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:50	
Grazing	PAG99-13(A)	HRL	House Ref. Liver	NA	Animal Tissue	HRL	8075-39-6	Manganese	9.799	0.070	EDL	ug/g	Wet Wt	1	10.1	97	NA	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:50	
Grazing	PAG99-13(A)	HRL	House Ref. Liver	NA	Animal Tissue	HRL	7439-89-6	Iron	186.4	0.220	EDL	ug/g	Wet Wt	1	183	102	NA	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:50	
Grazing	PAG99-13(A)	HRL	House Ref. Liver	NA	Animal Tissue	HRL	7440-47-3	Chromium	48.52	0.500	EDL	ug/g	Wet Wt	1	49.2	99	NA	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:50	
Grazing	PAG99-13(A)	HRL	House Ref. Liver	NA	Animal Tissue	HRL	7440-50-8	Copper	134.9	0.520	EDL	ug/g	Wet Wt	1	123	110	NA	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:50	
Grazing	PAG99-13(A)	CR3	Check Standard	NA	Lab QC	CCV	7439-98-7	Molybdenum		1.100	EDL	ug/g	Wet Wt	1		87	NA	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:55	
Grazing	PAG99-13(A)	CR3	Check Standard	NA	Lab QC	CCV	7440-66-6	Zinc		0.330	EDL	ug/g	Wet Wt	1		93	NA	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:55	
Grazing	PAG99-13(A)	CR3	Check Standard	NA	Lab QC	CCV	7440-43-9	Cadmium		0.140	EDL	ug/g	Wet Wt	1		93	NA	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:55	
Grazing	PAG99-13(A)	CR3	Check Standard	NA	Lab QC	CCV	7439-92-1	Lead		2.700	EDL	ug/g	Wet Wt	1		90	NA	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:55	
Grazing	PAG99-13(A)	CR3	Check Standard	NA	Lab QC	CCV	7440-48-4	Cobalt		0.570	EDL	ug/g	Wet Wt	1		93	NA	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:55	
Grazing	PAG99-13(A)	CR3	Check Standard	NA	Lab QC	CCV	7440-02-0	Nickel		0.250	EDL	ug/g	Wet Wt	1		91	NA	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:55	
Grazing	PAG99-13(A)	CR3	Check Standard	NA	Lab QC	CCV	8075-39-6	Manganese		0.070	EDL	ug/g	Wet Wt	1		98	NA	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:55	
Grazing	PAG99-13(A)	CR3	Check Standard	NA	Lab QC	CCV	7439-89-6	Iron		0.220	EDL	ug/g	Wet Wt	1		97	NA	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:55	
Grazing	PAG99-13(A)	CR3	Check Standard	NA	Lab QC	CCV	7440-47-3	Chromium		0.500	EDL	ug/g	Wet Wt	1		92	NA	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:55	
Grazing	PAG99-13(A)	CR3	Check Standard	NA	Lab QC	CCV	7429-90-5	Aluminum		2.500	EDL	ug/g	Wet Wt	1		93	NA	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:55	
Grazing	PAG99-13(A)	CR3	Check Standard	NA	Lab QC	CCV	7440-62-2	Vanadium		0.520	EDL	ug/g	Wet Wt	1		97	NA	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:55	
Grazing	PAG99-13(A)	CR3	Check Standard	NA	Lab QC	CCV	7440-50-8	Copper		0.520	EDL	ug/g	Wet Wt	1		101	NA	ICP - TES	TESICP_09-14-99	0914PMIC	9/9/1999	9/14/1999	18:55	
Grazing	PAG99-13(A)	HRL1	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.601	0.020	EDL	ug/g	Wet Wt	1	0.446	135	NA	ICP, Hydride	VGICP_10-13-99	1013SEHA	10/12/1999	10/13/1999	10:42	
Grazing	PAG99-13_C	P9901624	P1-1A-A	NA	Alfalfa	Primary	7782-49-2	Selenium	1.29	0.020	EDL	ug/g	Wet Wt	1			8/17/1999	ICP, Hydride	VGICP_10-13-99	1013SEHA	10/12/1999	10/13/1999	10:51	
Grazing	PAG99-13_C	P9901625	P1-1A-G	NA	Grass Mix	Primary	7782-49-2	Selenium	0.538	0.020	EDL	ug/g	Wet Wt	1			8/17/1999	ICP, Hydride	VGICP_10-13-99	1013SEHA	10/12/1999	10/13/1999	10:54	
Grazing	PAG99-13_C	P9901626	P1-2A-A	NA	Alfalfa	Primary	7782-49-2	Selenium	1.73	0.020	EDL	ug/g	Wet Wt	1			8/17/1999	ICP, Hydride	VGICP_10-13-99	1013SEHA	10/12/1999	10/13/1999	10:57	
Grazing	PAG99-13_C	P9901626D	P1-2A-A	NA	Alfalfa	ıb Duplica	7782-49-2	Selenium	2.58	0.020	EDL	ug/g	Wet Wt	1			8/17/1999	ICP, Hydride	VGICP_10-13-99	1013SEHA	10/12/1999	10/13/1999	11:00	
Grazing	PAG99-13_C	P9901627	P1-2A-G	NA	Grass Mix	Primary	7782-49-2	Selenium	0.438	0.020	EDL	ug/g	Wet Wt	1			8/17/1999	ICP, Hydride	VGICP_10-13-99	1013SEHA	10/12/1999	10/13/1999	11:03	
Grazing	PAG99-13_C	P9901628	P1-3A-A	NA	Alfalfa	Primary	7782-49-2	Selenium	2.41	0.020	EDL	ug/g	Wet Wt	1			8/17/1999	ICP, Hydride	VGICP_10-13-99	1013SEHA	10/12/1999	10/13/1999	11:06	
Grazing	PAG99-13_C	P9901629	P1-3A-G	NA	Grass Mix	Primary	7782-49-2	Selenium	0.533	0.020	EDL	ug/g	Wet Wt	1			8/17/1999	ICP, Hydride	VGICP_10-13-99	1013SEHA	10/12/1999	10/13/1999	11:09	
Grazing	PAG99-13_C	P9901630	P1-4A-A	NA	Alfalfa	Primary	7782-49-2	Selenium	2.02	0.020	EDL	ug/g	Wet Wt	1			8/17/1999	ICP, Hydride	VGICP_10-13-99	1013SEHA	10/12/1999	10/13/1999	11:12	
Grazing	PAG99-13_C	P9901631	P1-4A-G	NA	Grass Mix	Primary	7782-49-2	Selenium	0.477	0.020	EDL	ug/g	Wet Wt	1			8/17/1999	ICP, Hydride	VGICP_10-13-99	1013SEHA	10/12/1999	10/13/1999	11:15	
Grazing	PAG99-13_C	P9901632	P1-5A-A	NA	Alfalfa	Primary	7782-49-2	Selenium	2.21	0.020	EDL	ug/g	Wet Wt	1			8/17/1999	ICP, Hydride	VGICP_10-13-99	1013SEHA	10/12/1999	10/13/1999	11:17	
Grazing	PAG99-13(A)	HRL2	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.493	0.020	EDL	ug/g	Wet Wt	1	0.446	111	NA	ICP, Hydride	VGICP_10-13-99	1013SEHA	10/12/1999	10/13/1999	11:20	
Grazing	PAG99-13(A)	HRL	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.398	0.020	EDL	ug/g	Wet Wt	1	0.446	89	NA	ICP, Hydride	VGICP_11-23-99	1123SEH	11/15/1999	11/23/1999	12:32	
Grazing	PAG99-13(A)	P9901633	P1-5A-G	NA	Grass Mix	Primary	7782-49-2	Selenium	0.848	0.020	EDL	ug/g	Wet Wt	1			8/17/1999	ICP, Hydride	VGICP_11-23-99	1123SEH	11/15/1999	11/23/1999	12:35	
Grazing	PAG99-13(A)	P9901634	P2-1A-A	NA	Alfalfa	Primary	7782-49-2	Selenium	2.79	0.020	EDL	ug/g	Wet Wt	1			8/17/1999	ICP, Hydride	VGICP_11-23-99	1123SEH	11/15/1999	11/23/1999	12:38	
Grazing	PAG99-13(A)	P9901635	P2-1A-G	NA	Grass Mix	Primary	7782-49-2	Selenium	4.58	0.020	EDL	ug/g	Wet Wt	1			8/17/1999	ICP, Hydride	VGICP_11-23-99	1123SEH	11/15/1999	11/23/1999	12:41	
Grazing	PAG99-13(A)	P9901636	P2-2A-A	NA	Alfalfa	Primary	7782-49-2	Selenium	3.75	0.020	EDL	ug/g	Wet Wt	1			8/17/1999	ICP, Hydride	VGICP_11-23-99	1123SEH	11/15/1999	11/23/1999	12:44	
Grazing	PAG99-13(A)	P9901637	P2-2A-G	NA	Grass Mix	Primary	7782-49-2	Selenium	2.73	0.020	EDL	ug/g	Wet Wt	1			8/17/1999	ICP, Hydride	VGICP_11-23-99	1123SEH	11/15/1999	11/23/1999	12:47	
Grazing	PAG99-13(A)	P9901638	P2-3A-A	NA	Alfalfa	Primary	7782-49-2	Selenium	2.01	0.020	EDL	ug/g	Wet Wt	1			8/17/1999	ICP, Hydride	VGICP_11-23-99	1123SEH	11/15/1999	11/23/1999	12:50	
Grazing	PAG99-13(A)	P9901639	P2-3A-G	NA	Grass Mix	Primary	7782-49-2	Selenium	4.33	0.020	EDL	ug/g	Wet Wt	1			8/17/1999	ICP, Hydride	VGICP_11-23-99	1123SEH	11/15/1999	11/23/1999	12:03	
Grazing	PAG99-13(A)	P9901640	P2-4A-A	NA	Alfalfa	Primary	7782-49-2	Selenium	1.8	0.020	EDL	ug/g	Wet Wt	1			8/17/1999	ICP, Hydride	VGICP_11-23-99	1123SEH	11/15/1999	11/23/1999	13:43	
Grazing	PAG99-13(A)	P9901641	P2-4A-G	NA	Grass Mix	Primary	7782-49-2	Selenium	3.41	0.020	EDL	ug/g	Wet Wt	1			8/17/1999	ICP, Hydride	VGICP_11-23-99	1123SEH	11/15/1999	11/23/1999	13:46	
Grazing	PAG99-13(A)	P9901642	P2-5A-A	NA	Alfalfa	Primary	7782-49-2	Selenium	2.42	0.020	EDL	ug/g	Wet Wt	1			8/17/1999	ICP, Hydride	VGICP_11-23-99	1123SEH	11/15/1999	11/23/1999	13:49	
Grazing	PAG99-13(A)	P9901643	P2-5A-G	NA	Grass Mix	Primary	7782-49-2	Selenium	1.31	0.020	EDL	ug/g	Wet Wt	1			8/17/1999	ICP, Hydride	VGICP_11-23-99	1123SEH	11/15/1999	11/23/1999	13:52	
Grazing	PAG99-13(A)	HRL1	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.669	0.020	EDL	ug/g	Wet Wt	1	0.446	150	NA	ICP, Hydride	VGICP_11-23-99	1123SEH	11/15/1999	11/23/1999	13:58	
Grazing	PAG99-13(A)	P9901645	P3-1A-G	NA	Grass Mix	Primary	7782-49-2	Selenium	37.8	0.020	EDL	ug/g	Wet Wt	1			8/17/1999	ICP, Hydride	VGICP_11-23-99	1123SEH	11/15/1999	11/23/1999	14:00	
Grazing	PAG99-13(A)	P9901646	P3-2A-A	NA	Alfalfa	Primary	7782-49-2	Selenium	43	0.020	EDL	ug/g	Wet Wt	1			8/17/1999	ICP, Hydride	VGICP_11-23-99	1123SEH	11/15/1999	11/23/1999	14:03	
Grazing	PAG99-13(A)	P9901647	P3-2A-G	NA	Grass Mix	Primary	7782-49-2	Selenium	24.7	0.020	EDL	ug/g	Wet Wt	1			8/17/1999	ICP, Hydride	VGICP_11-23-99	1123SEH	11/15/1999	11/23/1999	14:06	
Grazing	PAG99-13(A)	P9901648	P3-3A-A	NA	Alfalfa	Primary	7782-49-2	Selenium	37.9	0.020	EDL	ug/g	Wet Wt	1			8/17/1999	ICP, Hydride	VGICP_11-23-99	1123SEH	11/15/1999	11/23/1999	14:09	
Grazing	PAG99-13(A)	P9901649	P3-3A-G	NA	Grass Mix	Primary	7782-49-2	Selenium	26.1	0.020	EDL	ug/g	Wet Wt	1			8/17/1999	ICP, Hydride	VGICP_11-23-99	1123SEH	11/15/1999	11/23/1999	14:12	
Grazing	PAG99-13(A)	P9901650	P3-4A-A	NA	Alfalfa	Primary	7782-49-2	Selenium	31.6	0.020	EDL	ug/g	Wet Wt	1			8/17/1999	ICP, Hydride	VGICP_11-23-99	1123SEH	11/15/1999	11/23/1999	14:15	
Grazing	PAG99-13(A)	P9901651	P3-4A-G	NA	Grass Mix	Primary	7782-49-2	Selenium	20.5	0.020	EDL	ug/g	Wet Wt	1			8/17/1999	ICP, Hydride	VGICP_11-23-99	1123SEH	11/15/1999	11/23/1999	14:18	
Grazing	PAG99-13(A)	P9901652	P3-5A-A	NA	Alfalfa	Primary	7782-49-2	Selenium	24.8	0.020	EDL	ug/g	Wet Wt	1			8/17/1999	ICP, Hydride	VGICP_11-23-99	1123SEH	11/15/1999	11/23/1999	14:21	
Grazing	PAG99-13(A)	P9901653	P3-5A-G	NA	Grass Mix	Primary	7782-49-2	Selenium	12.4	0.020	EDL	ug/g	Wet Wt	1			8/17/1999	ICP, Hydride	VGICP_11-23-99	1123SEH	11/15/1999	11/23/1999	14:24	

ATTACHMENT A
MWH EDD - 1999 - 2000 CATTLE TISSUE AND BLOOD DATA

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Grazing	PAG99-13(A)	P9901654	P1-1B-A	NA	Alfalfa	Primary	7782-49-2	Selenium	1.32	0.020	EDL	ug/g	Wet Wt	1			8/17/1999	ICP, Hydride	VGICP_11-23-99	1123SEH	11/15/1999	11/23/1999	14:27	
Grazing	PAG99-13(A)	P9901655	P1-1B-G	NA	Grass Mix	Primary	7782-49-2	Selenium	0.352	0.020	EDL	ug/g	Wet Wt	1			8/17/1999	ICP, Hydride	VGICP_11-23-99	1123SEH	11/15/1999	11/23/1999	14:30	
Grazing	PAG99-13(A)	P9901656	P1-2B-A	NA	Alfalfa	Primary	7782-49-2	Selenium	2.01	0.020	EDL	ug/g	Wet Wt	1			8/17/1999	ICP, Hydride	VGICP_11-23-99	1123SEH	11/15/1999	11/23/1999	14:33	
Grazing	PAG99-13(A)	P9901657	P1-2B-G	NA	Grass Mix	Primary	7782-49-2	Selenium	0.188	0.020	EDL	ug/g	Wet Wt	1			8/17/1999	ICP, Hydride	VGICP_11-23-99	1123SEH	11/15/1999	11/23/1999	14:36	
Grazing	PAG99-13(A)	P9901658	P1-3B-A	NA	Alfalfa	Primary	7782-49-2	Selenium	0.241	0.020	EDL	ug/g	Wet Wt	1			8/17/1999	ICP, Hydride	VGICP_11-23-99	1123SEH	11/15/1999	11/23/1999	14:39	
Grazing	PAG99-13(A)	P9901659	P1-3B-G	NA	Grass Mix	Primary	7782-49-2	Selenium	0.265	0.020	EDL	ug/g	Wet Wt	1			8/17/1999	ICP, Hydride	VGICP_11-23-99	1123SEH	11/15/1999	11/23/1999	14:42	
Grazing	PAG99-13(A)	P9901660	P1-4B-A	NA	Alfalfa	Primary	7782-49-2	Selenium	0.361	0.020	EDL	ug/g	Wet Wt	1			8/17/1999	ICP, Hydride	VGICP_11-23-99	1123SEH	11/15/1999	11/23/1999	14:45	
Grazing	PAG99-13(A)	HRL2	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.483	0.020	EDL	ug/g	Wet Wt	1	0.446	108	NA	ICP, Hydride	VGICP_11-23-99	1123SEH	11/15/1999	11/23/1999	14:48	
Grazing	PAG99-13(A)	P9901644	P3-1A-A	NA	Alfalfa	Primary	7782-49-2	Selenium	86.3	0.020	EDL	ug/g	Wet Wt	10			8/17/1999	ICP, Hydride	VGICP_11-23-99	1123SEH	11/15/1999	11/23/1999	14:51	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	7439-98-7	Molybdenum		1.100	EDL	ug/g	Wet Wt	1		91	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	10:05	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	7440-66-6	Zinc		0.330	EDL	ug/g	Wet Wt	1		97	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	10:05	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	7440-43-9	Cadmium		0.140	EDL	ug/g	Wet Wt	1		95	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	10:05	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	7439-92-1	Lead		2.700	EDL	ug/g	Wet Wt	1		103	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	10:05	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	7440-48-4	Cobalt		0.570	EDL	ug/g	Wet Wt	1		95	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	10:05	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	7440-02-0	Nickel		0.250	EDL	ug/g	Wet Wt	1		96	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	10:05	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	8075-39-6	Manganese		0.070	EDL	ug/g	Wet Wt	1		97	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	10:05	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	7439-89-6	Iron		0.220	EDL	ug/g	Wet Wt	1		97	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	10:05	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	7440-47-3	Chromium		0.500	EDL	ug/g	Wet Wt	1		93	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	10:05	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	7429-90-5	Aluminum		2.500	EDL	ug/g	Wet Wt	1		99	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	10:05	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	7440-62-2	Vanadium		0.520	EDL	ug/g	Wet Wt	1		99	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	10:05	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	7440-50-8	Copper		0.520	EDL	ug/g	Wet Wt	1		98	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	10:05	
Grazing	PAG99-13(B)	BLK	Laboratory Blank	NA	Lab QC	Blank	7439-98-7	Molybdenum	-0.0097	1.100	EDL	ug/g	Wet Wt	1			NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	10:09	
Grazing	PAG99-13(B)	BLK	Laboratory Blank	NA	Lab QC	Blank	7440-66-6	Zinc	-0.0152	0.330	EDL	ug/g	Wet Wt	1			NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	10:09	
Grazing	PAG99-13(B)	BLK	Laboratory Blank	NA	Lab QC	Blank	7440-43-9	Cadmium	-0.0015	0.140	EDL	ug/g	Wet Wt	1			NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	10:09	
Grazing	PAG99-13(B)	BLK	Laboratory Blank	NA	Lab QC	Blank	7439-92-1	Lead	-0.0174	2.700	EDL	ug/g	Wet Wt	1			NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	10:09	
Grazing	PAG99-13(B)	BLK	Laboratory Blank	NA	Lab QC	Blank	7440-48-4	Cobalt	0.0029	0.570	EDL	ug/g	Wet Wt	1			NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	10:09	
Grazing	PAG99-13(B)	BLK	Laboratory Blank	NA	Lab QC	Blank	7440-02-0	Nickel	-0.003	0.250	EDL	ug/g	Wet Wt	1			NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	10:09	
Grazing	PAG99-13(B)	BLK	Laboratory Blank	NA	Lab QC	Blank	8075-39-6	Manganese	-0.001	0.070	EDL	ug/g	Wet Wt	1			NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	10:09	
Grazing	PAG99-13(B)	BLK	Laboratory Blank	NA	Lab QC	Blank	7439-89-6	Iron	-0.0237	0.220	EDL	ug/g	Wet Wt	1			NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	10:09	
Grazing	PAG99-13(B)	BLK	Laboratory Blank	NA	Lab QC	Blank	7440-47-3	Chromium	-0.0023	0.500	EDL	ug/g	Wet Wt	1			NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	10:09	
Grazing	PAG99-13(B)	BLK	Laboratory Blank	NA	Lab QC	Blank	7429-90-5	Aluminum	0.1345	2.500	EDL	ug/g	Wet Wt	1			NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	10:09	
Grazing	PAG99-13(B)	BLK	Laboratory Blank	NA	Lab QC	Blank	7440-62-2	Vanadium	0.0002	0.520	EDL	ug/g	Wet Wt	1			NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	10:09	
Grazing	PAG99-13(B)	BLK	Laboratory Blank	NA	Lab QC	Blank	7440-50-8	Copper	-0.0026	0.520	EDL	ug/g	Wet Wt	1			NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	10:09	
Grazing	PAG99-13(B)	HRL	House Ref. Liver	NA	Animal Tissue	HRL	7439-98-7	Molybdenum	3.813	1.100	EDL	ug/g	Wet Wt	1	3.18	120	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/9/1999	9/14/1999	10:14	
Grazing	PAG99-13(B)	HRL	House Ref. Liver	NA	Animal Tissue	HRL	7440-66-6	Zinc	138.7	0.330	EDL	ug/g	Wet Wt	1	119	117	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/9/1999	9/14/1999	10:14	
Grazing	PAG99-13(B)	HRL	House Ref. Liver	NA	Animal Tissue	HRL	7440-43-9	Cadmium	58.56	0.140	EDL	ug/g	Wet Wt	1	54.4	108	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/9/1999	9/14/1999	10:14	
Grazing	PAG99-13(B)	HRL	House Ref. Liver	NA	Animal Tissue	HRL	7439-92-1	Lead	56.35	2.700	EDL	ug/g	Wet Wt	1	47.9	118	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/9/1999	9/14/1999	10:14	
Grazing	PAG99-13(B)	HRL	House Ref. Liver	NA	Animal Tissue	HRL	7440-48-4	Cobalt	48.84	0.570	EDL	ug/g	Wet Wt	1	44.1	111	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/9/1999	9/14/1999	10:14	
Grazing	PAG99-13(B)	HRL	House Ref. Liver	NA	Animal Tissue	HRL	8075-39-6	Manganese	10.96	0.070	EDL	ug/g	Wet Wt	1	10.1	109	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/9/1999	9/14/1999	10:14	
Grazing	PAG99-13(B)	HRL	House Ref. Liver	NA	Animal Tissue	HRL	7439-89-6	Iron	201	0.220	EDL	ug/g	Wet Wt	1	183	110	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/9/1999	9/14/1999	10:14	
Grazing	PAG99-13(B)	HRL	House Ref. Liver	NA	Animal Tissue	HRL	7440-47-3	Chromium	55.13	0.500	EDL	ug/g	Wet Wt	1	49.2	112	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/9/1999	9/14/1999	10:14	
Grazing	PAG99-13(B)	HRL	House Ref. Liver	NA	Animal Tissue	HRL	7440-50-8	Copper	146.2	0.520	EDL	ug/g	Wet Wt	1	123	119	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/9/1999	9/14/1999	10:14	
Grazing	PAG99-13(B)	T-2	TORT-2	NA	Plant Tissue	SRM	7439-98-7	Molybdenum	0.87	1.100	EDL	ug/g	Wet Wt	1	0.95	92	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	10:19	
Grazing	PAG99-13(B)	T-2	TORT-2	NA	Plant Tissue	SRM	7440-66-6	Zinc	214.8	0.330	EDL	ug/g	Wet Wt	1	180	119	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	10:19	
Grazing	PAG99-13(B)	T-2	TORT-2	NA	Plant Tissue	SRM	7440-43-9	Cadmium	30.2	0.140	EDL	ug/g	Wet Wt	1	26.7	113	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	10:19	
Grazing	PAG99-13(B)	T-2	TORT-2	NA	Plant Tissue	SRM	7439-92-1	Lead		2.700	EDL	ug/g	Wet Wt	1			NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	10:19	
Grazing	PAG99-13(B)	T-2	TORT-2	NA	Plant Tissue	SRM	7440-48-4	Cobalt	0.631	0.570	EDL	ug/g	Wet Wt	1	0.51	124	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	10:19	
Grazing	PAG99-13(B)	T-2	TORT-2	NA	Plant Tissue	SRM	7440-02-0	Nickel	2.59	0.250	EDL	ug/g	Wet Wt	1	2.5	104	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	10:19	
Grazing	PAG99-13(B)	T-2	TORT-2	NA	Plant Tissue	SRM	8075-39-6	Manganese	13.4	0.070	EDL	ug/g	Wet Wt	1	13.6	99	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	10:19	
Grazing	PAG99-13(B)	T-2	TORT-2	NA	Plant Tissue	SRM	7439-89-6	Iron	108.8	0.220	EDL	ug/g	Wet Wt	1	105	104	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	10:19	
Grazing	PAG99-13(B)	T-2	TORT-2	NA	Plant Tissue	SRM	7440-47-3	Chromium		0.500	EDL	ug/g	Wet Wt	1			NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	10:19	
Grazing	PAG99-13(B)	T-2	TORT-2	NA	Plant Tissue	SRM	7429-90-5	Aluminum		2.500	EDL	ug/g	Wet Wt	1			NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	10:19	
Grazing	PAG99-13(B)	T-2	TORT-2	NA	Plant Tissue	SRM	7440-62-2	Vanadium	1.8	0.520	EDL	ug/g	Wet Wt	1	1.64	110	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	10:19	
Grazing	PAG99-13(B)	T-2	TORT-2	NA	Plant Tissue	SRM	7440-50-8	Copper	115	0.520	EDL	ug/g	Wet Wt	1	106	108	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	10:19	
Grazing	PAG99-13(B)	P9901646	P3-2A-A	NA	Alfalfa	Primary	7439-98-7	Molybdenum	19.1	1.100	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	10:28	
Grazing	PAG99-13(B)	P9901646	P3-2A-A	NA	Alfalfa	Primary	7440-66-6	Zinc	80.34	0.330	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	10:28	
Grazing	PAG99-13(B)	P9901646	P3-2A-A	NA	Alfalfa	Primary	7440-43-9	Cadmium	2.527	0.140	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	10:28	
Grazing	PAG99-13(B)	P9901646	P3-2A-A	NA	Alfalfa	Primary	7439-92-1	Lead	-1.019	2.700	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	10:28	

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Grazing	PAG99-13(B)	P9901646	P3-2A-A	NA	Alfalfa	Primary	7440-48-4	Cobalt	0.069	0.570	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	10:28	
Grazing	PAG99-13(B)	P9901646	P3-2A-A	NA	Alfalfa	Primary	7440-02-0	Nickel	13.82	0.250	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	10:28	
Grazing	PAG99-13(B)	P9901646	P3-2A-A	NA	Alfalfa	Primary	8075-39-6	Manganese	9.589	0.070	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	10:28	
Grazing	PAG99-13(B)	P9901646	P3-2A-A	NA	Alfalfa	Primary	7439-89-6	Iron	47.14	0.220	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	10:28	
Grazing	PAG99-13(B)	P9901646	P3-2A-A	NA	Alfalfa	Primary	7440-47-3	Chromium	0.4789	0.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	10:28	
Grazing	PAG99-13(B)	P9901646	P3-2A-A	NA	Alfalfa	Primary	7429-90-5	Aluminum	22.64	2.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	10:28	
Grazing	PAG99-13(B)	P9901646	P3-2A-A	NA	Alfalfa	Primary	7440-62-2	Vanadium	0.0893	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	10:28	
Grazing	PAG99-13(B)	P9901646	P3-2A-A	NA	Alfalfa	Primary	7440-50-8	Copper	5.021	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	10:28	
Grazing	PAG99-13(B)	P9901647	P3-2A-G	NA	Grass Mix	Primary	7439-98-7	Molybdenum	7.617	1.100	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	10:32	
Grazing	PAG99-13(B)	P9901647	P3-2A-G	NA	Grass Mix	Primary	7440-66-6	Zinc	63.44	0.330	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	10:32	
Grazing	PAG99-13(B)	P9901647	P3-2A-G	NA	Grass Mix	Primary	7440-43-9	Cadmium	0.0665	0.140	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	10:32	
Grazing	PAG99-13(B)	P9901647	P3-2A-G	NA	Grass Mix	Primary	7439-92-1	Lead	-1.155	2.700	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	10:32	
Grazing	PAG99-13(B)	P9901647	P3-2A-G	NA	Grass Mix	Primary	7440-48-4	Cobalt	-0.0291	0.570	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	10:32	
Grazing	PAG99-13(B)	P9901647	P3-2A-G	NA	Grass Mix	Primary	7440-02-0	Nickel	3.88	0.250	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	10:32	
Grazing	PAG99-13(B)	P9901647	P3-2A-G	NA	Grass Mix	Primary	8075-39-6	Manganese	14.77	0.070	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	10:32	
Grazing	PAG99-13(B)	P9901647	P3-2A-G	NA	Grass Mix	Primary	7439-89-6	Iron	38.18	0.220	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	10:32	
Grazing	PAG99-13(B)	P9901647	P3-2A-G	NA	Grass Mix	Primary	7440-47-3	Chromium	0.6104	0.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	10:32	
Grazing	PAG99-13(B)	P9901647	P3-2A-G	NA	Grass Mix	Primary	7429-90-5	Aluminum	24.85	2.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	10:32	
Grazing	PAG99-13(B)	P9901647	P3-2A-G	NA	Grass Mix	Primary	7440-62-2	Vanadium	0.0917	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	10:32	
Grazing	PAG99-13(B)	P9901647	P3-2A-G	NA	Grass Mix	Primary	7440-50-8	Copper	8.527	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	10:32	
Grazing	PAG99-13(B)	HRA-4	House Ref. Alfalfa	NA	Plant Tissue	HRA	7439-98-7	Molybdenum	1.593	1.100	EDL	ug/g	Wet Wt	1	1.23	130	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	11:38	
Grazing	PAG99-13(B)	HRA-4	House Ref. Alfalfa	NA	Plant Tissue	HRA	7440-66-6	Zinc	22.06	0.330	EDL	ug/g	Wet Wt	1	20.8	106	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	11:38	
Grazing	PAG99-13(B)	HRA-4	House Ref. Alfalfa	NA	Plant Tissue	HRA	7440-02-0	Nickel	1.343	0.250	EDL	ug/g	Wet Wt	1	1.19	113	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	11:38	
Grazing	PAG99-13(B)	HRA-4	House Ref. Alfalfa	NA	Plant Tissue	HRA	8075-39-6	Manganese	29.13	0.070	EDL	ug/g	Wet Wt	1	30.4	96	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	11:38	
Grazing	PAG99-13(B)	HRA-4	House Ref. Alfalfa	NA	Plant Tissue	HRA	7439-89-6	Iron	309.3	0.220	EDL	ug/g	Wet Wt	1	317	98	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	11:38	
Grazing	PAG99-13(B)	HRA-4	House Ref. Alfalfa	NA	Plant Tissue	HRA	7440-47-3	Chromium	0.6718	0.500	EDL	ug/g	Wet Wt	1	1.05	64	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	11:38	
Grazing	PAG99-13(B)	HRA-4	House Ref. Alfalfa	NA	Plant Tissue	HRA	7429-90-5	Aluminum	391.8	2.500	EDL	ug/g	Wet Wt	1	401	98	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	11:38	
Grazing	PAG99-13(B)	HRA-4	House Ref. Alfalfa	NA	Plant Tissue	HRA	7440-62-2	Vanadium	0.5808	0.520	EDL	ug/g	Wet Wt	1	1.12	52	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	11:38	
Grazing	PAG99-13(B)	HRA-4	House Ref. Alfalfa	NA	Plant Tissue	HRA	7440-50-8	Copper	8.279	0.520	EDL	ug/g	Wet Wt	1	8.01	103	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	11:38	
Grazing	PAG99-13(B)	HRL-3	House Ref. Liver	NA	Animal Tissue	HRL	7439-98-7	Molybdenum	2.519	1.100	EDL	ug/g	Wet Wt	1	3.18	79	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/9/1999	9/14/1999	11:43	
Grazing	PAG99-13(B)	HRL-3	House Ref. Liver	NA	Animal Tissue	HRL	7440-66-6	Zinc	136.6	0.330	EDL	ug/g	Wet Wt	1	119	115	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/9/1999	9/14/1999	11:43	
Grazing	PAG99-13(B)	HRL-3	House Ref. Liver	NA	Animal Tissue	HRL	7440-43-9	Cadmium	60.8	0.140	EDL	ug/g	Wet Wt	1	54.4	112	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/9/1999	9/14/1999	11:43	
Grazing	PAG99-13(B)	HRL-3	House Ref. Liver	NA	Animal Tissue	HRL	7439-92-1	Lead	56.59	2.700	EDL	ug/g	Wet Wt	1	47.9	118	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/9/1999	9/14/1999	11:43	
Grazing	PAG99-13(B)	HRL-3	House Ref. Liver	NA	Animal Tissue	HRL	7440-48-4	Cobalt	48.2	0.570	EDL	ug/g	Wet Wt	1	44.1	109	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/9/1999	9/14/1999	11:43	
Grazing	PAG99-13(B)	HRL-3	House Ref. Liver	NA	Animal Tissue	HRL	8075-39-6	Manganese	9.998	0.070	EDL	ug/g	Wet Wt	1	10.1	99	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/9/1999	9/14/1999	11:43	
Grazing	PAG99-13(B)	HRL-3	House Ref. Liver	NA	Animal Tissue	HRL	7439-89-6	Iron	192.3	0.220	EDL	ug/g	Wet Wt	1	183	105	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/9/1999	9/14/1999	11:43	
Grazing	PAG99-13(B)	HRL-3	House Ref. Liver	NA	Animal Tissue	HRL	7440-47-3	Chromium	55.09	0.500	EDL	ug/g	Wet Wt	1	49.2	112	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/9/1999	9/14/1999	11:43	
Grazing	PAG99-13(B)	HRL-3	House Ref. Liver	NA	Animal Tissue	HRL	7440-50-8	Copper	139.6	0.520	EDL	ug/g	Wet Wt	1	123	113	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/9/1999	9/14/1999	11:43	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	7439-98-7	Molybdenum		1.100	EDL	ug/g	Wet Wt	1		89	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/9/1999	9/14/1999	11:49	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	7440-66-6	Zinc		0.330	EDL	ug/g	Wet Wt	1		96	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/9/1999	9/14/1999	11:49	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	7440-43-9	Cadmium		0.140	EDL	ug/g	Wet Wt	1		93	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/9/1999	9/14/1999	11:49	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	7439-92-1	Lead		2.700	EDL	ug/g	Wet Wt	1		103	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/9/1999	9/14/1999	11:49	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	7440-48-4	Cobalt		0.570	EDL	ug/g	Wet Wt	1		94	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/9/1999	9/14/1999	11:49	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	7440-02-0	Nickel		0.250	EDL	ug/g	Wet Wt	1		94	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/9/1999	9/14/1999	11:49	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	8075-39-6	Manganese		0.070	EDL	ug/g	Wet Wt	1		93	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/9/1999	9/14/1999	11:49	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	7439-89-6	Iron		0.220	EDL	ug/g	Wet Wt	1		94	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/9/1999	9/14/1999	11:49	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	7440-47-3	Chromium		0.500	EDL	ug/g	Wet Wt	1		95	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/9/1999	9/14/1999	11:49	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	7429-90-5	Aluminum		2.500	EDL	ug/g	Wet Wt	1		90	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/9/1999	9/14/1999	11:49	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	7440-62-2	Vanadium		0.520	EDL	ug/g	Wet Wt	1		95	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/9/1999	9/14/1999	11:49	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	7440-50-8	Copper		0.520	EDL	ug/g	Wet Wt	1		97	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/9/1999	9/14/1999	11:49	
Grazing	PAG99-13(B)	P9901648	P3-3A-A	NA	Alfalfa	Primary	7439-98-7	Molybdenum	17.59	1.100	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	11:54	
Grazing	PAG99-13(B)	P9901648	P3-3A-A	NA	Alfalfa	Primary	7440-66-6	Zinc	75.59	0.330	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	11:54	
Grazing	PAG99-13(B)	P9901648	P3-3A-A	NA	Alfalfa	Primary	7440-43-9	Cadmium	2.181	0.140	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	11:54	
Grazing	PAG99-13(B)	P9901648	P3-3A-A	NA	Alfalfa	Primary	7439-92-1	Lead	0.7279	2.700	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	11:54	
Grazing	PAG99-13(B)	P9901648	P3-3A-A	NA	Alfalfa	Primary	7440-48-4	Cobalt	0.3136	0.570	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	11:54	
Grazing	PAG99-13(B)	P9901648	P3-3A-A	NA	Alfalfa	Primary	7440-02-0	Nickel	11.9	0.250	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	11:54	
Grazing	PAG99-13(B)	P9901648	P3-3A-A	NA	Alfalfa	Primary	8075-39-6	Manganese	13.13	0.070	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	11:54	
Grazing	PAG99-13(B)	P9901648	P3-3A-A	NA	Alfalfa	Primary	7439-89-6	Iron	41.08	0.220	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	11:54	

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Grazing	PAG99-13(B)	P9901648	P3-3A-A	NA	Alfalfa	Primary	7440-47-3	Chromium	0.6011	0.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	11:54	
Grazing	PAG99-13(B)	P9901648	P3-3A-A	NA	Alfalfa	Primary	7429-90-5	Aluminum	22.88	2.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	11:54	
Grazing	PAG99-13(B)	P9901648	P3-3A-A	NA	Alfalfa	Primary	7440-62-2	Vanadium	0.2632	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	11:54	
Grazing	PAG99-13(B)	P9901648	P3-3A-A	NA	Alfalfa	Primary	7440-50-8	Copper	7.7	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	11:54	
Grazing	PAG99-13(B)	P9901649	P3-3A-G	NA	Grass Mix	Primary	7439-98-7	Molybdenum	10.84	1.100	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	11:59	
Grazing	PAG99-13(B)	P9901649	P3-3A-G	NA	Grass Mix	Primary	7440-66-6	Zinc	92.02	0.330	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	11:59	
Grazing	PAG99-13(B)	P9901649	P3-3A-G	NA	Grass Mix	Primary	7440-43-9	Cadmium	0.7019	0.140	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	11:59	
Grazing	PAG99-13(B)	P9901649	P3-3A-G	NA	Grass Mix	Primary	7439-92-1	Lead	0.8216	2.700	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	11:59	
Grazing	PAG99-13(B)	P9901649	P3-3A-G	NA	Grass Mix	Primary	7440-48-4	Cobalt	0.0197	0.570	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	11:59	
Grazing	PAG99-13(B)	P9901649	P3-3A-G	NA	Grass Mix	Primary	7440-02-0	Nickel	10.36	0.250	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	11:59	
Grazing	PAG99-13(B)	P9901649	P3-3A-G	NA	Grass Mix	Primary	8075-39-6	Manganese	22.33	0.070	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	11:59	
Grazing	PAG99-13(B)	P9901649	P3-3A-G	NA	Grass Mix	Primary	7439-89-6	Iron	47.18	0.220	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	11:59	
Grazing	PAG99-13(B)	P9901649	P3-3A-G	NA	Grass Mix	Primary	7440-47-3	Chromium	0.4165	0.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	11:59	
Grazing	PAG99-13(B)	P9901649	P3-3A-G	NA	Grass Mix	Primary	7429-90-5	Aluminum	33.67	2.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	11:59	
Grazing	PAG99-13(B)	P9901649	P3-3A-G	NA	Grass Mix	Primary	7440-62-2	Vanadium	0.3528	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	11:59	
Grazing	PAG99-13(B)	P9901649	P3-3A-G	NA	Grass Mix	Primary	7440-50-8	Copper	10.33	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	11:59	
Grazing	PAG99-13(B)	P9901650	P3-4A-A	NA	Alfalfa	Primary	7439-98-7	Molybdenum	17.37	1.100	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:03	
Grazing	PAG99-13(B)	P9901650	P3-4A-A	NA	Alfalfa	Primary	7440-66-6	Zinc	65.35	0.330	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:03	
Grazing	PAG99-13(B)	P9901650	P3-4A-A	NA	Alfalfa	Primary	7440-43-9	Cadmium	1.227	0.140	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:03	
Grazing	PAG99-13(B)	P9901650	P3-4A-A	NA	Alfalfa	Primary	7439-92-1	Lead	-0.7209	2.700	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:03	
Grazing	PAG99-13(B)	P9901650	P3-4A-A	NA	Alfalfa	Primary	7440-48-4	Cobalt	0.0978	0.570	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:03	
Grazing	PAG99-13(B)	P9901650	P3-4A-A	NA	Alfalfa	Primary	7440-02-0	Nickel	12.11	0.250	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:03	
Grazing	PAG99-13(B)	P9901650	P3-4A-A	NA	Alfalfa	Primary	8075-39-6	Manganese	11	0.070	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:03	
Grazing	PAG99-13(B)	P9901650	P3-4A-A	NA	Alfalfa	Primary	7439-89-6	Iron	44.11	0.220	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:03	
Grazing	PAG99-13(B)	P9901650	P3-4A-A	NA	Alfalfa	Primary	7440-47-3	Chromium	0.39	0.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:03	
Grazing	PAG99-13(B)	P9901650	P3-4A-A	NA	Alfalfa	Primary	7429-90-5	Aluminum	21.9	2.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:03	
Grazing	PAG99-13(B)	P9901650	P3-4A-A	NA	Alfalfa	Primary	7440-62-2	Vanadium	0.6889	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:03	
Grazing	PAG99-13(B)	P9901650	P3-4A-A	NA	Alfalfa	Primary	7440-50-8	Copper	5.001	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:03	
Grazing	PAG99-13(B)	P9901651	P3-4A-G	NA	Grass Mix	Primary	7439-98-7	Molybdenum	6.3	1.100	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:08	
Grazing	PAG99-13(B)	P9901651	P3-4A-G	NA	Grass Mix	Primary	7440-66-6	Zinc	42.51	0.330	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:08	
Grazing	PAG99-13(B)	P9901651	P3-4A-G	NA	Grass Mix	Primary	7440-43-9	Cadmium	0.4185	0.140	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:08	
Grazing	PAG99-13(B)	P9901651	P3-4A-G	NA	Grass Mix	Primary	7439-92-1	Lead	0.7243	2.700	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:08	
Grazing	PAG99-13(B)	P9901651	P3-4A-G	NA	Grass Mix	Primary	7440-48-4	Cobalt	-0.0047	0.570	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:08	
Grazing	PAG99-13(B)	P9901651	P3-4A-G	NA	Grass Mix	Primary	7440-02-0	Nickel	4.403	0.250	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:08	
Grazing	PAG99-13(B)	P9901651	P3-4A-G	NA	Grass Mix	Primary	8075-39-6	Manganese	15.01	0.070	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:08	
Grazing	PAG99-13(B)	P9901651	P3-4A-G	NA	Grass Mix	Primary	7439-89-6	Iron	41	0.220	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:08	
Grazing	PAG99-13(B)	P9901651	P3-4A-G	NA	Grass Mix	Primary	7440-47-3	Chromium	33.5488	0.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:08	
Grazing	PAG99-13(B)	P9901651	P3-4A-G	NA	Grass Mix	Primary	7429-90-5	Aluminum	26.75	2.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:08	
Grazing	PAG99-13(B)	P9901651	P3-4A-G	NA	Grass Mix	Primary	7440-62-2	Vanadium	0.6584	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:08	
Grazing	PAG99-13(B)	P9901651	P3-4A-G	NA	Grass Mix	Primary	7440-50-8	Copper	8.56	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:08	
Grazing	PAG99-13(B)	P9901652	P3-5A-A	NA	Alfalfa	Primary	7439-98-7	Molybdenum	16.67	1.100	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:12	
Grazing	PAG99-13(B)	P9901652	P3-5A-A	NA	Alfalfa	Primary	7440-66-6	Zinc	83.13	0.330	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:12	
Grazing	PAG99-13(B)	P9901652	P3-5A-A	NA	Alfalfa	Primary	7440-43-9	Cadmium	3.536	0.140	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:12	
Grazing	PAG99-13(B)	P9901652	P3-5A-A	NA	Alfalfa	Primary	7439-92-1	Lead	2.21	2.700	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:12	
Grazing	PAG99-13(B)	P9901652	P3-5A-A	NA	Alfalfa	Primary	7440-48-4	Cobalt	0.1845	0.570	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:12	
Grazing	PAG99-13(B)	P9901652	P3-5A-A	NA	Alfalfa	Primary	7440-02-0	Nickel	17.79	0.250	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:12	
Grazing	PAG99-13(B)	P9901652	P3-5A-A	NA	Alfalfa	Primary	8075-39-6	Manganese	13.91	0.070	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:12	
Grazing	PAG99-13(B)	P9901652	P3-5A-A	NA	Alfalfa	Primary	7439-89-6	Iron	42.88	0.220	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:12	
Grazing	PAG99-13(B)	P9901652	P3-5A-A	NA	Alfalfa	Primary	7440-47-3	Chromium	0.3409	0.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:12	
Grazing	PAG99-13(B)	P9901652	P3-5A-A	NA	Alfalfa	Primary	7429-90-5	Aluminum	25.86	2.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:12	
Grazing	PAG99-13(B)	P9901652	P3-5A-A	NA	Alfalfa	Primary	7440-62-2	Vanadium	0.5691	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:12	
Grazing	PAG99-13(B)	P9901652	P3-5A-A	NA	Alfalfa	Primary	7440-50-8	Copper	6.81	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:12	
Grazing	PAG99-13(B)	P9901653	P3-5A-G	NA	Grass Mix	Primary	7439-98-7	Molybdenum	10.48	1.100	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:17	
Grazing	PAG99-13(B)	P9901653	P3-5A-G	NA	Grass Mix	Primary	7440-66-6	Zinc	50.25	0.330	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:17	
Grazing	PAG99-13(B)	P9901653	P3-5A-G	NA	Grass Mix	Primary	7440-43-9	Cadmium	0.2318	0.140	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:17	
Grazing	PAG99-13(B)	P9901653	P3-5A-G	NA	Grass Mix	Primary	7439-92-1	Lead	-0.1106	2.700	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:17	
Grazing	PAG99-13(B)	P9901653	P3-5A-G	NA	Grass Mix	Primary	7440-48-4	Cobalt	0.0898	0.570	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:17	
Grazing	PAG99-13(B)	P9901653	P3-5A-G	NA	Grass Mix	Primary	7440-02-0	Nickel	4.505	0.250	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:17	

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Grazing	PAG99-13(B)	P9901653	P3-5A-G	NA	Grass Mix	Primary	8075-39-6	Manganese	16.77	0.070	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:17	
Grazing	PAG99-13(B)	P9901653	P3-5A-G	NA	Grass Mix	Primary	7439-89-6	Iron	42.31	0.220	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:17	
Grazing	PAG99-13(B)	P9901653	P3-5A-G	NA	Grass Mix	Primary	7440-47-3	Chromium	0.7456	0.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:17	
Grazing	PAG99-13(B)	P9901653	P3-5A-G	NA	Grass Mix	Primary	7429-90-5	Aluminum	32.45	2.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:17	
Grazing	PAG99-13(B)	P9901653	P3-5A-G	NA	Grass Mix	Primary	7440-62-2	Vanadium	0.6454	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:17	
Grazing	PAG99-13(B)	P9901653	P3-5A-G	NA	Grass Mix	Primary	7440-50-8	Copper	8.004	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:17	
Grazing	PAG99-13(B)	P9901654	P1-1B-A	NA	Alfalfa	Primary	7439-98-7	Molybdenum	13.04	1.100	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:22	
Grazing	PAG99-13(B)	P9901654	P1-1B-A	NA	Alfalfa	Primary	7440-66-6	Zinc	46.58	0.330	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:22	
Grazing	PAG99-13(B)	P9901654	P1-1B-A	NA	Alfalfa	Primary	7440-43-9	Cadmium	2.547	0.140	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:22	
Grazing	PAG99-13(B)	P9901654	P1-1B-A	NA	Alfalfa	Primary	7439-92-1	Lead	1.026	2.700	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:22	
Grazing	PAG99-13(B)	P9901654	P1-1B-A	NA	Alfalfa	Primary	7440-48-4	Cobalt	0.2803	0.570	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:22	
Grazing	PAG99-13(B)	P9901654	P1-1B-A	NA	Alfalfa	Primary	7440-02-0	Nickel	4.166	0.250	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:22	
Grazing	PAG99-13(B)	P9901654	P1-1B-A	NA	Alfalfa	Primary	8075-39-6	Manganese	17.43	0.070	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:22	
Grazing	PAG99-13(B)	P9901654	P1-1B-A	NA	Alfalfa	Primary	7439-89-6	Iron	39.43	0.220	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:22	
Grazing	PAG99-13(B)	P9901654	P1-1B-A	NA	Alfalfa	Primary	7440-47-3	Chromium	-0.113	0.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:22	
Grazing	PAG99-13(B)	P9901654	P1-1B-A	NA	Alfalfa	Primary	7429-90-5	Aluminum	18.61	2.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:22	
Grazing	PAG99-13(B)	P9901654	P1-1B-A	NA	Alfalfa	Primary	7440-62-2	Vanadium	0.5365	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:22	
Grazing	PAG99-13(B)	P9901654	P1-1B-A	NA	Alfalfa	Primary	7440-50-8	Copper	6.561	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:22	
Grazing	PAG99-13(B)	P9901654D	P1-1B-A	NA	Alfalfa	Primary	7439-98-7	Molybdenum	11.1	1.100	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:26	
Grazing	PAG99-13(B)	P9901654D	P1-1B-A	NA	Alfalfa	Primary	7440-66-6	Zinc	44.14	0.330	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:26	
Grazing	PAG99-13(B)	P9901654D	P1-1B-A	NA	Alfalfa	Primary	7440-43-9	Cadmium	2.208	0.140	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:26	
Grazing	PAG99-13(B)	P9901654D	P1-1B-A	NA	Alfalfa	Primary	7439-92-1	Lead	-0.8942	2.700	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:26	
Grazing	PAG99-13(B)	P9901654D	P1-1B-A	NA	Alfalfa	Primary	7440-48-4	Cobalt	0.1329	0.570	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:26	
Grazing	PAG99-13(B)	P9901654D	P1-1B-A	NA	Alfalfa	Primary	7440-02-0	Nickel	3.792	0.250	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:26	
Grazing	PAG99-13(B)	P9901654D	P1-1B-A	NA	Alfalfa	Primary	8075-39-6	Manganese	17.09	0.070	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:26	
Grazing	PAG99-13(B)	P9901654D	P1-1B-A	NA	Alfalfa	Primary	7439-89-6	Iron	32.91	0.220	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:26	
Grazing	PAG99-13(B)	P9901654D	P1-1B-A	NA	Alfalfa	Primary	7440-47-3	Chromium	0.3569	0.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:26	
Grazing	PAG99-13(B)	P9901654D	P1-1B-A	NA	Alfalfa	Primary	7429-90-5	Aluminum	20.31	2.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:26	
Grazing	PAG99-13(B)	P9901654D	P1-1B-A	NA	Alfalfa	Primary	7440-62-2	Vanadium	0.7636	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:26	
Grazing	PAG99-13(B)	P9901654D	P1-1B-A	NA	Alfalfa	Primary	7440-50-8	Copper	5.932	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:26	
Grazing	PAG99-13(B)	HRA-1	House Ref. Alfalfa	NA	Plant Tissue	HRA	7439-98-7	Molybdenum	1.195	1.100	EDL	ug/g	Wet Wt	1	1.23	97	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:31	
Grazing	PAG99-13(B)	HRA-1	House Ref. Alfalfa	NA	Plant Tissue	HRA	7440-66-6	Zinc	24.23	0.330	EDL	ug/g	Wet Wt	1	20.8	116	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:31	
Grazing	PAG99-13(B)	HRA-1	House Ref. Alfalfa	NA	Plant Tissue	HRA	7440-02-0	Nickel	1.021	0.250	EDL	ug/g	Wet Wt	1	1.19	86	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:31	
Grazing	PAG99-13(B)	HRA-1	House Ref. Alfalfa	NA	Plant Tissue	HRA	8075-39-6	Manganese	33.09	0.070	EDL	ug/g	Wet Wt	1	30.4	109	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:31	
Grazing	PAG99-13(B)	HRA-1	House Ref. Alfalfa	NA	Plant Tissue	HRA	7439-89-6	Iron	290.8	0.220	EDL	ug/g	Wet Wt	1	317	92	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:31	
Grazing	PAG99-13(B)	HRA-1	House Ref. Alfalfa	NA	Plant Tissue	HRA	7440-47-3	Chromium	0.3679	0.500	EDL	ug/g	Wet Wt	1	1.05	35	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:31	
Grazing	PAG99-13(B)	HRA-1	House Ref. Alfalfa	NA	Plant Tissue	HRA	7429-90-5	Aluminum	348.1	2.500	EDL	ug/g	Wet Wt	1	401	87	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:31	
Grazing	PAG99-13(B)	HRA-1	House Ref. Alfalfa	NA	Plant Tissue	HRA	7440-62-2	Vanadium	1.081	0.520	EDL	ug/g	Wet Wt	1	1.12	97	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:31	
Grazing	PAG99-13(B)	HRA-1	House Ref. Alfalfa	NA	Plant Tissue	HRA	7440-50-8	Copper	8.961	0.520	EDL	ug/g	Wet Wt	1	8.01	112	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:31	
Grazing	PAG99-13(B)	P9901655	P1-1B-G	NA	Grass Mix	Primary	7439-98-7	Molybdenum	66.08	1.100	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:35	
Grazing	PAG99-13(B)	P9901655	P1-1B-G	NA	Grass Mix	Primary	7440-66-6	Zinc	51.32	0.330	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:35	
Grazing	PAG99-13(B)	P9901655	P1-1B-G	NA	Grass Mix	Primary	7440-43-9	Cadmium	0.8112	0.140	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:35	
Grazing	PAG99-13(B)	P9901655	P1-1B-G	NA	Grass Mix	Primary	7439-92-1	Lead	1.683	2.700	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:35	
Grazing	PAG99-13(B)	P9901655	P1-1B-G	NA	Grass Mix	Primary	7440-48-4	Cobalt	0.1723	0.570	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:35	
Grazing	PAG99-13(B)	P9901655	P1-1B-G	NA	Grass Mix	Primary	7440-02-0	Nickel	1.304	0.250	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:35	
Grazing	PAG99-13(B)	P9901655	P1-1B-G	NA	Grass Mix	Primary	8075-39-6	Manganese	28.78	0.070	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:35	
Grazing	PAG99-13(B)	P9901655	P1-1B-G	NA	Grass Mix	Primary	7439-89-6	Iron	49.6	0.220	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:35	
Grazing	PAG99-13(B)	P9901655	P1-1B-G	NA	Grass Mix	Primary	7440-47-3	Chromium	0.4468	0.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:35	
Grazing	PAG99-13(B)	P9901655	P1-1B-G	NA	Grass Mix	Primary	7429-90-5	Aluminum	39.59	2.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:35	
Grazing	PAG99-13(B)	P9901655	P1-1B-G	NA	Grass Mix	Primary	7440-62-2	Vanadium	0.7651	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:35	
Grazing	PAG99-13(B)	P9901655	P1-1B-G	NA	Grass Mix	Primary	7440-50-8	Copper	6.22	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:35	
Grazing	PAG99-13(B)	P9901656	P1-2B-A	NA	Alfalfa	Primary	7439-98-7	Molybdenum	17.89	1.100	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:40	
Grazing	PAG99-13(B)	P9901656	P1-2B-A	NA	Alfalfa	Primary	7440-66-6	Zinc	43.66	0.330	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:40	
Grazing	PAG99-13(B)	P9901656	P1-2B-A	NA	Alfalfa	Primary	7440-43-9	Cadmium	3.129	0.140	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:40	
Grazing	PAG99-13(B)	P9901656	P1-2B-A	NA	Alfalfa	Primary	7439-92-1	Lead	-0.2615	2.700	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:40	
Grazing	PAG99-13(B)	P9901656	P1-2B-A	NA	Alfalfa	Primary	7440-48-4	Cobalt	0.2448	0.570	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:40	
Grazing	PAG99-13(B)	P9901656	P1-2B-A	NA	Alfalfa	Primary	7440-02-0	Nickel	4.562	0.250	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:40	
Grazing	PAG99-13(B)	P9901656	P1-2B-A	NA	Alfalfa	Primary	8075-39-6	Manganese	13.69	0.070	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:40	

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Grazing	PAG99-13(B)	P9901656	P1-2B-A	NA	Alfalfa	Primary	7439-89-6	Iron	36.2	0.220	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:40	
Grazing	PAG99-13(B)	P9901656	P1-2B-A	NA	Alfalfa	Primary	7440-47-3	Chromium	0.3222	0.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:40	
Grazing	PAG99-13(B)	P9901656	P1-2B-A	NA	Alfalfa	Primary	7429-90-5	Aluminum	29.73	2.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:40	
Grazing	PAG99-13(B)	P9901656	P1-2B-A	NA	Alfalfa	Primary	7440-62-2	Vanadium	0.7949	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:40	
Grazing	PAG99-13(B)	P9901656	P1-2B-A	NA	Alfalfa	Primary	7440-50-8	Copper	4.353	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:40	
Grazing	PAG99-13(B)	P9901657	P1-2B-G	NA	Grass Mix	Primary	7439-98-7	Molybdenum	17.34	1.100	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:44	
Grazing	PAG99-13(B)	P9901657	P1-2B-G	NA	Grass Mix	Primary	7440-66-6	Zinc	42.3	0.330	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:44	
Grazing	PAG99-13(B)	P9901657	P1-2B-G	NA	Grass Mix	Primary	7440-43-9	Cadmium	0.6993	0.140	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:44	
Grazing	PAG99-13(B)	P9901657	P1-2B-G	NA	Grass Mix	Primary	7439-92-1	Lead	-2.668	2.700	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:44	
Grazing	PAG99-13(B)	P9901657	P1-2B-G	NA	Grass Mix	Primary	7440-48-4	Cobalt	0.3157	0.570	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:44	
Grazing	PAG99-13(B)	P9901657	P1-2B-G	NA	Grass Mix	Primary	7440-02-0	Nickel	0.7978	0.250	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:44	
Grazing	PAG99-13(B)	P9901657	P1-2B-G	NA	Grass Mix	Primary	8075-39-6	Manganese	48	0.070	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:44	
Grazing	PAG99-13(B)	P9901657	P1-2B-G	NA	Grass Mix	Primary	7439-89-6	Iron	29.17	0.220	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:44	
Grazing	PAG99-13(B)	P9901657	P1-2B-G	NA	Grass Mix	Primary	7440-47-3	Chromium	0.2335	0.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:44	
Grazing	PAG99-13(B)	P9901657	P1-2B-G	NA	Grass Mix	Primary	7429-90-5	Aluminum	34.31	2.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:44	
Grazing	PAG99-13(B)	P9901657	P1-2B-G	NA	Grass Mix	Primary	7440-62-2	Vanadium	0.9559	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:44	
Grazing	PAG99-13(B)	P9901657	P1-2B-G	NA	Grass Mix	Primary	7440-50-8	Copper	6.116	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:44	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	7439-98-7	Molybdenum		1.100	EDL	ug/g	Wet Wt	1		97	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:49	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	7440-66-6	Zinc		0.330	EDL	ug/g	Wet Wt	1		101	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:49	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	7440-43-9	Cadmium		0.140	EDL	ug/g	Wet Wt	1		97	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:49	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	7439-92-1	Lead		2.700	EDL	ug/g	Wet Wt	1		105	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:49	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	7440-48-4	Cobalt		0.570	EDL	ug/g	Wet Wt	1		97	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:49	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	7440-02-0	Nickel		0.250	EDL	ug/g	Wet Wt	1		101	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:49	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	8075-39-6	Manganese		0.070	EDL	ug/g	Wet Wt	1		100	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:49	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	7439-89-6	Iron		0.220	EDL	ug/g	Wet Wt	1		99	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:49	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	7440-47-3	Chromium		0.500	EDL	ug/g	Wet Wt	1		97	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:49	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	7429-90-5	Aluminum		2.500	EDL	ug/g	Wet Wt	1		97	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:49	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	7440-62-2	Vanadium		0.520	EDL	ug/g	Wet Wt	1		104	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:49	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	7440-50-8	Copper		0.520	EDL	ug/g	Wet Wt	1		104	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:49	
Grazing	PAG99-13(B)	P9901658	P1-3B-A	NA	Alfalfa	Primary	7439-98-7	Molybdenum	10.89	1.100	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:53	
Grazing	PAG99-13(B)	P9901658	P1-3B-A	NA	Alfalfa	Primary	7440-66-6	Zinc	48.7	0.330	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:53	
Grazing	PAG99-13(B)	P9901658	P1-3B-A	NA	Alfalfa	Primary	7440-43-9	Cadmium	2.32	0.140	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:53	
Grazing	PAG99-13(B)	P9901658	P1-3B-A	NA	Alfalfa	Primary	7439-92-1	Lead	4.939	2.700	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:53	
Grazing	PAG99-13(B)	P9901658	P1-3B-A	NA	Alfalfa	Primary	7440-48-4	Cobalt	0.1663	0.570	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:53	
Grazing	PAG99-13(B)	P9901658	P1-3B-A	NA	Alfalfa	Primary	7440-02-0	Nickel	4.369	0.250	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:53	
Grazing	PAG99-13(B)	P9901658	P1-3B-A	NA	Alfalfa	Primary	8075-39-6	Manganese	49.16	0.070	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:53	
Grazing	PAG99-13(B)	P9901658	P1-3B-A	NA	Alfalfa	Primary	7439-89-6	Iron	29.71	0.220	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:53	
Grazing	PAG99-13(B)	P9901658	P1-3B-A	NA	Alfalfa	Primary	7440-47-3	Chromium	0.287	0.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:53	
Grazing	PAG99-13(B)	P9901658	P1-3B-A	NA	Alfalfa	Primary	7429-90-5	Aluminum	20.24	2.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:53	
Grazing	PAG99-13(B)	P9901658	P1-3B-A	NA	Alfalfa	Primary	7440-62-2	Vanadium	0.7412	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:53	
Grazing	PAG99-13(B)	P9901658	P1-3B-A	NA	Alfalfa	Primary	7440-50-8	Copper	6.12	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:53	
Grazing	PAG99-13(B)	P9901659	P1-3B-G	NA	Grass Mix	Primary	7439-98-7	Molybdenum	26.99	1.100	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:58	
Grazing	PAG99-13(B)	P9901659	P1-3B-G	NA	Grass Mix	Primary	7440-66-6	Zinc	43.16	0.330	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:58	
Grazing	PAG99-13(B)	P9901659	P1-3B-G	NA	Grass Mix	Primary	7440-43-9	Cadmium	0.9482	0.140	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:58	
Grazing	PAG99-13(B)	P9901659	P1-3B-G	NA	Grass Mix	Primary	7439-92-1	Lead	1.684	2.700	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:58	
Grazing	PAG99-13(B)	P9901659	P1-3B-G	NA	Grass Mix	Primary	7440-48-4	Cobalt	-0.0434	0.570	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:58	
Grazing	PAG99-13(B)	P9901659	P1-3B-G	NA	Grass Mix	Primary	7440-02-0	Nickel	0.9255	0.250	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:58	
Grazing	PAG99-13(B)	P9901659	P1-3B-G	NA	Grass Mix	Primary	8075-39-6	Manganese	36.09	0.070	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:58	
Grazing	PAG99-13(B)	P9901659	P1-3B-G	NA	Grass Mix	Primary	7439-89-6	Iron	34.25	0.220	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:58	
Grazing	PAG99-13(B)	P9901659	P1-3B-G	NA	Grass Mix	Primary	7440-47-3	Chromium	0.1048	0.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:58	
Grazing	PAG99-13(B)	P9901659	P1-3B-G	NA	Grass Mix	Primary	7429-90-5	Aluminum	32.36	2.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:58	
Grazing	PAG99-13(B)	P9901659	P1-3B-G	NA	Grass Mix	Primary	7440-62-2	Vanadium	0.9378	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:58	
Grazing	PAG99-13(B)	P9901659	P1-3B-G	NA	Grass Mix	Primary	7440-50-8	Copper	6.197	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	12:58	
Grazing	PAG99-13(B)	P9901660	P1-4B-A	NA	Alfalfa	Primary	7439-98-7	Molybdenum	4.62	1.100	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:02	
Grazing	PAG99-13(B)	P9901660	P1-4B-A	NA	Alfalfa	Primary	7440-66-6	Zinc	56.53	0.330	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:02	
Grazing	PAG99-13(B)	P9901660	P1-4B-A	NA	Alfalfa	Primary	7440-43-9	Cadmium	2.461	0.140	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:02	
Grazing	PAG99-13(B)	P9901660	P1-4B-A	NA	Alfalfa	Primary	7439-92-1	Lead	0.3096	2.700	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:02	
Grazing	PAG99-13(B)	P9901660	P1-4B-A	NA	Alfalfa	Primary	7440-48-4	Cobalt	0.3233	0.570	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:02	

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Grazing	PAG99-13(B)	P9901660	P1-4B-A	NA	Alfalfa	Primary	7440-02-0	Nickel	6.347	0.250	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:02	
Grazing	PAG99-13(B)	P9901660	P1-4B-A	NA	Alfalfa	Primary	8075-39-6	Manganese	18.05	0.070	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:02	
Grazing	PAG99-13(B)	P9901660	P1-4B-A	NA	Alfalfa	Primary	7439-89-6	Iron	29.02	0.220	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:02	
Grazing	PAG99-13(B)	P9901660	P1-4B-A	NA	Alfalfa	Primary	7440-47-3	Chromium	0.2231	0.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:02	
Grazing	PAG99-13(B)	P9901660	P1-4B-A	NA	Alfalfa	Primary	7429-90-5	Aluminum	19.88	2.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:02	
Grazing	PAG99-13(B)	P9901660	P1-4B-A	NA	Alfalfa	Primary	7440-62-2	Vanadium	0.7643	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:02	
Grazing	PAG99-13(B)	P9901660	P1-4B-A	NA	Alfalfa	Primary	7440-50-8	Copper	6.151	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:02	
Grazing	PAG99-13(B)	P9901661	P1-4B-G	NA	Grass Mix	Primary	7439-98-7	Molybdenum	10.51	1.100	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:07	
Grazing	PAG99-13(B)	P9901661	P1-4B-G	NA	Grass Mix	Primary	7440-66-6	Zinc	49.88	0.330	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:07	
Grazing	PAG99-13(B)	P9901661	P1-4B-G	NA	Grass Mix	Primary	7440-43-9	Cadmium	0.4561	0.140	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:07	
Grazing	PAG99-13(B)	P9901661	P1-4B-G	NA	Grass Mix	Primary	7439-92-1	Lead	0.0756	2.700	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:07	
Grazing	PAG99-13(B)	P9901661	P1-4B-G	NA	Grass Mix	Primary	7440-48-4	Cobalt	0.1967	0.570	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:07	
Grazing	PAG99-13(B)	P9901661	P1-4B-G	NA	Grass Mix	Primary	7440-02-0	Nickel	1.131	0.250	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:07	
Grazing	PAG99-13(B)	P9901661	P1-4B-G	NA	Grass Mix	Primary	8075-39-6	Manganese	37.01	0.070	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:07	
Grazing	PAG99-13(B)	P9901661	P1-4B-G	NA	Grass Mix	Primary	7439-89-6	Iron	43.29	0.220	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:07	
Grazing	PAG99-13(B)	P9901661	P1-4B-G	NA	Grass Mix	Primary	7440-47-3	Chromium	-0.1523	0.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:07	
Grazing	PAG99-13(B)	P9901661	P1-4B-G	NA	Grass Mix	Primary	7429-90-5	Aluminum	44.62	2.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:07	
Grazing	PAG99-13(B)	P9901661	P1-4B-G	NA	Grass Mix	Primary	7440-62-2	Vanadium	0.3098	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:07	
Grazing	PAG99-13(B)	P9901661	P1-4B-G	NA	Grass Mix	Primary	7440-50-8	Copper	4.227	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:07	
Grazing	PAG99-13(B)	P9901662	P1-5B-A	NA	Alfalfa	Primary	7439-98-7	Molybdenum	48.88	1.100	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:12	
Grazing	PAG99-13(B)	P9901662	P1-5B-A	NA	Alfalfa	Primary	7440-66-6	Zinc	65.51	0.330	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:12	
Grazing	PAG99-13(B)	P9901662	P1-5B-A	NA	Alfalfa	Primary	7440-43-9	Cadmium	3.257	0.140	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:12	
Grazing	PAG99-13(B)	P9901662	P1-5B-A	NA	Alfalfa	Primary	7439-92-1	Lead	1.882	2.700	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:12	
Grazing	PAG99-13(B)	P9901662	P1-5B-A	NA	Alfalfa	Primary	7440-48-4	Cobalt	0.2111	0.570	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:12	
Grazing	PAG99-13(B)	P9901662	P1-5B-A	NA	Alfalfa	Primary	7440-02-0	Nickel	10.85	0.250	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:12	
Grazing	PAG99-13(B)	P9901662	P1-5B-A	NA	Alfalfa	Primary	8075-39-6	Manganese	14.86	0.070	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:12	
Grazing	PAG99-13(B)	P9901662	P1-5B-A	NA	Alfalfa	Primary	7439-89-6	Iron	30.94	0.220	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:12	
Grazing	PAG99-13(B)	P9901662	P1-5B-A	NA	Alfalfa	Primary	7440-47-3	Chromium	0.3462	0.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:12	
Grazing	PAG99-13(B)	P9901662	P1-5B-A	NA	Alfalfa	Primary	7429-90-5	Aluminum	23.48	2.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:12	
Grazing	PAG99-13(B)	P9901662	P1-5B-A	NA	Alfalfa	Primary	7440-62-2	Vanadium	0.2257	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:12	
Grazing	PAG99-13(B)	P9901662	P1-5B-A	NA	Alfalfa	Primary	7440-50-8	Copper	5.18	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:12	
Grazing	PAG99-13(B)	P9901663	P1-5B-G	NA	Grass Mix	Primary	7439-98-7	Molybdenum	74.5	1.100	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:16	
Grazing	PAG99-13(B)	P9901663	P1-5B-G	NA	Grass Mix	Primary	7440-66-6	Zinc	65.5	0.330	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:16	
Grazing	PAG99-13(B)	P9901663	P1-5B-G	NA	Grass Mix	Primary	7440-43-9	Cadmium	0.3279	0.140	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:16	
Grazing	PAG99-13(B)	P9901663	P1-5B-G	NA	Grass Mix	Primary	7439-92-1	Lead	-2.372	2.700	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:16	
Grazing	PAG99-13(B)	P9901663	P1-5B-G	NA	Grass Mix	Primary	7440-48-4	Cobalt	-0.188	0.570	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:16	
Grazing	PAG99-13(B)	P9901663	P1-5B-G	NA	Grass Mix	Primary	7440-02-0	Nickel	2.355	0.250	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:16	
Grazing	PAG99-13(B)	P9901663	P1-5B-G	NA	Grass Mix	Primary	8075-39-6	Manganese	31.2	0.070	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:16	
Grazing	PAG99-13(B)	P9901663	P1-5B-G	NA	Grass Mix	Primary	7439-89-6	Iron	34.39	0.220	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:16	
Grazing	PAG99-13(B)	P9901663	P1-5B-G	NA	Grass Mix	Primary	7440-47-3	Chromium	0.4716	0.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:16	
Grazing	PAG99-13(B)	P9901663	P1-5B-G	NA	Grass Mix	Primary	7429-90-5	Aluminum	30.75	2.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:16	
Grazing	PAG99-13(B)	P9901663	P1-5B-G	NA	Grass Mix	Primary	7440-62-2	Vanadium	0.3637	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:16	
Grazing	PAG99-13(B)	P9901663	P1-5B-G	NA	Grass Mix	Primary	7440-50-8	Copper	6.082	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:16	
Grazing	PAG99-13(B)	P9901664	P2-1B-G	NA	Grass Mix	Primary	7439-98-7	Molybdenum	9.667	1.100	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:21	
Grazing	PAG99-13(B)	P9901664	P2-1B-G	NA	Grass Mix	Primary	7440-66-6	Zinc	66.27	0.330	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:21	
Grazing	PAG99-13(B)	P9901664	P2-1B-G	NA	Grass Mix	Primary	7440-43-9	Cadmium	0.8517	0.140	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:21	
Grazing	PAG99-13(B)	P9901664	P2-1B-G	NA	Grass Mix	Primary	7439-92-1	Lead	1.911	2.700	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:21	
Grazing	PAG99-13(B)	P9901664	P2-1B-G	NA	Grass Mix	Primary	7440-48-4	Cobalt	0.1953	0.570	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:21	
Grazing	PAG99-13(B)	P9901664	P2-1B-G	NA	Grass Mix	Primary	7440-02-0	Nickel	2.212	0.250	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:21	
Grazing	PAG99-13(B)	P9901664	P2-1B-G	NA	Grass Mix	Primary	8075-39-6	Manganese	29.4	0.070	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:21	
Grazing	PAG99-13(B)	P9901664	P2-1B-G	NA	Grass Mix	Primary	7439-89-6	Iron	36.54	0.220	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:21	
Grazing	PAG99-13(B)	P9901664	P2-1B-G	NA	Grass Mix	Primary	7440-47-3	Chromium	0.0753	0.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:21	
Grazing	PAG99-13(B)	P9901664	P2-1B-G	NA	Grass Mix	Primary	7429-90-5	Aluminum	22.19	2.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:21	
Grazing	PAG99-13(B)	P9901664	P2-1B-G	NA	Grass Mix	Primary	7440-62-2	Vanadium	0.6253	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:21	
Grazing	PAG99-13(B)	P9901664	P2-1B-G	NA	Grass Mix	Primary	7440-50-8	Copper	5.7	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:21	
Grazing	PAG99-13(B)	P9901664D	P2-1B-G	NA	Grass Mix	FD	7439-98-7	Molybdenum	10.18	1.100	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:25	
Grazing	PAG99-13(B)	P9901664D	P2-1B-G	NA	Grass Mix	FD	7440-66-6	Zinc	63.48	0.330	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:25	
Grazing	PAG99-13(B)	P9901664D	P2-1B-G	NA	Grass Mix	FD	7440-43-9	Cadmium	0.8405	0.140	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:25	

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Grazing	PAG99-13(B)	P9901664D	P2-1B-G	NA	Grass Mix	FD	7439-92-1	Lead	-3.481	2.700	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:25	
Grazing	PAG99-13(B)	P9901664D	P2-1B-G	NA	Grass Mix	FD	7440-48-4	Cobalt	0.2055	0.570	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:25	
Grazing	PAG99-13(B)	P9901664D	P2-1B-G	NA	Grass Mix	FD	7440-02-0	Nickel	2.302	0.250	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:25	
Grazing	PAG99-13(B)	P9901664D	P2-1B-G	NA	Grass Mix	FD	8075-39-6	Manganese	29.33	0.070	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:25	
Grazing	PAG99-13(B)	P9901664D	P2-1B-G	NA	Grass Mix	FD	7439-89-6	Iron	33.89	0.220	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:25	
Grazing	PAG99-13(B)	P9901664D	P2-1B-G	NA	Grass Mix	FD	7440-47-3	Chromium	0.4224	0.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:25	
Grazing	PAG99-13(B)	P9901664D	P2-1B-G	NA	Grass Mix	FD	7429-90-5	Aluminum	23.1	2.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:25	
Grazing	PAG99-13(B)	P9901664D	P2-1B-G	NA	Grass Mix	FD	7440-62-2	Vanadium	0.525	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:25	
Grazing	PAG99-13(B)	P9901664D	P2-1B-G	NA	Grass Mix	FD	7440-50-8	Copper	5.809	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:25	
Grazing	PAG99-13(B)	HRL-2	House Ref. Liver	NA	Animal Tissue	HRL	7439-98-7	Molybdenum	3.367	1.100	EDL	ug/g	Wet Wt	1	3.18	106	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/9/1999	9/14/1999	13:30	
Grazing	PAG99-13(B)	HRL-2	House Ref. Liver	NA	Animal Tissue	HRL	7440-66-6	Zinc	125.5	0.330	EDL	ug/g	Wet Wt	1	119	105	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/9/1999	9/14/1999	13:30	
Grazing	PAG99-13(B)	HRL-2	House Ref. Liver	NA	Animal Tissue	HRL	7440-43-9	Cadmium	56.62	0.140	EDL	ug/g	Wet Wt	1	54.4	104	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/9/1999	9/14/1999	13:30	
Grazing	PAG99-13(B)	HRL-2	House Ref. Liver	NA	Animal Tissue	HRL	7439-92-1	Lead	49.33	2.700	EDL	ug/g	Wet Wt	1	47.9	103	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/9/1999	9/14/1999	13:30	
Grazing	PAG99-13(B)	HRL-2	House Ref. Liver	NA	Animal Tissue	HRL	7440-48-4	Cobalt	45.23	0.570	EDL	ug/g	Wet Wt	1	44.1	103	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/9/1999	9/14/1999	13:30	
Grazing	PAG99-13(B)	HRL-2	House Ref. Liver	NA	Animal Tissue	HRL	8075-39-6	Manganese	9.584	0.070	EDL	ug/g	Wet Wt	1	10.1	95	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/9/1999	9/14/1999	13:30	
Grazing	PAG99-13(B)	HRL-2	House Ref. Liver	NA	Animal Tissue	HRL	7439-89-6	Iron	189	0.220	EDL	ug/g	Wet Wt	1	183	103	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/9/1999	9/14/1999	13:30	
Grazing	PAG99-13(B)	HRL-2	House Ref. Liver	NA	Animal Tissue	HRL	7440-47-3	Chromium	51.98	0.500	EDL	ug/g	Wet Wt	1	49.2	106	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/9/1999	9/14/1999	13:30	
Grazing	PAG99-13(B)	HRL-2	House Ref. Liver	NA	Animal Tissue	HRL	7440-50-8	Copper	131.4	0.520	EDL	ug/g	Wet Wt	1	123	107	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/9/1999	9/14/1999	13:30	
Grazing	PAG99-13(B)	P9901665	P2-2B-A	NA	Alfalfa	Primary	7439-98-7	Molybdenum	13.69	1.100	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:35	
Grazing	PAG99-13(B)	P9901665	P2-2B-A	NA	Alfalfa	Primary	7440-66-6	Zinc	46.91	0.330	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:35	
Grazing	PAG99-13(B)	P9901665	P2-2B-A	NA	Alfalfa	Primary	7440-43-9	Cadmium	0.7958	0.140	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:35	
Grazing	PAG99-13(B)	P9901665	P2-2B-A	NA	Alfalfa	Primary	7439-92-1	Lead	-0.7765	2.700	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:35	
Grazing	PAG99-13(B)	P9901665	P2-2B-A	NA	Alfalfa	Primary	7440-48-4	Cobalt	0.1021	0.570	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:35	
Grazing	PAG99-13(B)	P9901665	P2-2B-A	NA	Alfalfa	Primary	7440-02-0	Nickel	4.718	0.250	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:35	
Grazing	PAG99-13(B)	P9901665	P2-2B-A	NA	Alfalfa	Primary	8075-39-6	Manganese	12.05	0.070	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:35	
Grazing	PAG99-13(B)	P9901665	P2-2B-A	NA	Alfalfa	Primary	7439-89-6	Iron	31.68	0.220	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:35	
Grazing	PAG99-13(B)	P9901665	P2-2B-A	NA	Alfalfa	Primary	7440-47-3	Chromium	0.1434	0.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:35	
Grazing	PAG99-13(B)	P9901665	P2-2B-A	NA	Alfalfa	Primary	7429-90-5	Aluminum	15.45	2.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:35	
Grazing	PAG99-13(B)	P9901665	P2-2B-A	NA	Alfalfa	Primary	7440-62-2	Vanadium	0.1198	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:35	
Grazing	PAG99-13(B)	P9901665	P2-2B-A	NA	Alfalfa	Primary	7440-50-8	Copper	4.915	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:35	
Grazing	PAG99-13(B)	P9901666	P2-2B-G	NA	Grass Mix	Primary	7439-98-7	Molybdenum	10.83	1.100	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:40	
Grazing	PAG99-13(B)	P9901666	P2-2B-G	NA	Grass Mix	Primary	7440-66-6	Zinc	63.33	0.330	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:40	
Grazing	PAG99-13(B)	P9901666	P2-2B-G	NA	Grass Mix	Primary	7440-43-9	Cadmium	0.2769	0.140	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:40	
Grazing	PAG99-13(B)	P9901666	P2-2B-G	NA	Grass Mix	Primary	7439-92-1	Lead	-1.153	2.700	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:40	
Grazing	PAG99-13(B)	P9901666	P2-2B-G	NA	Grass Mix	Primary	7440-48-4	Cobalt	-0.1412	0.570	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:40	
Grazing	PAG99-13(B)	P9901666	P2-2B-G	NA	Grass Mix	Primary	7440-02-0	Nickel	1.735	0.250	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:40	
Grazing	PAG99-13(B)	P9901666	P2-2B-G	NA	Grass Mix	Primary	8075-39-6	Manganese	31.09	0.070	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:40	
Grazing	PAG99-13(B)	P9901666	P2-2B-G	NA	Grass Mix	Primary	7439-89-6	Iron	34.84	0.220	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:40	
Grazing	PAG99-13(B)	P9901666	P2-2B-G	NA	Grass Mix	Primary	7440-47-3	Chromium	0.524	0.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:40	
Grazing	PAG99-13(B)	P9901666	P2-2B-G	NA	Grass Mix	Primary	7429-90-5	Aluminum	24.77	2.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:40	
Grazing	PAG99-13(B)	P9901666	P2-2B-G	NA	Grass Mix	Primary	7440-62-2	Vanadium	0.2293	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:40	
Grazing	PAG99-13(B)	P9901666	P2-2B-G	NA	Grass Mix	Primary	7440-50-8	Copper	8.484	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:40	
Grazing	PAG99-13(B)	P9901667	P2-3B-A	NA	Alfalfa	Primary	7439-98-7	Molybdenum	17.86	1.100	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:44	
Grazing	PAG99-13(B)	P9901667	P2-3B-A	NA	Alfalfa	Primary	7440-66-6	Zinc	54.42	0.330	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:44	
Grazing	PAG99-13(B)	P9901667	P2-3B-A	NA	Alfalfa	Primary	7440-43-9	Cadmium	1.349	0.140	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:44	
Grazing	PAG99-13(B)	P9901667	P2-3B-A	NA	Alfalfa	Primary	7439-92-1	Lead	-0.699	2.700	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:44	
Grazing	PAG99-13(B)	P9901667	P2-3B-A	NA	Alfalfa	Primary	7440-48-4	Cobalt	0.0394	0.570	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:44	
Grazing	PAG99-13(B)	P9901667	P2-3B-A	NA	Alfalfa	Primary	7440-02-0	Nickel	7.748	0.250	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:44	
Grazing	PAG99-13(B)	P9901667	P2-3B-A	NA	Alfalfa	Primary	8075-39-6	Manganese	21.06	0.070	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:44	
Grazing	PAG99-13(B)	P9901667	P2-3B-A	NA	Alfalfa	Primary	7439-89-6	Iron	39.01	0.220	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:44	
Grazing	PAG99-13(B)	P9901667	P2-3B-A	NA	Alfalfa	Primary	7440-47-3	Chromium	0.3396	0.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:44	
Grazing	PAG99-13(B)	P9901667	P2-3B-A	NA	Alfalfa	Primary	7429-90-5	Aluminum	28.4	2.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:44	
Grazing	PAG99-13(B)	P9901667	P2-3B-A	NA	Alfalfa	Primary	7440-62-2	Vanadium	0.4468	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:44	
Grazing	PAG99-13(B)	P9901667	P2-3B-A	NA	Alfalfa	Primary	7440-50-8	Copper	6.4	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	13:44	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	7439-98-7	Molybdenum		1.100	EDL	ug/g	Wet Wt	1		95	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:07	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	7440-66-6	Zinc		0.330	EDL	ug/g	Wet Wt	1		92	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:07	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	7440-43-9	Cadmium		0.140	EDL	ug/g	Wet Wt	1		92	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:07	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	7439-92-1	Lead		2.700	EDL	ug/g	Wet Wt	1		93	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:07	

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	7440-48-4	Cobalt		0.570	EDL	ug/g	Wet Wt	1		94	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:07	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	7440-02-0	Nickel		0.250	EDL	ug/g	Wet Wt	1		92	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:07	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	8075-39-6	Manganese		0.070	EDL	ug/g	Wet Wt	1		92	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:07	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	7439-89-6	Iron		0.220	EDL	ug/g	Wet Wt	1		91	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:07	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	7440-47-3	Chromium		0.500	EDL	ug/g	Wet Wt	1		96	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:07	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	7429-90-5	Aluminum		2.500	EDL	ug/g	Wet Wt	1		89	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:07	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	7440-62-2	Vanadium		0.520	EDL	ug/g	Wet Wt	1		93	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:07	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	7440-50-8	Copper		0.520	EDL	ug/g	Wet Wt	1		90	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:07	
Grazing	PAG99-13(B)	P9901668	P2-3B-G	NA	Grass Mix	Primary	7439-98-7	Molybdenum	15.18	1.100	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:11	
Grazing	PAG99-13(B)	P9901668	P2-3B-G	NA	Grass Mix	Primary	7440-66-6	Zinc	53.83	0.330	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:11	
Grazing	PAG99-13(B)	P9901668	P2-3B-G	NA	Grass Mix	Primary	7440-43-9	Cadmium	0.3273	0.140	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:11	
Grazing	PAG99-13(B)	P9901668	P2-3B-G	NA	Grass Mix	Primary	7439-92-1	Lead	-0.9362	2.700	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:11	
Grazing	PAG99-13(B)	P9901668	P2-3B-G	NA	Grass Mix	Primary	7440-48-4	Cobalt	0.0564	0.570	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:11	
Grazing	PAG99-13(B)	P9901668	P2-3B-G	NA	Grass Mix	Primary	7440-02-0	Nickel	2.4	0.250	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:11	
Grazing	PAG99-13(B)	P9901668	P2-3B-G	NA	Grass Mix	Primary	8075-39-6	Manganese	26.21	0.070	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:11	
Grazing	PAG99-13(B)	P9901668	P2-3B-G	NA	Grass Mix	Primary	7439-89-6	Iron	37.26	0.220	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:11	
Grazing	PAG99-13(B)	P9901668	P2-3B-G	NA	Grass Mix	Primary	7440-47-3	Chromium	0.2034	0.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:11	
Grazing	PAG99-13(B)	P9901668	P2-3B-G	NA	Grass Mix	Primary	7429-90-5	Aluminum	24.01	2.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:11	
Grazing	PAG99-13(B)	P9901668	P2-3B-G	NA	Grass Mix	Primary	7440-62-2	Vanadium	0.5372	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:11	
Grazing	PAG99-13(B)	P9901668	P2-3B-G	NA	Grass Mix	Primary	7440-50-8	Copper	9.771	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:11	
Grazing	PAG99-13(B)	P9901669	P2-4B-A	NA	Alfalfa	Primary	7439-98-7	Molybdenum	23.82	1.100	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:16	
Grazing	PAG99-13(B)	P9901669	P2-4B-A	NA	Alfalfa	Primary	7440-66-6	Zinc	72.43	0.330	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:16	
Grazing	PAG99-13(B)	P9901669	P2-4B-A	NA	Alfalfa	Primary	7440-43-9	Cadmium	2.165	0.140	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:16	
Grazing	PAG99-13(B)	P9901669	P2-4B-A	NA	Alfalfa	Primary	7439-92-1	Lead	0.0974	2.700	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:16	
Grazing	PAG99-13(B)	P9901669	P2-4B-A	NA	Alfalfa	Primary	7440-48-4	Cobalt	0.0671	0.570	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:16	
Grazing	PAG99-13(B)	P9901669	P2-4B-A	NA	Alfalfa	Primary	7440-02-0	Nickel	7.044	0.250	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:16	
Grazing	PAG99-13(B)	P9901669	P2-4B-A	NA	Alfalfa	Primary	8075-39-6	Manganese	10.84	0.070	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:16	
Grazing	PAG99-13(B)	P9901669	P2-4B-A	NA	Alfalfa	Primary	7439-89-6	Iron	23.06	0.220	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:16	
Grazing	PAG99-13(B)	P9901669	P2-4B-A	NA	Alfalfa	Primary	7440-47-3	Chromium	0.0079	0.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:16	
Grazing	PAG99-13(B)	P9901669	P2-4B-A	NA	Alfalfa	Primary	7429-90-5	Aluminum	12.79	2.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:16	
Grazing	PAG99-13(B)	P9901669	P2-4B-A	NA	Alfalfa	Primary	7440-62-2	Vanadium	0.1004	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:16	
Grazing	PAG99-13(B)	P9901669	P2-4B-A	NA	Alfalfa	Primary	7440-50-8	Copper	5.149	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:16	
Grazing	PAG99-13(B)	P9901670	P2-4B-G	NA	Grass Mix	Primary	7439-98-7	Molybdenum	6.021	1.100	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:20	
Grazing	PAG99-13(B)	P9901670	P2-4B-G	NA	Grass Mix	Primary	7440-66-6	Zinc	38.53	0.330	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:20	
Grazing	PAG99-13(B)	P9901670	P2-4B-G	NA	Grass Mix	Primary	7440-43-9	Cadmium	0.1478	0.140	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:20	
Grazing	PAG99-13(B)	P9901670	P2-4B-G	NA	Grass Mix	Primary	7439-92-1	Lead	-1.563	2.700	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:20	
Grazing	PAG99-13(B)	P9901670	P2-4B-G	NA	Grass Mix	Primary	7440-48-4	Cobalt	-0.1323	0.570	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:20	
Grazing	PAG99-13(B)	P9901670	P2-4B-G	NA	Grass Mix	Primary	7440-02-0	Nickel	2.457	0.250	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:20	
Grazing	PAG99-13(B)	P9901670	P2-4B-G	NA	Grass Mix	Primary	8075-39-6	Manganese	16.17	0.070	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:20	
Grazing	PAG99-13(B)	P9901670	P2-4B-G	NA	Grass Mix	Primary	7439-89-6	Iron	24.63	0.220	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:20	
Grazing	PAG99-13(B)	P9901670	P2-4B-G	NA	Grass Mix	Primary	7440-47-3	Chromium	-0.0784	0.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:20	
Grazing	PAG99-13(B)	P9901670	P2-4B-G	NA	Grass Mix	Primary	7429-90-5	Aluminum	18.29	2.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:20	
Grazing	PAG99-13(B)	P9901670	P2-4B-G	NA	Grass Mix	Primary	7440-62-2	Vanadium	0.17	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:20	
Grazing	PAG99-13(B)	P9901670	P2-4B-G	NA	Grass Mix	Primary	7440-50-8	Copper	6.431	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:20	
Grazing	PAG99-13(B)	P9901671	P2-5B-A	NA	Alfalfa	Primary	7439-98-7	Molybdenum	17.69	1.100	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:25	
Grazing	PAG99-13(B)	P9901671	P2-5B-A	NA	Alfalfa	Primary	7440-66-6	Zinc	42.27	0.330	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:25	
Grazing	PAG99-13(B)	P9901671	P2-5B-A	NA	Alfalfa	Primary	7440-43-9	Cadmium	1.785	0.140	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:25	
Grazing	PAG99-13(B)	P9901671	P2-5B-A	NA	Alfalfa	Primary	7439-92-1	Lead	-1.534	2.700	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:25	
Grazing	PAG99-13(B)	P9901671	P2-5B-A	NA	Alfalfa	Primary	7440-48-4	Cobalt	-0.797	0.570	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:25	
Grazing	PAG99-13(B)	P9901671	P2-5B-A	NA	Alfalfa	Primary	7440-02-0	Nickel	8.415	0.250	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:25	
Grazing	PAG99-13(B)	P9901671	P2-5B-A	NA	Alfalfa	Primary	8075-39-6	Manganese	9.77	0.070	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:25	
Grazing	PAG99-13(B)	P9901671	P2-5B-A	NA	Alfalfa	Primary	7439-89-6	Iron	38.91	0.220	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:25	
Grazing	PAG99-13(B)	P9901671	P2-5B-A	NA	Alfalfa	Primary	7440-47-3	Chromium	0.3561	0.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:25	
Grazing	PAG99-13(B)	P9901671	P2-5B-A	NA	Alfalfa	Primary	7429-90-5	Aluminum	24.69	2.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:25	
Grazing	PAG99-13(B)	P9901671	P2-5B-A	NA	Alfalfa	Primary	7440-62-2	Vanadium	0.0833	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:25	
Grazing	PAG99-13(B)	P9901671	P2-5B-A	NA	Alfalfa	Primary	7440-50-8	Copper	4.554	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:25	
Grazing	PAG99-13(B)	P9901672	P2-5B-G	NA	Grass Mix	Primary	7439-98-7	Molybdenum	8.98	1.100	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:30	
Grazing	PAG99-13(B)	P9901672	P2-5B-G	NA	Grass Mix	Primary	7440-66-6	Zinc	60.6	0.330	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:30	

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Grazing	PAG99-13(B)	P9901672	P2-5B-G	NA	Grass Mix	Primary	7440-43-9	Cadmium	0.8732	0.140	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:30	
Grazing	PAG99-13(B)	P9901672	P2-5B-G	NA	Grass Mix	Primary	7439-92-1	Lead	-1.218	2.700	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:30	
Grazing	PAG99-13(B)	P9901672	P2-5B-G	NA	Grass Mix	Primary	7440-48-4	Cobalt	-0.091	0.570	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:30	
Grazing	PAG99-13(B)	P9901672	P2-5B-G	NA	Grass Mix	Primary	7440-02-0	Nickel	2.055	0.250	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:30	
Grazing	PAG99-13(B)	P9901672	P2-5B-G	NA	Grass Mix	Primary	8075-39-6	Manganese	19.57	0.070	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:30	
Grazing	PAG99-13(B)	P9901672	P2-5B-G	NA	Grass Mix	Primary	7439-89-6	Iron	29.6	0.220	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:30	
Grazing	PAG99-13(B)	P9901672	P2-5B-G	NA	Grass Mix	Primary	7440-47-3	Chromium	-0.403	0.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:30	
Grazing	PAG99-13(B)	P9901672	P2-5B-G	NA	Grass Mix	Primary	7429-90-5	Aluminum	23.26	2.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:30	
Grazing	PAG99-13(B)	P9901672	P2-5B-G	NA	Grass Mix	Primary	7440-62-2	Vanadium	0.1872	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:30	
Grazing	PAG99-13(B)	P9901672	P2-5B-G	NA	Grass Mix	Primary	7440-50-8	Copper	6.055	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:30	
Grazing	PAG99-13(B)	P9901673	P3-1B-A	NA	Alfalfa	Primary	7439-98-7	Molybdenum	19.39	1.100	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:34	
Grazing	PAG99-13(B)	P9901673	P3-1B-A	NA	Alfalfa	Primary	7440-66-6	Zinc	72.81	0.330	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:34	
Grazing	PAG99-13(B)	P9901673	P3-1B-A	NA	Alfalfa	Primary	7440-43-9	Cadmium	3.176	0.140	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:34	
Grazing	PAG99-13(B)	P9901673	P3-1B-A	NA	Alfalfa	Primary	7439-92-1	Lead	-1.527	2.700	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:34	
Grazing	PAG99-13(B)	P9901673	P3-1B-A	NA	Alfalfa	Primary	7440-48-4	Cobalt	-0.0119	0.570	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:34	
Grazing	PAG99-13(B)	P9901673	P3-1B-A	NA	Alfalfa	Primary	7440-02-0	Nickel	12.12	0.250	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:34	
Grazing	PAG99-13(B)	P9901673	P3-1B-A	NA	Alfalfa	Primary	8075-39-6	Manganese	20.84	0.070	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:34	
Grazing	PAG99-13(B)	P9901673	P3-1B-A	NA	Alfalfa	Primary	7439-89-6	Iron	35.98	0.220	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:34	
Grazing	PAG99-13(B)	P9901673	P3-1B-A	NA	Alfalfa	Primary	7440-47-3	Chromium	0.1219	0.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:34	
Grazing	PAG99-13(B)	P9901673	P3-1B-A	NA	Alfalfa	Primary	7429-90-5	Aluminum	20.99	2.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:34	
Grazing	PAG99-13(B)	P9901673	P3-1B-A	NA	Alfalfa	Primary	7440-62-2	Vanadium	0.1723	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:34	
Grazing	PAG99-13(B)	P9901673	P3-1B-A	NA	Alfalfa	Primary	7440-50-8	Copper	5.781	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:34	
Grazing	PAG99-13(B)	P9901674	P3-1B-G	NA	Grass Mix	Primary	7439-98-7	Molybdenum	7.268	1.100	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:39	
Grazing	PAG99-13(B)	P9901674	P3-1B-G	NA	Grass Mix	Primary	7440-66-6	Zinc	62.1	0.330	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:39	
Grazing	PAG99-13(B)	P9901674	P3-1B-G	NA	Grass Mix	Primary	7440-43-9	Cadmium	0.8649	0.140	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:39	
Grazing	PAG99-13(B)	P9901674	P3-1B-G	NA	Grass Mix	Primary	7439-92-1	Lead	0.3251	2.700	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:39	
Grazing	PAG99-13(B)	P9901674	P3-1B-G	NA	Grass Mix	Primary	7440-48-4	Cobalt	-0.1891	0.570	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:39	
Grazing	PAG99-13(B)	P9901674	P3-1B-G	NA	Grass Mix	Primary	7440-02-0	Nickel	3.666	0.250	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:39	
Grazing	PAG99-13(B)	P9901674	P3-1B-G	NA	Grass Mix	Primary	8075-39-6	Manganese	26.39	0.070	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:39	
Grazing	PAG99-13(B)	P9901674	P3-1B-G	NA	Grass Mix	Primary	7439-89-6	Iron	50.02	0.220	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:39	
Grazing	PAG99-13(B)	P9901674	P3-1B-G	NA	Grass Mix	Primary	7440-47-3	Chromium	0.3095	0.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:39	
Grazing	PAG99-13(B)	P9901674	P3-1B-G	NA	Grass Mix	Primary	7429-90-5	Aluminum	23.54	2.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:39	
Grazing	PAG99-13(B)	P9901674	P3-1B-G	NA	Grass Mix	Primary	7440-62-2	Vanadium	0.5588	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:39	
Grazing	PAG99-13(B)	P9901674	P3-1B-G	NA	Grass Mix	Primary	7440-50-8	Copper	7.536	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:39	
Grazing	PAG99-13(B)	P9901674D	P3-1B-G	NA	Grass Mix	FD	7439-98-7	Molybdenum	6.902	1.100	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:43	
Grazing	PAG99-13(B)	P9901674D	P3-1B-G	NA	Grass Mix	FD	7440-66-6	Zinc	53.04	0.330	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:43	
Grazing	PAG99-13(B)	P9901674D	P3-1B-G	NA	Grass Mix	FD	7440-43-9	Cadmium	0.7549	0.140	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:43	
Grazing	PAG99-13(B)	P9901674D	P3-1B-G	NA	Grass Mix	FD	7439-92-1	Lead	0.5242	2.700	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:43	
Grazing	PAG99-13(B)	P9901674D	P3-1B-G	NA	Grass Mix	FD	7440-48-4	Cobalt	0.1399	0.570	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:43	
Grazing	PAG99-13(B)	P9901674D	P3-1B-G	NA	Grass Mix	FD	7440-02-0	Nickel	3.201	0.250	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:43	
Grazing	PAG99-13(B)	P9901674D	P3-1B-G	NA	Grass Mix	FD	8075-39-6	Manganese	25.28	0.070	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:43	
Grazing	PAG99-13(B)	P9901674D	P3-1B-G	NA	Grass Mix	FD	7439-89-6	Iron	47.49	0.220	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:43	
Grazing	PAG99-13(B)	P9901674D	P3-1B-G	NA	Grass Mix	FD	7440-47-3	Chromium	0.1397	0.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:43	
Grazing	PAG99-13(B)	P9901674D	P3-1B-G	NA	Grass Mix	FD	7429-90-5	Aluminum	27.6	2.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:43	
Grazing	PAG99-13(B)	P9901674D	P3-1B-G	NA	Grass Mix	FD	7440-62-2	Vanadium	0.1829	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:43	
Grazing	PAG99-13(B)	P9901674D	P3-1B-G	NA	Grass Mix	FD	7440-50-8	Copper	6.808	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:43	
Grazing	PAG99-13(B)	HRA-2	House Ref. Alfalfa	NA	Plant Tissue	HRA	7439-98-7	Molybdenum	1.303	1.100	EDL	ug/g	Wet Wt	1	1.23	106	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:48	
Grazing	PAG99-13(B)	HRA-2	House Ref. Alfalfa	NA	Plant Tissue	HRA	7440-66-6	Zinc	20.77	0.330	EDL	ug/g	Wet Wt	1	20.8	100	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:48	
Grazing	PAG99-13(B)	HRA-2	House Ref. Alfalfa	NA	Plant Tissue	HRA	7440-02-0	Nickel	1.416	0.250	EDL	ug/g	Wet Wt	1	1.19	119	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:48	
Grazing	PAG99-13(B)	HRA-2	House Ref. Alfalfa	NA	Plant Tissue	HRA	8075-39-6	Manganese	27.84	0.070	EDL	ug/g	Wet Wt	1	30.4	92	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:48	
Grazing	PAG99-13(B)	HRA-2	House Ref. Alfalfa	NA	Plant Tissue	HRA	7439-89-6	Iron	278.9	0.220	EDL	ug/g	Wet Wt	1	317	88	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:48	
Grazing	PAG99-13(B)	HRA-2	House Ref. Alfalfa	NA	Plant Tissue	HRA	7440-47-3	Chromium	0.1191	0.500	EDL	ug/g	Wet Wt	1	1.05	11	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:48	
Grazing	PAG99-13(B)	HRA-2	House Ref. Alfalfa	NA	Plant Tissue	HRA	7429-90-5	Aluminum	390.1	2.500	EDL	ug/g	Wet Wt	1	401	97	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:48	
Grazing	PAG99-13(B)	HRA-2	House Ref. Alfalfa	NA	Plant Tissue	HRA	7440-62-2	Vanadium	0.9531	0.520	EDL	ug/g	Wet Wt	1	1.12	85	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:48	
Grazing	PAG99-13(B)	HRA-2	House Ref. Alfalfa	NA	Plant Tissue	HRA	7440-50-8	Copper	8.74	0.520	EDL	ug/g	Wet Wt	1	8.01	109	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:48	
Grazing	PAG99-13(B)	P9901675	P3-2B-4	NA	Alfalfa	Primary	7439-98-7	Molybdenum	20.14	1.100	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:52	
Grazing	PAG99-13(B)	P9901675	P3-2B-4	NA	Alfalfa	Primary	7440-66-6	Zinc	51.66	0.330	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:52	
Grazing	PAG99-13(B)	P9901675	P3-2B-4	NA	Alfalfa	Primary	7440-43-9	Cadmium	2.046	0.140	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:52	

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Grazing	PAG99-13(B)	P9901675	P3-2B-4	NA	Alfalfa	Primary	7439-92-1	Lead	-1.087	2.700	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:52	
Grazing	PAG99-13(B)	P9901675	P3-2B-4	NA	Alfalfa	Primary	7440-48-4	Cobalt	-0.0455	0.570	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:52	
Grazing	PAG99-13(B)	P9901675	P3-2B-4	NA	Alfalfa	Primary	7440-02-0	Nickel	8.76	0.250	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:52	
Grazing	PAG99-13(B)	P9901675	P3-2B-4	NA	Alfalfa	Primary	8075-39-6	Manganese	11.26	0.070	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:52	
Grazing	PAG99-13(B)	P9901675	P3-2B-4	NA	Alfalfa	Primary	7439-89-6	Iron	37.41	0.220	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:52	
Grazing	PAG99-13(B)	P9901675	P3-2B-4	NA	Alfalfa	Primary	7440-47-3	Chromium	0.0589	0.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:52	
Grazing	PAG99-13(B)	P9901675	P3-2B-4	NA	Alfalfa	Primary	7429-90-5	Aluminum	18.39	2.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:52	
Grazing	PAG99-13(B)	P9901675	P3-2B-4	NA	Alfalfa	Primary	7440-62-2	Vanadium	0.1563	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:52	
Grazing	PAG99-13(B)	P9901675	P3-2B-4	NA	Alfalfa	Primary	7440-50-8	Copper	4.591	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:52	
Grazing	PAG99-13(B)	P9901676	P3-2B-G	NA	Grass Mix	Primary	7439-98-7	Molybdenum	6.051	1.100	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:57	
Grazing	PAG99-13(B)	P9901676	P3-2B-G	NA	Grass Mix	Primary	7440-66-6	Zinc	41.85	0.330	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:57	
Grazing	PAG99-13(B)	P9901676	P3-2B-G	NA	Grass Mix	Primary	7440-43-9	Cadmium	0.0564	0.140	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:57	
Grazing	PAG99-13(B)	P9901676	P3-2B-G	NA	Grass Mix	Primary	7439-92-1	Lead	-1.749	2.700	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:57	
Grazing	PAG99-13(B)	P9901676	P3-2B-G	NA	Grass Mix	Primary	7440-48-4	Cobalt	-0.0632	0.570	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:57	
Grazing	PAG99-13(B)	P9901676	P3-2B-G	NA	Grass Mix	Primary	7440-02-0	Nickel	2.134	0.250	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:57	
Grazing	PAG99-13(B)	P9901676	P3-2B-G	NA	Grass Mix	Primary	8075-39-6	Manganese	19.96	0.070	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:57	
Grazing	PAG99-13(B)	P9901676	P3-2B-G	NA	Grass Mix	Primary	7439-89-6	Iron	30.85	0.220	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:57	
Grazing	PAG99-13(B)	P9901676	P3-2B-G	NA	Grass Mix	Primary	7440-47-3	Chromium	-0.1892	0.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:57	
Grazing	PAG99-13(B)	P9901676	P3-2B-G	NA	Grass Mix	Primary	7429-90-5	Aluminum	21.22	2.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:57	
Grazing	PAG99-13(B)	P9901676	P3-2B-G	NA	Grass Mix	Primary	7440-62-2	Vanadium	0.4612	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:57	
Grazing	PAG99-13(B)	P9901676	P3-2B-G	NA	Grass Mix	Primary	7440-50-8	Copper	6.42	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	14:57	
Grazing	PAG99-13(B)	P9901677	P3-3B-A	NA	Alfalfa	Primary	7439-98-7	Molybdenum	19.33	1.100	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:02	
Grazing	PAG99-13(B)	P9901677	P3-3B-A	NA	Alfalfa	Primary	7440-66-6	Zinc	42.88	0.330	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:02	
Grazing	PAG99-13(B)	P9901677	P3-3B-A	NA	Alfalfa	Primary	7440-43-9	Cadmium	1.565	0.140	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:02	
Grazing	PAG99-13(B)	P9901677	P3-3B-A	NA	Alfalfa	Primary	7439-92-1	Lead	0.1085	2.700	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:02	
Grazing	PAG99-13(B)	P9901677	P3-3B-A	NA	Alfalfa	Primary	7440-48-4	Cobalt	-0.0639	0.570	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:02	
Grazing	PAG99-13(B)	P9901677	P3-3B-A	NA	Alfalfa	Primary	7440-02-0	Nickel	11.38	0.250	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:02	
Grazing	PAG99-13(B)	P9901677	P3-3B-A	NA	Alfalfa	Primary	8075-39-6	Manganese	7.786	0.070	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:02	
Grazing	PAG99-13(B)	P9901677	P3-3B-A	NA	Alfalfa	Primary	7439-89-6	Iron	31.48	0.220	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:02	
Grazing	PAG99-13(B)	P9901677	P3-3B-A	NA	Alfalfa	Primary	7440-47-3	Chromium	0.0516	0.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:02	
Grazing	PAG99-13(B)	P9901677	P3-3B-A	NA	Alfalfa	Primary	7429-90-5	Aluminum	16.98	2.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:02	
Grazing	PAG99-13(B)	P9901677	P3-3B-A	NA	Alfalfa	Primary	7440-62-2	Vanadium	0.1747	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:02	
Grazing	PAG99-13(B)	P9901677	P3-3B-A	NA	Alfalfa	Primary	7440-50-8	Copper	4.859	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:02	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	7439-98-7	Molybdenum		1.100	EDL	ug/g	Wet Wt	1		90	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:06	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	7440-66-6	Zinc		0.330	EDL	ug/g	Wet Wt	1		91	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:06	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	7440-43-9	Cadmium		0.140	EDL	ug/g	Wet Wt	1		95	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:06	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	7439-92-1	Lead		2.700	EDL	ug/g	Wet Wt	1		90	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:06	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	7440-48-4	Cobalt		0.570	EDL	ug/g	Wet Wt	1		93	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:06	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	7440-02-0	Nickel		0.250	EDL	ug/g	Wet Wt	1		97	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:06	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	8075-39-6	Manganese		0.070	EDL	ug/g	Wet Wt	1		93	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:06	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	7439-89-6	Iron		0.220	EDL	ug/g	Wet Wt	1		94	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:06	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	7440-47-3	Chromium		0.500	EDL	ug/g	Wet Wt	1		90	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:06	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	7429-90-5	Aluminum		2.500	EDL	ug/g	Wet Wt	1		93	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:06	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	7440-62-2	Vanadium		0.520	EDL	ug/g	Wet Wt	1		94	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:06	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	7440-50-8	Copper		0.520	EDL	ug/g	Wet Wt	1		85	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:06	
Grazing	PAG99-13(B)	P9901678	P3-3B-G	NA	Grass Mix	Primary	7439-98-7	Molybdenum	9.662	1.100	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:11	
Grazing	PAG99-13(B)	P9901678	P3-3B-G	NA	Grass Mix	Primary	7440-66-6	Zinc	56.36	0.330	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:11	
Grazing	PAG99-13(B)	P9901678	P3-3B-G	NA	Grass Mix	Primary	7440-43-9	Cadmium	0.7217	0.140	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:11	
Grazing	PAG99-13(B)	P9901678	P3-3B-G	NA	Grass Mix	Primary	7439-92-1	Lead	1.375	2.700	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:11	
Grazing	PAG99-13(B)	P9901678	P3-3B-G	NA	Grass Mix	Primary	7440-48-4	Cobalt	-0.0211	0.570	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:11	
Grazing	PAG99-13(B)	P9901678	P3-3B-G	NA	Grass Mix	Primary	7440-02-0	Nickel	1.098	0.250	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:11	
Grazing	PAG99-13(B)	P9901678	P3-3B-G	NA	Grass Mix	Primary	8075-39-6	Manganese	20.78	0.070	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:11	
Grazing	PAG99-13(B)	P9901678	P3-3B-G	NA	Grass Mix	Primary	7439-89-6	Iron	33.89	0.220	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:11	
Grazing	PAG99-13(B)	P9901678	P3-3B-G	NA	Grass Mix	Primary	7440-47-3	Chromium	0.5159	0.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:11	
Grazing	PAG99-13(B)	P9901678	P3-3B-G	NA	Grass Mix	Primary	7429-90-5	Aluminum	21.69	2.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:11	
Grazing	PAG99-13(B)	P9901678	P3-3B-G	NA	Grass Mix	Primary	7440-62-2	Vanadium	0.6408	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:11	
Grazing	PAG99-13(B)	P9901678	P3-3B-G	NA	Grass Mix	Primary	7440-50-8	Copper	5.945	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:11	
Grazing	PAG99-13(B)	P9901679	P3-4B-A	NA	Alfalfa	Primary	7439-98-7	Molybdenum	8.057	1.100	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:15	

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Grazing	PAG99-13(B)	P9901679	P3-4B-A	NA	Alfalfa	Primary	7440-66-6	Zinc	61.21	0.330	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:15	
Grazing	PAG99-13(B)	P9901679	P3-4B-A	NA	Alfalfa	Primary	7440-43-9	Cadmium	1.874	0.140	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:15	
Grazing	PAG99-13(B)	P9901679	P3-4B-A	NA	Alfalfa	Primary	7439-92-1	Lead	-0.2043	2.700	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:15	
Grazing	PAG99-13(B)	P9901679	P3-4B-A	NA	Alfalfa	Primary	7440-48-4	Cobalt	-0.1729	0.570	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:15	
Grazing	PAG99-13(B)	P9901679	P3-4B-A	NA	Alfalfa	Primary	7440-02-0	Nickel	14.52	0.250	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:15	
Grazing	PAG99-13(B)	P9901679	P3-4B-A	NA	Alfalfa	Primary	8075-39-6	Manganese	16.29	0.070	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:15	
Grazing	PAG99-13(B)	P9901679	P3-4B-A	NA	Alfalfa	Primary	7439-89-6	Iron	23.93	0.220	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:15	
Grazing	PAG99-13(B)	P9901679	P3-4B-A	NA	Alfalfa	Primary	7440-47-3	Chromium	0.1839	0.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:15	
Grazing	PAG99-13(B)	P9901679	P3-4B-A	NA	Alfalfa	Primary	7429-90-5	Aluminum	15.54	2.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:15	
Grazing	PAG99-13(B)	P9901679	P3-4B-A	NA	Alfalfa	Primary	7440-62-2	Vanadium	0.2137	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:15	
Grazing	PAG99-13(B)	P9901679	P3-4B-A	NA	Alfalfa	Primary	7440-50-8	Copper	6.112	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:15	
Grazing	PAG99-13(B)	P9901680	P3-4B-G	NA	Grass Mix	Primary	7439-98-7	Molybdenum	3.795	1.100	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:20	
Grazing	PAG99-13(B)	P9901680	P3-4B-G	NA	Grass Mix	Primary	7440-66-6	Zinc	53.87	0.330	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:20	
Grazing	PAG99-13(B)	P9901680	P3-4B-G	NA	Grass Mix	Primary	7440-43-9	Cadmium	0.6935	0.140	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:20	
Grazing	PAG99-13(B)	P9901680	P3-4B-G	NA	Grass Mix	Primary	7439-92-1	Lead	-0.9442	2.700	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:20	
Grazing	PAG99-13(B)	P9901680	P3-4B-G	NA	Grass Mix	Primary	7440-48-4	Cobalt	-0.3981	0.570	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:20	
Grazing	PAG99-13(B)	P9901680	P3-4B-G	NA	Grass Mix	Primary	7440-02-0	Nickel	3.404	0.250	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:20	
Grazing	PAG99-13(B)	P9901680	P3-4B-G	NA	Grass Mix	Primary	8075-39-6	Manganese	22.47	0.070	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:20	
Grazing	PAG99-13(B)	P9901680	P3-4B-G	NA	Grass Mix	Primary	7439-89-6	Iron	26.56	0.220	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:20	
Grazing	PAG99-13(B)	P9901680	P3-4B-G	NA	Grass Mix	Primary	7440-47-3	Chromium	-0.1215	0.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:20	
Grazing	PAG99-13(B)	P9901680	P3-4B-G	NA	Grass Mix	Primary	7429-90-5	Aluminum	26.49	2.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:20	
Grazing	PAG99-13(B)	P9901680	P3-4B-G	NA	Grass Mix	Primary	7440-62-2	Vanadium	0.3331	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:20	
Grazing	PAG99-13(B)	P9901680	P3-4B-G	NA	Grass Mix	Primary	7440-50-8	Copper	8.269	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:20	
Grazing	PAG99-13(B)	P9901681	P3-5B-A	NA	Alfalfa	Primary	7439-98-7	Molybdenum	16.03	1.100	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:24	
Grazing	PAG99-13(B)	P9901681	P3-5B-A	NA	Alfalfa	Primary	7440-66-6	Zinc	68.19	0.330	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:24	
Grazing	PAG99-13(B)	P9901681	P3-5B-A	NA	Alfalfa	Primary	7440-43-9	Cadmium	2.184	0.140	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:24	
Grazing	PAG99-13(B)	P9901681	P3-5B-A	NA	Alfalfa	Primary	7439-92-1	Lead	-1.882	2.700	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:24	
Grazing	PAG99-13(B)	P9901681	P3-5B-A	NA	Alfalfa	Primary	7440-48-4	Cobalt	-0.0203	0.570	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:24	
Grazing	PAG99-13(B)	P9901681	P3-5B-A	NA	Alfalfa	Primary	7440-02-0	Nickel	13	0.250	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:24	
Grazing	PAG99-13(B)	P9901681	P3-5B-A	NA	Alfalfa	Primary	8075-39-6	Manganese	17.07	0.070	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:24	
Grazing	PAG99-13(B)	P9901681	P3-5B-A	NA	Alfalfa	Primary	7439-89-6	Iron	32.21	0.220	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:24	
Grazing	PAG99-13(B)	P9901681	P3-5B-A	NA	Alfalfa	Primary	7440-47-3	Chromium	-0.0481	0.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:24	
Grazing	PAG99-13(B)	P9901681	P3-5B-A	NA	Alfalfa	Primary	7429-90-5	Aluminum	16.52	2.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:24	
Grazing	PAG99-13(B)	P9901681	P3-5B-A	NA	Alfalfa	Primary	7440-62-2	Vanadium	0.065	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:24	
Grazing	PAG99-13(B)	P9901681	P3-5B-A	NA	Alfalfa	Primary	7440-50-8	Copper	7.103	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:24	
Grazing	PAG99-13(B)	P9901682	P3-5B-G	NA	Grass Mix	Primary	7439-98-7	Molybdenum	7.952	1.100	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:29	
Grazing	PAG99-13(B)	P9901682	P3-5B-G	NA	Grass Mix	Primary	7440-66-6	Zinc	65.6	0.330	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:29	
Grazing	PAG99-13(B)	P9901682	P3-5B-G	NA	Grass Mix	Primary	7440-43-9	Cadmium	0.5835	0.140	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:29	
Grazing	PAG99-13(B)	P9901682	P3-5B-G	NA	Grass Mix	Primary	7439-92-1	Lead	-1.628	2.700	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:29	
Grazing	PAG99-13(B)	P9901682	P3-5B-G	NA	Grass Mix	Primary	7440-48-4	Cobalt	-0.1524	0.570	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:29	
Grazing	PAG99-13(B)	P9901682	P3-5B-G	NA	Grass Mix	Primary	7440-02-0	Nickel	2.642	0.250	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:29	
Grazing	PAG99-13(B)	P9901682	P3-5B-G	NA	Grass Mix	Primary	8075-39-6	Manganese	29.19	0.070	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:29	
Grazing	PAG99-13(B)	P9901682	P3-5B-G	NA	Grass Mix	Primary	7439-89-6	Iron	39.14	0.220	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:29	
Grazing	PAG99-13(B)	P9901682	P3-5B-G	NA	Grass Mix	Primary	7440-47-3	Chromium	-0.0189	0.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:29	
Grazing	PAG99-13(B)	P9901682	P3-5B-G	NA	Grass Mix	Primary	7429-90-5	Aluminum	45.96	2.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:29	
Grazing	PAG99-13(B)	P9901682	P3-5B-G	NA	Grass Mix	Primary	7440-62-2	Vanadium	0.5558	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:29	
Grazing	PAG99-13(B)	P9901682	P3-5B-G	NA	Grass Mix	Primary	7440-50-8	Copper	5.896	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:29	
Grazing	PAG99-13(B)	P9901683	NH1A	NA	Alfalfa	Primary	7439-98-7	Molybdenum	50.94	1.100	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:34	
Grazing	PAG99-13(B)	P9901683	NH1A	NA	Alfalfa	Primary	7440-66-6	Zinc	113.8	0.330	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:34	
Grazing	PAG99-13(B)	P9901683	NH1A	NA	Alfalfa	Primary	7440-43-9	Cadmium	2.804	0.140	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:34	
Grazing	PAG99-13(B)	P9901683	NH1A	NA	Alfalfa	Primary	7439-92-1	Lead	0.5741	2.700	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:34	
Grazing	PAG99-13(B)	P9901683	NH1A	NA	Alfalfa	Primary	7440-48-4	Cobalt	0.2037	0.570	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:34	
Grazing	PAG99-13(B)	P9901683	NH1A	NA	Alfalfa	Primary	7440-02-0	Nickel	11.74	0.250	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:34	
Grazing	PAG99-13(B)	P9901683	NH1A	NA	Alfalfa	Primary	8075-39-6	Manganese	9.721	0.070	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:34	
Grazing	PAG99-13(B)	P9901683	NH1A	NA	Alfalfa	Primary	7439-89-6	Iron	23.08	0.220	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:34	
Grazing	PAG99-13(B)	P9901683	NH1A	NA	Alfalfa	Primary	7440-47-3	Chromium	-0.1247	0.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:34	
Grazing	PAG99-13(B)	P9901683	NH1A	NA	Alfalfa	Primary	7429-90-5	Aluminum	19.65	2.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:34	
Grazing	PAG99-13(B)	P9901683	NH1A	NA	Alfalfa	Primary	7440-62-2	Vanadium	0.1646	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:34	

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Grazing	PAG99-13(B)	P9901683	NH1A	NA	Alfalfa	Primary	7440-50-8	Copper	8.92	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:34	
Grazing	PAG99-13(B)	P9901684	NH1G	NA	Grass Mix	Primary	7439-98-7	Molybdenum	18.25	1.100	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:39	
Grazing	PAG99-13(B)	P9901684	NH1G	NA	Grass Mix	Primary	7440-66-6	Zinc	47.26	0.330	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:39	
Grazing	PAG99-13(B)	P9901684	NH1G	NA	Grass Mix	Primary	7440-43-9	Cadmium	0.2908	0.140	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:39	
Grazing	PAG99-13(B)	P9901684	NH1G	NA	Grass Mix	Primary	7439-92-1	Lead	0.0707	2.700	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:39	
Grazing	PAG99-13(B)	P9901684	NH1G	NA	Grass Mix	Primary	7440-48-4	Cobalt	0.1041	0.570	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:39	
Grazing	PAG99-13(B)	P9901684	NH1G	NA	Grass Mix	Primary	7440-02-0	Nickel	0.9849	0.250	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:39	
Grazing	PAG99-13(B)	P9901684	NH1G	NA	Grass Mix	Primary	8075-39-6	Manganese	30.93	0.070	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:39	
Grazing	PAG99-13(B)	P9901684	NH1G	NA	Grass Mix	Primary	7439-89-6	Iron	34.12	0.220	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:39	
Grazing	PAG99-13(B)	P9901684	NH1G	NA	Grass Mix	Primary	7440-47-3	Chromium	0.4014	0.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:39	
Grazing	PAG99-13(B)	P9901684	NH1G	NA	Grass Mix	Primary	7429-90-5	Aluminum	28.29	2.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:39	
Grazing	PAG99-13(B)	P9901684	NH1G	NA	Grass Mix	Primary	7440-62-2	Vanadium	0.4578	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:39	
Grazing	PAG99-13(B)	P9901684	NH1G	NA	Grass Mix	Primary	7440-50-8	Copper	7.183	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:39	
Grazing	PAG99-13(B)	P9901684D	NH1G	NA	Grass Mix	FD	7439-98-7	Molybdenum	16.98	1.100	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:44	
Grazing	PAG99-13(B)	P9901684D	NH1G	NA	Grass Mix	FD	7440-66-6	Zinc	46.19	0.330	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:44	
Grazing	PAG99-13(B)	P9901684D	NH1G	NA	Grass Mix	FD	7440-43-9	Cadmium	0.0685	0.140	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:44	
Grazing	PAG99-13(B)	P9901684D	NH1G	NA	Grass Mix	FD	7439-92-1	Lead	-2.115	2.700	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:44	
Grazing	PAG99-13(B)	P9901684D	NH1G	NA	Grass Mix	FD	7440-48-4	Cobalt	-0.2067	0.570	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:44	
Grazing	PAG99-13(B)	P9901684D	NH1G	NA	Grass Mix	FD	7440-02-0	Nickel	1.276	0.250	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:44	
Grazing	PAG99-13(B)	P9901684D	NH1G	NA	Grass Mix	FD	8075-39-6	Manganese	31.95	0.070	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:44	
Grazing	PAG99-13(B)	P9901684D	NH1G	NA	Grass Mix	FD	7439-89-6	Iron	34.82	0.220	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:44	
Grazing	PAG99-13(B)	P9901684D	NH1G	NA	Grass Mix	FD	7440-47-3	Chromium	-0.3923	0.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:44	
Grazing	PAG99-13(B)	P9901684D	NH1G	NA	Grass Mix	FD	7429-90-5	Aluminum	30.99	2.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:44	
Grazing	PAG99-13(B)	P9901684D	NH1G	NA	Grass Mix	FD	7440-62-2	Vanadium	0.3185	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:44	
Grazing	PAG99-13(B)	P9901684D	NH1G	NA	Grass Mix	FD	7440-50-8	Copper	7.326	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:44	
Grazing	PAG99-13(B)	HRA-3	House Ref. Alfalfa	NA	Plant Tissue	HRA	7439-98-7	Molybdenum	1.486	1.100	EDL	ug/g	Wet Wt	1	1.23	121	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:48	
Grazing	PAG99-13(B)	HRA-3	House Ref. Alfalfa	NA	Plant Tissue	HRA	7440-66-6	Zinc	20.84	0.330	EDL	ug/g	Wet Wt	1	20.8	100	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:48	
Grazing	PAG99-13(B)	HRA-3	House Ref. Alfalfa	NA	Plant Tissue	HRA	7440-02-0	Nickel	0.6702	0.250	EDL	ug/g	Wet Wt	1	1.19	56	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:48	
Grazing	PAG99-13(B)	HRA-3	House Ref. Alfalfa	NA	Plant Tissue	HRA	8075-39-6	Manganese	31.04	0.070	EDL	ug/g	Wet Wt	1	30.4	102	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:48	
Grazing	PAG99-13(B)	HRA-3	House Ref. Alfalfa	NA	Plant Tissue	HRA	7439-89-6	Iron	327.1	0.220	EDL	ug/g	Wet Wt	1	317	103	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:48	
Grazing	PAG99-13(B)	HRA-3	House Ref. Alfalfa	NA	Plant Tissue	HRA	7440-47-3	Chromium	4.035	0.500	EDL	ug/g	Wet Wt	1	1.05	384	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:48	
Grazing	PAG99-13(B)	HRA-3	House Ref. Alfalfa	NA	Plant Tissue	HRA	7429-90-5	Aluminum	424	2.500	EDL	ug/g	Wet Wt	1	401	106	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:48	
Grazing	PAG99-13(B)	HRA-3	House Ref. Alfalfa	NA	Plant Tissue	HRA	7440-62-2	Vanadium	0.935	0.520	EDL	ug/g	Wet Wt	1	1.12	83	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:48	
Grazing	PAG99-13(B)	HRA-3	House Ref. Alfalfa	NA	Plant Tissue	HRA	7440-50-8	Copper	8.56	0.520	EDL	ug/g	Wet Wt	1	8.01	107	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:48	
Grazing	PAG99-13(B)	P9901685	NH2A	NA	Alfalfa	Primary	7439-98-7	Molybdenum	9.622	1.100	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:53	
Grazing	PAG99-13(B)	P9901685	NH2A	NA	Alfalfa	Primary	7440-66-6	Zinc	54.47	0.330	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:53	
Grazing	PAG99-13(B)	P9901685	NH2A	NA	Alfalfa	Primary	7440-43-9	Cadmium	0.8375	0.140	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:53	
Grazing	PAG99-13(B)	P9901685	NH2A	NA	Alfalfa	Primary	7439-92-1	Lead	-1.862	2.700	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:53	
Grazing	PAG99-13(B)	P9901685	NH2A	NA	Alfalfa	Primary	7440-48-4	Cobalt	0.1805	0.570	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:53	
Grazing	PAG99-13(B)	P9901685	NH2A	NA	Alfalfa	Primary	7440-02-0	Nickel	4.275	0.250	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:53	
Grazing	PAG99-13(B)	P9901685	NH2A	NA	Alfalfa	Primary	8075-39-6	Manganese	18.95	0.070	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:53	
Grazing	PAG99-13(B)	P9901685	NH2A	NA	Alfalfa	Primary	7439-89-6	Iron	29.57	0.220	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:53	
Grazing	PAG99-13(B)	P9901685	NH2A	NA	Alfalfa	Primary	7440-47-3	Chromium	-0.2751	0.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:53	
Grazing	PAG99-13(B)	P9901685	NH2A	NA	Alfalfa	Primary	7429-90-5	Aluminum	17.49	2.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:53	
Grazing	PAG99-13(B)	P9901685	NH2A	NA	Alfalfa	Primary	7440-62-2	Vanadium	0.1531	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:53	
Grazing	PAG99-13(B)	P9901685	NH2A	NA	Alfalfa	Primary	7440-50-8	Copper	6.379	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:53	
Grazing	PAG99-13(B)	P9901686	NH2G	NA	Grass Mix	Primary	7439-98-7	Molybdenum	6.129	1.100	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:57	
Grazing	PAG99-13(B)	P9901686	NH2G	NA	Grass Mix	Primary	7440-66-6	Zinc	32.28	0.330	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:57	
Grazing	PAG99-13(B)	P9901686	NH2G	NA	Grass Mix	Primary	7440-43-9	Cadmium	0.1358	0.140	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:57	
Grazing	PAG99-13(B)	P9901686	NH2G	NA	Grass Mix	Primary	7439-92-1	Lead	-0.7812	2.700	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:57	
Grazing	PAG99-13(B)	P9901686	NH2G	NA	Grass Mix	Primary	7440-48-4	Cobalt	-0.028	0.570	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:57	
Grazing	PAG99-13(B)	P9901686	NH2G	NA	Grass Mix	Primary	7440-02-0	Nickel	1.227	0.250	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:57	
Grazing	PAG99-13(B)	P9901686	NH2G	NA	Grass Mix	Primary	8075-39-6	Manganese	35.39	0.070	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:57	
Grazing	PAG99-13(B)	P9901686	NH2G	NA	Grass Mix	Primary	7439-89-6	Iron	40.99	0.220	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:57	
Grazing	PAG99-13(B)	P9901686	NH2G	NA	Grass Mix	Primary	7440-47-3	Chromium	0.1727	0.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:57	
Grazing	PAG99-13(B)	P9901686	NH2G	NA	Grass Mix	Primary	7429-90-5	Aluminum	31.86	2.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:57	
Grazing	PAG99-13(B)	P9901686	NH2G	NA	Grass Mix	Primary	7440-62-2	Vanadium	0.4297	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:57	
Grazing	PAG99-13(B)	P9901686	NH2G	NA	Grass Mix	Primary	7440-50-8	Copper	8.197	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	15:57	

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Grazing	PAG99-13(B)	P9901687	NH3A	NA	Alfalfa	Primary	7439-98-7	Molybdenum	5.914	1.100	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:02	
Grazing	PAG99-13(B)	P9901687	NH3A	NA	Alfalfa	Primary	7440-66-6	Zinc	56.04	0.330	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:02	
Grazing	PAG99-13(B)	P9901687	NH3A	NA	Alfalfa	Primary	7440-43-9	Cadmium	0.5677	0.140	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:02	
Grazing	PAG99-13(B)	P9901687	NH3A	NA	Alfalfa	Primary	7439-92-1	Lead	-1.302	2.700	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:02	
Grazing	PAG99-13(B)	P9901687	NH3A	NA	Alfalfa	Primary	7440-48-4	Cobalt	0.1182	0.570	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:02	
Grazing	PAG99-13(B)	P9901687	NH3A	NA	Alfalfa	Primary	7440-02-0	Nickel	5.733	0.250	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:02	
Grazing	PAG99-13(B)	P9901687	NH3A	NA	Alfalfa	Primary	8075-39-6	Manganese	21.46	0.070	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:02	
Grazing	PAG99-13(B)	P9901687	NH3A	NA	Alfalfa	Primary	7439-89-6	Iron	46.48	0.220	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:02	
Grazing	PAG99-13(B)	P9901687	NH3A	NA	Alfalfa	Primary	7440-47-3	Chromium	0.0603	0.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:02	
Grazing	PAG99-13(B)	P9901687	NH3A	NA	Alfalfa	Primary	7429-90-5	Aluminum	17.13	2.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:02	
Grazing	PAG99-13(B)	P9901687	NH3A	NA	Alfalfa	Primary	7440-62-2	Vanadium	0.1672	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:02	
Grazing	PAG99-13(B)	P9901687	NH3A	NA	Alfalfa	Primary	7440-50-8	Copper	6.077	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:02	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	7439-98-7	Molybdenum		1.100	EDL	ug/g	Wet Wt	1		93	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:06	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	7440-66-6	Zinc		0.330	EDL	ug/g	Wet Wt	1		92	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:06	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	7440-43-9	Cadmium		0.140	EDL	ug/g	Wet Wt	1		97	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:06	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	7439-92-1	Lead		2.700	EDL	ug/g	Wet Wt	1		92	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:06	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	7440-48-4	Cobalt		0.570	EDL	ug/g	Wet Wt	1		94	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:06	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	7440-02-0	Nickel		0.250	EDL	ug/g	Wet Wt	1		98	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:06	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	8075-39-6	Manganese		0.070	EDL	ug/g	Wet Wt	1		99	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:06	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	7439-89-6	Iron		0.220	EDL	ug/g	Wet Wt	1		101	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:06	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	7440-47-3	Chromium		0.500	EDL	ug/g	Wet Wt	1		93	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:06	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	7429-90-5	Aluminum		2.500	EDL	ug/g	Wet Wt	1		101	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:06	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	7440-62-2	Vanadium		0.520	EDL	ug/g	Wet Wt	1		103	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:06	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	7440-50-8	Copper		0.520	EDL	ug/g	Wet Wt	1		100	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:06	
Grazing	PAG99-13(B)	P9901688	NH3G	NA	Grass Mix	Primary	7439-98-7	Molybdenum	16.41	1.100	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:11	
Grazing	PAG99-13(B)	P9901688	NH3G	NA	Grass Mix	Primary	7440-66-6	Zinc	54.24	0.330	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:11	
Grazing	PAG99-13(B)	P9901688	NH3G	NA	Grass Mix	Primary	7440-43-9	Cadmium	0.2325	0.140	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:11	
Grazing	PAG99-13(B)	P9901688	NH3G	NA	Grass Mix	Primary	7439-92-1	Lead	-0.4873	2.700	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:11	
Grazing	PAG99-13(B)	P9901688	NH3G	NA	Grass Mix	Primary	7440-48-4	Cobalt	0.133	0.570	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:11	
Grazing	PAG99-13(B)	P9901688	NH3G	NA	Grass Mix	Primary	7440-02-0	Nickel	1.6	0.250	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:11	
Grazing	PAG99-13(B)	P9901688	NH3G	NA	Grass Mix	Primary	8075-39-6	Manganese	44.07	0.070	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:11	
Grazing	PAG99-13(B)	P9901688	NH3G	NA	Grass Mix	Primary	7439-89-6	Iron	56.46	0.220	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:11	
Grazing	PAG99-13(B)	P9901688	NH3G	NA	Grass Mix	Primary	7440-47-3	Chromium	0.0705	0.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:11	
Grazing	PAG99-13(B)	P9901688	NH3G	NA	Grass Mix	Primary	7429-90-5	Aluminum	38.57	2.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:11	
Grazing	PAG99-13(B)	P9901688	NH3G	NA	Grass Mix	Primary	7440-62-2	Vanadium	0.4418	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:11	
Grazing	PAG99-13(B)	P9901688	NH3G	NA	Grass Mix	Primary	7440-50-8	Copper	9.302	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:11	
Grazing	PAG99-13(B)	P9901689	NH4A	NA	Alfalfa	Primary	7439-98-7	Molybdenum	32.71	1.100	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:16	
Grazing	PAG99-13(B)	P9901689	NH4A	NA	Alfalfa	Primary	7440-66-6	Zinc	64.92	0.330	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:16	
Grazing	PAG99-13(B)	P9901689	NH4A	NA	Alfalfa	Primary	7440-43-9	Cadmium	2.559	0.140	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:16	
Grazing	PAG99-13(B)	P9901689	NH4A	NA	Alfalfa	Primary	7439-92-1	Lead	-1.656	2.700	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:16	
Grazing	PAG99-13(B)	P9901689	NH4A	NA	Alfalfa	Primary	7440-48-4	Cobalt	-0.098	0.570	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:16	
Grazing	PAG99-13(B)	P9901689	NH4A	NA	Alfalfa	Primary	7440-02-0	Nickel	6.317	0.250	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:16	
Grazing	PAG99-13(B)	P9901689	NH4A	NA	Alfalfa	Primary	8075-39-6	Manganese	11.97	0.070	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:16	
Grazing	PAG99-13(B)	P9901689	NH4A	NA	Alfalfa	Primary	7439-89-6	Iron	32.06	0.220	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:16	
Grazing	PAG99-13(B)	P9901689	NH4A	NA	Alfalfa	Primary	7440-47-3	Chromium	0.1929	0.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:16	
Grazing	PAG99-13(B)	P9901689	NH4A	NA	Alfalfa	Primary	7429-90-5	Aluminum	21.89	2.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:16	
Grazing	PAG99-13(B)	P9901689	NH4A	NA	Alfalfa	Primary	7440-62-2	Vanadium	0.3177	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:16	
Grazing	PAG99-13(B)	P9901689	NH4A	NA	Alfalfa	Primary	7440-50-8	Copper	4.089	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:16	
Grazing	PAG99-13(B)	P9901690	NH4G	NA	Grass Mix	Primary	7439-98-7	Molybdenum	12.42	1.100	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:20	
Grazing	PAG99-13(B)	P9901690	NH4G	NA	Grass Mix	Primary	7440-66-6	Zinc	43.03	0.330	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:20	
Grazing	PAG99-13(B)	P9901690	NH4G	NA	Grass Mix	Primary	7440-43-9	Cadmium	0.9443	0.140	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:20	
Grazing	PAG99-13(B)	P9901690	NH4G	NA	Grass Mix	Primary	7439-92-1	Lead	0.8937	2.700	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:20	
Grazing	PAG99-13(B)	P9901690	NH4G	NA	Grass Mix	Primary	7440-48-4	Cobalt	0.0061	0.570	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:20	
Grazing	PAG99-13(B)	P9901690	NH4G	NA	Grass Mix	Primary	7440-02-0	Nickel	0.5572	0.250	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:20	
Grazing	PAG99-13(B)	P9901690	NH4G	NA	Grass Mix	Primary	8075-39-6	Manganese	18.79	0.070	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:20	
Grazing	PAG99-13(B)	P9901690	NH4G	NA	Grass Mix	Primary	7439-89-6	Iron	42.12	0.220	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:20	
Grazing	PAG99-13(B)	P9901690	NH4G	NA	Grass Mix	Primary	7440-47-3	Chromium	-0.0308	0.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:20	
Grazing	PAG99-13(B)	P9901690	NH4G	NA	Grass Mix	Primary	7429-90-5	Aluminum	36.27	2.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:20	

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Grazing	PAG99-13(B)	P9901690	NH4G	NA	Grass Mix	Primary	7440-62-2	Vanadium	0.4359	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:20	
Grazing	PAG99-13(B)	P9901690	NH4G	NA	Grass Mix	Primary	7440-50-8	Copper	7.225	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:20	
Grazing	PAG99-13(B)	P9901691	NH5A	NA	Alfalfa	Primary	7439-98-7	Molybdenum	17.72	1.100	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:25	
Grazing	PAG99-13(B)	P9901691	NH5A	NA	Alfalfa	Primary	7440-66-6	Zinc	62.59	0.330	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:25	
Grazing	PAG99-13(B)	P9901691	NH5A	NA	Alfalfa	Primary	7440-43-9	Cadmium	1.155	0.140	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:25	
Grazing	PAG99-13(B)	P9901691	NH5A	NA	Alfalfa	Primary	7439-92-1	Lead	2.007	2.700	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:25	
Grazing	PAG99-13(B)	P9901691	NH5A	NA	Alfalfa	Primary	7440-48-4	Cobalt	0.1532	0.570	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:25	
Grazing	PAG99-13(B)	P9901691	NH5A	NA	Alfalfa	Primary	7440-02-0	Nickel	13.61	0.250	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:25	
Grazing	PAG99-13(B)	P9901691	NH5A	NA	Alfalfa	Primary	8075-39-6	Manganese	13.46	0.070	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:25	
Grazing	PAG99-13(B)	P9901691	NH5A	NA	Alfalfa	Primary	7439-89-6	Iron	53.05	0.220	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:25	
Grazing	PAG99-13(B)	P9901691	NH5A	NA	Alfalfa	Primary	7440-47-3	Chromium	0.2511	0.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:25	
Grazing	PAG99-13(B)	P9901691	NH5A	NA	Alfalfa	Primary	7429-90-5	Aluminum	40.69	2.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:25	
Grazing	PAG99-13(B)	P9901691	NH5A	NA	Alfalfa	Primary	7440-62-2	Vanadium	0.5669	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:25	
Grazing	PAG99-13(B)	P9901691	NH5A	NA	Alfalfa	Primary	7440-50-8	Copper	4.209	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:25	
Grazing	PAG99-13(B)	P9901692	NH5G	NA	Grass Mix	Primary	7439-98-7	Molybdenum	6.845	1.100	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:29	
Grazing	PAG99-13(B)	P9901692	NH5G	NA	Grass Mix	Primary	7440-66-6	Zinc	74.27	0.330	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:29	
Grazing	PAG99-13(B)	P9901692	NH5G	NA	Grass Mix	Primary	7440-43-9	Cadmium	0.7191	0.140	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:29	
Grazing	PAG99-13(B)	P9901692	NH5G	NA	Grass Mix	Primary	7439-92-1	Lead	-0.9153	2.700	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:29	
Grazing	PAG99-13(B)	P9901692	NH5G	NA	Grass Mix	Primary	7440-48-4	Cobalt	-0.1924	0.570	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:29	
Grazing	PAG99-13(B)	P9901692	NH5G	NA	Grass Mix	Primary	7440-02-0	Nickel	1.673	0.250	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:29	
Grazing	PAG99-13(B)	P9901692	NH5G	NA	Grass Mix	Primary	8075-39-6	Manganese	34.28	0.070	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:29	
Grazing	PAG99-13(B)	P9901692	NH5G	NA	Grass Mix	Primary	7439-89-6	Iron	39.09	0.220	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:29	
Grazing	PAG99-13(B)	P9901692	NH5G	NA	Grass Mix	Primary	7440-47-3	Chromium	0.2014	0.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:29	
Grazing	PAG99-13(B)	P9901692	NH5G	NA	Grass Mix	Primary	7429-90-5	Aluminum	34.74	2.500	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:29	
Grazing	PAG99-13(B)	P9901692	NH5G	NA	Grass Mix	Primary	7440-62-2	Vanadium	0.461	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:29	
Grazing	PAG99-13(B)	P9901692	NH5G	NA	Grass Mix	Primary	7440-50-8	Copper	4.595	0.520	EDL	ug/g	Wet Wt	1			8/17/1999	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:29	
Grazing	PAG99-13(B)	T-2	TORT-2	NA	Plant Tissue	SRM	7439-98-7	Molybdenum	3.013	1.100	EDL	ug/g	Wet Wt	1	0.95	317	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:34	
Grazing	PAG99-13(B)	T-2	TORT-2	NA	Plant Tissue	SRM	7440-66-6	Zinc	188.8	0.330	EDL	ug/g	Wet Wt	1	180	105	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:34	
Grazing	PAG99-13(B)	T-2	TORT-2	NA	Plant Tissue	SRM	7440-43-9	Cadmium	29.13	0.140	EDL	ug/g	Wet Wt	1	26.7	109	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:34	
Grazing	PAG99-13(B)	T-2	TORT-2	NA	Plant Tissue	SRM	7439-92-1	Lead	1.19	2.700	EDL	ug/g	Wet Wt	1			NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:34	
Grazing	PAG99-13(B)	T-2	TORT-2	NA	Plant Tissue	SRM	7440-48-4	Cobalt	0.3	0.570	EDL	ug/g	Wet Wt	1	0.51	59	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:34	
Grazing	PAG99-13(B)	T-2	TORT-2	NA	Plant Tissue	SRM	7440-02-0	Nickel	4.398	0.250	EDL	ug/g	Wet Wt	1	2.5	176	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:34	
Grazing	PAG99-13(B)	T-2	TORT-2	NA	Plant Tissue	SRM	8075-39-6	Manganese	12.82	0.070	EDL	ug/g	Wet Wt	1	13.6	94	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:34	
Grazing	PAG99-13(B)	T-2	TORT-2	NA	Plant Tissue	SRM	7439-89-6	Iron	109	0.220	EDL	ug/g	Wet Wt	1	105	104	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:34	
Grazing	PAG99-13(B)	T-2	TORT-2	NA	Plant Tissue	SRM	7440-47-3	Chromium	0.7097	0.500	EDL	ug/g	Wet Wt	1			NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:34	
Grazing	PAG99-13(B)	T-2	TORT-2	NA	Plant Tissue	SRM	7429-90-5	Aluminum	24.99	2.500	EDL	ug/g	Wet Wt	1			NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:34	
Grazing	PAG99-13(B)	T-2	TORT-2	NA	Plant Tissue	SRM	7440-62-2	Vanadium	1.883	0.520	EDL	ug/g	Wet Wt	1	1.64	115	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:34	
Grazing	PAG99-13(B)	T-2	TORT-2	NA	Plant Tissue	SRM	7440-50-8	Copper	103.4	0.520	EDL	ug/g	Wet Wt	1	106	98	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:34	
Grazing	PAG99-13(B)	HRA-5	House Ref. Alfalfa	NA	Plant Tissue	HRA	7439-98-7	Molybdenum	1.61	1.100	EDL	ug/g	Wet Wt	1	1.23	131	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:38	
Grazing	PAG99-13(B)	HRA-5	House Ref. Alfalfa	NA	Plant Tissue	HRA	7440-66-6	Zinc	21.1	0.330	EDL	ug/g	Wet Wt	1	20.8	101	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:38	
Grazing	PAG99-13(B)	HRA-5	House Ref. Alfalfa	NA	Plant Tissue	HRA	8075-39-6	Manganese	30.27	0.070	EDL	ug/g	Wet Wt	1	30.4	100	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:38	
Grazing	PAG99-13(B)	HRA-5	House Ref. Alfalfa	NA	Plant Tissue	HRA	7439-89-6	Iron	351	0.220	EDL	ug/g	Wet Wt	1	317	111	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:38	
Grazing	PAG99-13(B)	HRA-5	House Ref. Alfalfa	NA	Plant Tissue	HRA	7440-47-3	Chromium	0.2158	0.500	EDL	ug/g	Wet Wt	1	1.05	21	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:38	
Grazing	PAG99-13(B)	HRA-5	House Ref. Alfalfa	NA	Plant Tissue	HRA	7429-90-5	Aluminum	425	2.500	EDL	ug/g	Wet Wt	1	401	106	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:38	
Grazing	PAG99-13(B)	HRA-5	House Ref. Alfalfa	NA	Plant Tissue	HRA	7440-62-2	Vanadium	0.93	0.520	EDL	ug/g	Wet Wt	1	1.12	83	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:38	
Grazing	PAG99-13(B)	HRA-5	House Ref. Alfalfa	NA	Plant Tissue	HRA	7440-50-8	Copper	7.79	0.520	EDL	ug/g	Wet Wt	1	8.01	97	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:38	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	7439-98-7	Molybdenum		1.100	EDL	ug/g	Wet Wt	1		91	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:43	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	7440-66-6	Zinc		0.330	EDL	ug/g	Wet Wt	1		92	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:43	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	7440-43-9	Cadmium		0.140	EDL	ug/g	Wet Wt	1		94	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:43	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	7439-92-1	Lead		2.700	EDL	ug/g	Wet Wt	1		96	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:43	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	7440-48-4	Cobalt		0.570	EDL	ug/g	Wet Wt	1		91	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:43	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	7440-02-0	Nickel		0.250	EDL	ug/g	Wet Wt	1		98	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:43	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	8075-39-6	Manganese		0.070	EDL	ug/g	Wet Wt	1		98	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:43	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	7439-89-6	Iron		0.220	EDL	ug/g	Wet Wt	1		98	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:43	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	7440-47-3	Chromium		0.500	EDL	ug/g	Wet Wt	1		91	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:43	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	7429-90-5	Aluminum		2.500	EDL	ug/g	Wet Wt	1		98	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:43	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	7440-62-2	Vanadium		0.520	EDL	ug/g	Wet Wt	1		101	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:43	
Grazing	PAG99-13(B)	CR3	Check Standard	NA	Lab QC	CCV	7440-50-8	Copper		0.520	EDL	ug/g	Wet Wt	1		96	NA	ICP - TES	TESICP_10-05-99	1005PMIC	9/29/1999	10/5/1999	16:43	

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Grazing	PAG99-13(B)	SEH2	Check Standard	NA	Lab QC	CCV	7782-49-2	Selenium		0.020	EDL	ug/g	Wet Wt	1		103	NA	ICP, Hydride	VGICP_12-08-99	1208SEHA	12/2/1999	12/8/1999	9:47	
Grazing	PAG99-13(B)	Blank	Laboratory Blank	NA	Lab QC	Blank	7782-49-2	Selenium	-2.55	0.020	EDL	ug/g	Wet Wt	1			NA	ICP, Hydride	VGICP_12-08-99	1208SEHA	12/2/1999	12/8/1999	9:50	
Grazing	PAG99-13(B)	HRL	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.431	0.020	EDL	ug/g	Wet Wt	1	0.446	97	NA	ICP, Hydride	VGICP_12-08-99	1208SEHA	12/2/1999	12/8/1999	9:54	
Grazing	PAG99-13(B)	P9901661	P1-4B-G	NA	Grass Mix	Primary	7782-49-2	Selenium	0.188	0.020	EDL	ug/g	Wet Wt	1			8/17/1999	ICP, Hydride	VGICP_12-08-99	1208SEHA	12/2/1999	12/8/1999	9:57	
Grazing	PAG99-13(B)	P9901662	P1-5B-A	NA	Alfalfa	Primary	7782-49-2	Selenium	1.3	0.020	EDL	ug/g	Wet Wt	1			8/17/1999	ICP, Hydride	VGICP_12-08-99	1208SEHA	12/2/1999	12/8/1999	10:00	
Grazing	PAG99-13(B)	P9901663	P1-5B-G	NA	Grass Mix	Primary	7782-49-2	Selenium	0.131	0.020	EDL	ug/g	Wet Wt	1			8/17/1999	ICP, Hydride	VGICP_12-08-99	1208SEHA	12/2/1999	12/8/1999	10:03	
Grazing	PAG99-13(B)	P9901664	P2-1B-G	NA	Grass Mix	Primary	7782-49-2	Selenium	16.9	0.020	EDL	ug/g	Wet Wt	10			8/17/1999	ICP, Hydride	VGICP_12-08-99	1208SEHA	12/2/1999	12/8/1999	10:06	
Grazing	PAG99-13(B)	P9901665	P2-2B-4	NA	Alfalfa	Primary	7782-49-2	Selenium	8.41	0.020	EDL	ug/g	Wet Wt	10			8/17/1999	ICP, Hydride	VGICP_12-08-99	1208SEHA	12/2/1999	12/8/1999	10:09	
Grazing	PAG99-13(B)	P9901666	P2-2B-G	NA	Grass Mix	Primary	7782-49-2	Selenium	5.89	0.020	EDL	ug/g	Wet Wt	10			8/17/1999	ICP, Hydride	VGICP_12-08-99	1208SEHA	12/2/1999	12/8/1999	10:11	
Grazing	PAG99-13(B)	P9901667	P2-3B-A	NA	Alfalfa	Primary	7782-49-2	Selenium	12.7	0.020	EDL	ug/g	Wet Wt	10			8/17/1999	ICP, Hydride	VGICP_12-08-99	1208SEHA	12/2/1999	12/8/1999	10:18	
Grazing	PAG99-13(B)	P9901668	P2-3B-G	NA	Grass Mix	Primary	7782-49-2	Selenium	4.58	0.020	EDL	ug/g	Wet Wt	10			8/17/1999	ICP, Hydride	VGICP_12-08-99	1208SEHA	12/2/1999	12/8/1999	10:21	
Grazing	PAG99-13(B)	P9901669	P2-4B-A	NA	Alfalfa	Primary	7782-49-2	Selenium	43.2	0.020	EDL	ug/g	Wet Wt	10			8/17/1999	ICP, Hydride	VGICP_12-08-99	1208SEHA	12/2/1999	12/8/1999	10:24	
Grazing	PAG99-13(B)	TORT2	TORT-2	NA	Plant Tissue	SRM	7782-49-2	Selenium	5.87	0.020	EDL	ug/g	Wet Wt	1	5.63	104	NA	ICP, Hydride	VGICP_12-08-99	1208SEHA	12/2/1999	12/8/1999	10:28	
Grazing	PAG99-13(B)	P9901670	P2-4B-G	NA	Grass Mix	Primary	7782-49-2	Selenium	40.5	0.020	EDL	ug/g	Wet Wt	10			8/17/1999	ICP, Hydride	VGICP_12-08-99	1208SEHA	12/2/1999	12/8/1999	10:31	
Grazing	PAG99-13(B)	P9901671	P2-5B-A	NA	Alfalfa	Primary	7782-49-2	Selenium	24.1	0.020	EDL	ug/g	Wet Wt	10			8/17/1999	ICP, Hydride	VGICP_12-08-99	1208SEHA	12/2/1999	12/8/1999	10:34	
Grazing	PAG99-13(B)	P9901671D	P2-5B-A	NA	Alfalfa	FD	7782-49-2	Selenium	26	0.020	EDL	ug/g	Wet Wt	10			8/17/1999	ICP, Hydride	VGICP_12-08-99	1208SEHA	12/2/1999	12/8/1999	10:37	
Grazing	PAG99-13(B)	P9901672	P2-5B-G	NA	Grass Mix	Primary	7782-49-2	Selenium	17.6	0.020	EDL	ug/g	Wet Wt	10			8/17/1999	ICP, Hydride	VGICP_12-08-99	1208SEHA	12/2/1999	12/8/1999	10:40	
Grazing	PAG99-13(B)	P9901673	P3-1B-A	NA	Alfalfa	Primary	7782-49-2	Selenium	34	0.020	EDL	ug/g	Wet Wt	10			8/17/1999	ICP, Hydride	VGICP_12-08-99	1208SEHA	12/2/1999	12/8/1999	10:43	
Grazing	PAG99-13(B)	P9901674	P3-1B-G	NA	Grass Mix	Primary	7782-49-2	Selenium	4.06	0.020	EDL	ug/g	Wet Wt	10			8/17/1999	ICP, Hydride	VGICP_12-08-99	1208SEHA	12/2/1999	12/8/1999	10:46	
Grazing	PAG99-13(B)	P9901675	P3-2B-4	NA	Alfalfa	Primary	7782-49-2	Selenium	6.04	0.020	EDL	ug/g	Wet Wt	10			8/17/1999	ICP, Hydride	VGICP_12-08-99	1208SEHA	12/2/1999	12/8/1999	10:48	
Grazing	PAG99-13(B)	P9901676	P3-2B-G	NA	Grass Mix	Primary	7782-49-2	Selenium	2.9	0.020	EDL	ug/g	Wet Wt	10			8/17/1999	ICP, Hydride	VGICP_12-08-99	1208SEHA	12/2/1999	12/8/1999	10:51	
Grazing	PAG99-13(B)	P9901677	P3-3B-A	NA	Alfalfa	Primary	7782-49-2	Selenium	36.6	0.020	EDL	ug/g	Wet Wt	10			8/17/1999	ICP, Hydride	VGICP_12-08-99	1208SEHA	12/2/1999	12/8/1999	10:54	
Grazing	PAG99-13(B)	P9901678	P3-3B-G	NA	Grass Mix	Primary	7782-49-2	Selenium	7.93	0.020	EDL	ug/g	Wet Wt	10			8/17/1999	ICP, Hydride	VGICP_12-08-99	1208SEHA	12/2/1999	12/8/1999	10:57	
Grazing	PAG99-13(B)	P9901679	P3-4B-A	NA	Alfalfa	Primary	7782-49-2	Selenium	15.7	0.020	EDL	ug/g	Wet Wt	10			8/17/1999	ICP, Hydride	VGICP_12-08-99	1208SEHA	12/2/1999	12/8/1999	11:00	
Grazing	PAG99-13(B)	P9901680	P3-4B-G	NA	Grass Mix	Primary	7782-49-2	Selenium	6.26	0.020	EDL	ug/g	Wet Wt	10			8/17/1999	ICP, Hydride	VGICP_12-08-99	1208SEHA	12/2/1999	12/8/1999	11:03	
Grazing	PAG99-13(B)	P9901681	P3-5B-A	NA	Alfalfa	Primary	7782-49-2	Selenium	36.5	0.020	EDL	ug/g	Wet Wt	10			8/17/1999	ICP, Hydride	VGICP_12-08-99	1208SEHA	12/2/1999	12/8/1999	11:06	
Grazing	PAG99-13(B)	P9901682	P3-5B-G	NA	Grass Mix	Primary	7782-49-2	Selenium	7.61	0.020	EDL	ug/g	Wet Wt	10			8/17/1999	ICP, Hydride	VGICP_12-08-99	1208SEHA	12/2/1999	12/8/1999	11:08	
Grazing	PAG99-13(B)	P9901683	NH1A	NA	Alfalfa	Primary	7782-49-2	Selenium	35.2	0.020	EDL	ug/g	Wet Wt	10			8/17/1999	ICP, Hydride	VGICP_12-08-99	1208SEHA	12/2/1999	12/8/1999	11:11	
Grazing	PAG99-13(B)	P9901683D	NH1A	NA	Alfalfa	FD	7782-49-2	Selenium	42.2	0.020	EDL	ug/g	Wet Wt	10			8/17/1999	ICP, Hydride	VGICP_12-08-99	1208SEHA	12/2/1999	12/8/1999	11:14	
Grazing	PAG99-13(B)	HRL2	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.482	0.020	EDL	ug/g	Wet Wt	1	0.446	108	NA	ICP, Hydride	VGICP_12-08-99	1208SEHA	12/2/1999	12/8/1999	11:17	
Grazing	PAG99-13(D)	HRL	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.485	0.005	EDL	ug/g	Wet Wt	1	0.446	109	NA	ICP, Hydride	VGICP_12-08-99	1208SEHA	12/3/1999	12/8/1999	12:47	
Grazing	PAG99-13(D)	P9901684	NH1G	NA	Grass Mix	Primary	7782-49-2	Selenium	0.611	0.020	EDL	ug/g	Wet Wt	1			8/17/1999	ICP, Hydride	VGICP_12-08-99	1208SEHA	12/3/1999	12/8/1999	12:50	
Grazing	PAG99-13(D)	P9901685	NH2A	NA	Alfalfa	Primary	7782-49-2	Selenium	4.47	0.020	EDL	ug/g	Wet Wt	1			8/17/1999	ICP, Hydride	VGICP_12-08-99	1208SEHA	12/3/1999	12/8/1999	12:53	
Grazing	PAG99-13(D)	P9901686	NH2G	NA	Grass Mix	Primary	7782-49-2	Selenium	0.553	0.020	EDL	ug/g	Wet Wt	1			8/17/1999	ICP, Hydride	VGICP_12-08-99	1208SEHA	12/3/1999	12/8/1999	12:56	
Grazing	PAG99-13(D)	P9901687	NH3A	NA	Alfalfa	Primary	7782-49-2	Selenium	1.82	0.020	EDL	ug/g	Wet Wt	1			8/17/1999	ICP, Hydride	VGICP_12-08-99	1208SEHA	12/3/1999	12/8/1999	12:59	
Grazing	PAG99-13(D)	P9901688	NH3G	NA	Grass Mix	Primary	7782-49-2	Selenium	0.747	0.020	EDL	ug/g	Wet Wt	1			8/17/1999	ICP, Hydride	VGICP_12-08-99	1208SEHA	12/3/1999	12/8/1999	13:05	
Grazing	PAG99-13(D)	P9901689	NH4A	NA	Alfalfa	Primary	7782-49-2	Selenium	44.3	0.020	EDL	ug/g	Wet Wt	1			8/17/1999	ICP, Hydride	VGICP_12-08-99	1208SEHA	12/3/1999	12/8/1999	13:08	
Grazing	PAG99-13(D)	P9901690	NH4G	NA	Grass Mix	Primary	7782-49-2	Selenium	7.54	0.020	EDL	ug/g	Wet Wt	1			8/17/1999	ICP, Hydride	VGICP_12-08-99	1208SEHA	12/3/1999	12/8/1999	13:11	
Grazing	PAG99-13(D)	P9901691	NH5A	NA	Alfalfa	Primary	7782-49-2	Selenium	31.4	0.020	EDL	ug/g	Wet Wt	1			8/17/1999	ICP, Hydride	VGICP_12-08-99	1208SEHA	12/3/1999	12/8/1999	13:13	
Grazing	PAG99-13(D)	P9901692	NH5G	NA	Grass Mix	Primary	7782-49-2	Selenium	16.6	0.020	EDL	ug/g	Wet Wt	1			8/17/1999	ICP, Hydride	VGICP_12-08-99	1208SEHA	12/3/1999	12/8/1999	13:16	
Grazing	PAG99-13(D)	HRL	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.596	0.005	EDL	ug/g	Wet Wt	1	0.446	134	NA	ICP, Hydride	VGICP_12-08-99	1208SEHA	12/3/1999	12/8/1999	13:19	
Grazing	VJN99-113	HRL	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.458	0.005	EDL	ug/g	Wet Wt	1	0.446	103	NA	ICP, Hydride	VGICP_07-13-99	0713SEH	7/9/1999	7/13/1999	Not available	INK
Grazing	VJN99-113	V9902572	7	Steer 07	Serum	Primary	7782-49-2	Selenium	0.042	0.005	EDL	ug/g	Wet Wt	1			6/30/1999	ICP, Hydride	VGICP_07-13-99	0713SEH	7/9/1999	7/13/1999	Not available	INK
Grazing	VJN99-113	V9902573	8	Steer 08	Serum	Primary	7782-49-2	Selenium	0.04	0.005	EDL	ug/g	Wet Wt	1			6/30/1999	ICP, Hydride	VGICP_07-13-99	0713SEH	7/9/1999	7/13/1999	Not available	INK
Grazing	VJN99-113	V9902574	9	Steer 09	Serum	Primary	7782-49-2	Selenium	0.032	0.005	EDL	ug/g	Wet Wt	1			6/30/1999	ICP, Hydride	VGICP_07-13-99	0713SEH	7/9/1999	7/13/1999	Not available	INK
Grazing	VJN99-113	V9902575	10	Steer 10	Serum	Primary	7782-49-2	Selenium	0.038	0.005	EDL	ug/g	Wet Wt	1			6/30/1999	ICP, Hydride	VGICP_07-13-99	0713SEH	7/9/1999	7/13/1999	Not available	INK
Grazing	VJN99-113	V9902576	11	Steer 11	Serum	Primary	7782-49-2	Selenium	0.034	0.005	EDL	ug/g	Wet Wt	1			6/30/1999	ICP, Hydride	VGICP_07-13-99	0713SEH	7/9/1999	7/13/1999	Not available	INK
Grazing	VJN99-113	V9902577	12	Steer 12	Serum	Primary	7782-49-2	Selenium	0.035	0.005	EDL	ug/g	Wet Wt	1			6/30/1999	ICP, Hydride	VGICP_07-13-99	0713SEH	7/9/1999	7/13/1999	Not available	INK
Grazing	VJN99-113	V9902578	13	Steer 13	Serum	Primary	7782-49-2	Selenium	0.031	0.005	EDL	ug/g	Wet Wt	1			6/30/1999	ICP, Hydride	VGICP_07-13-99	0713SEH	7/9/1999	7/13/1999	Not available	INK
Grazing	VJN99-113	V9902579	14	Steer 14	Serum	Primary	7782-49-2	Selenium	0.035	0.005	EDL	ug/g	Wet Wt	1			6/30/1999	ICP, Hydride	VGICP_07-13-99	0713SEH	7/9/1999	7/13/1999	Not available	INK
Grazing	VJN99-113	V9902580	15	Steer 15	Serum	Primary	7782-49-2	Selenium	0.036	0.005	EDL	ug/g	Wet Wt	1			6/30/1999	ICP, Hydride	VGICP_07-13-99	0713SEH	7/9/1999	7/13/1999	Not available	INK
Grazing	VJN99-113	HRL1A	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.45	0.005	EDL	ug/g	Wet Wt	1	0.446	101	NA	ICP, Hydride	VGICP_07-13-99	0713SEH	7/9/1999	7/13/1999	Not available	INK
Grazing	VJN99-113	SEH2	Check Standard	NA	Lab QC	CCV	7782-49-2	Selenium		0.005	EDL	ug/g	Wet Wt	1		102	NA	ICP, Hydride	VGICP_07-19-99	0719SEH	7/12/1999	7/19/1999	11:09	
Grazing	VJN99-113	HRL	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.568	0.005	EDL	ug/g	Wet Wt	1	0.446	127	NA	ICP, Hydride	VGICP_07-19-99	0719SEH	7/12/1999	7/19/1999	11:12	
Grazing	VJN99-113	V9902567	2	Steer 02	Serum	Primary	7782-49-2	Selenium	0.0268	0.005	EDL	ug/g	Wet Wt	1			6/30/1999	ICP, Hydride	VGICP_07-19-99	0719SEH	7/12/1999	7/19/1999	11:28	
Grazing	VJN99-113	V9902568	3	Steer 03	Serum	Primary	7782-49-2	Selenium	0.033	0.005	EDL	ug/g	Wet Wt	1			6/30/1999	ICP, Hydride	VGICP_07-19-99	0719SEH	7/12/1999	7/19/1999	11:30	
Grazing	VJN99-113	V9902569	4	Steer 04	Serum	Primary	7782-49-2	Selenium	0.0187	0.005	EDL	ug/g	Wet Wt	1			6/30/1999	ICP, Hydride	VGICP_07-19-99	0719SEH	7/12/1999	7/19/1999	11:33	
Grazing	VJN99-113	V9902570	5	Steer 05	Serum	Primary	7782-49-2	Selenium	0.0318	0.005	EDL	ug/g	Wet Wt	1			6/30/1999	ICP, Hydride	VGICP_07-19-99	0719SEH	7/12/1999	7/19/1999	11:36	

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Grazing	VJN99-113	V9902571	6	Steer 06	Serum	Primary	7782-49-2	Selenium	0.0215	0.005	EDL	ug/g	Wet Wt	1			6/30/1999	ICP, Hydride	VGICP_07-19-99	0719SEH	7/12/1999	7/19/1999	11:39	
Grazing	VJN99-113	HRL1	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.51	0.005	EDL	ug/g	Wet Wt	1	0.446	114	NA	ICP, Hydride	VGICP_07-19-99	0719SEH	7/12/1999	7/19/1999	11:43	
Grazing	VJN99-113	V9902551	1	Steer 01	Blood	Primary	7782-49-2	Selenium	0.0752	0.005	EDL	ug/g	Wet Wt	1			6/30/1999	ICP, Hydride	VGICP_07-19-99	0719SEH	7/12/1999	7/19/1999	11:47	
Grazing	VJN99-113	V9902552	2	Steer 02	Blood	Primary	7782-49-2	Selenium	0.101	0.005	EDL	ug/g	Wet Wt	1			6/30/1999	ICP, Hydride	VGICP_07-19-99	0719SEH	7/12/1999	7/19/1999	11:51	
Grazing	VJN99-113	V9902553	3	Steer 03	Blood	Primary	7782-49-2	Selenium	0.109	0.005	EDL	ug/g	Wet Wt	1			6/30/1999	ICP, Hydride	VGICP_07-19-99	0719SEH	7/12/1999	7/19/1999	11:54	
Grazing	VJN99-113	V9902554	4	Steer 04	Blood	Primary	7782-49-2	Selenium	0.0688	0.005	EDL	ug/g	Wet Wt	1			6/30/1999	ICP, Hydride	VGICP_07-19-99	0719SEH	7/12/1999	7/19/1999	11:56	
Grazing	VJN99-113	V9902555	5	Steer 05	Blood	Primary	7782-49-2	Selenium	0.111	0.005	EDL	ug/g	Wet Wt	1			6/30/1999	ICP, Hydride	VGICP_07-19-99	0719SEH	7/12/1999	7/19/1999	11:59	
Grazing	VJN99-113	V9902556	6	Steer 06	Blood	Primary	7782-49-2	Selenium	0.059	0.005	EDL	ug/g	Wet Wt	1			6/30/1999	ICP, Hydride	VGICP_07-19-99	0719SEH	7/12/1999	7/19/1999	12:02	
Grazing	VJN99-113	V9902557	7	Steer 07	Blood	Primary	7782-49-2	Selenium	0.135	0.005	EDL	ug/g	Wet Wt	1			6/30/1999	ICP, Hydride	VGICP_07-19-99	0719SEH	7/12/1999	7/19/1999	12:05	
Grazing	VJN99-113	V9902558	8	Steer 08	Blood	Primary	7782-49-2	Selenium	0.133	0.005	EDL	ug/g	Wet Wt	1			6/30/1999	ICP, Hydride	VGICP_07-19-99	0719SEH	7/12/1999	7/19/1999	12:08	
Grazing	VJN99-113	V9902559	9	Steer 09	Blood	Primary	7782-49-2	Selenium	0.112	0.005	EDL	ug/g	Wet Wt	1			6/30/1999	ICP, Hydride	VGICP_07-19-99	0719SEH	7/12/1999	7/19/1999	12:11	
Grazing	VJN99-113	V9902560	10	Steer 10	Blood	Primary	7782-49-2	Selenium	0.0942	0.005	EDL	ug/g	Wet Wt	1			6/30/1999	ICP, Hydride	VGICP_07-19-99	0719SEH	7/12/1999	7/19/1999	12:14	
Grazing	VJN99-113	V9902561	11	Steer 11	Blood	Primary	7782-49-2	Selenium	0.101	0.005	EDL	ug/g	Wet Wt	1			6/30/1999	ICP, Hydride	VGICP_07-19-99	0719SEH	7/12/1999	7/19/1999	12:17	
Grazing	VJN99-113	V9902562	12	Steer 12	Blood	Primary	7782-49-2	Selenium	0.146	0.005	EDL	ug/g	Wet Wt	1			6/30/1999	ICP, Hydride	VGICP_07-19-99	0719SEH	7/12/1999	7/19/1999	12:20	
Grazing	VJN99-113	V9902563	13	Steer 13	Blood	Primary	7782-49-2	Selenium	0.0925	0.005	EDL	ug/g	Wet Wt	1			6/30/1999	ICP, Hydride	VGICP_07-19-99	0719SEH	7/12/1999	7/19/1999	12:22	
Grazing	VJN99-113	V9902564	14	Steer 14	Blood	Primary	7782-49-2	Selenium	0.13	0.005	EDL	ug/g	Wet Wt	1			6/30/1999	ICP, Hydride	VGICP_07-19-99	0719SEH	7/12/1999	7/19/1999	12:25	
Grazing	VJN99-113	V9902565	15	Steer 15	Blood	Primary	7782-49-2	Selenium	0.131	0.005	EDL	ug/g	Wet Wt	1			6/30/1999	ICP, Hydride	VGICP_07-19-99	0719SEH	7/12/1999	7/19/1999	12:28	
Grazing	VJN99-113	HRL2	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.506	0.005	EDL	ug/g	Wet Wt	1	0.446	113	NA	ICP, Hydride	VGICP_07-19-99	0719SEH	7/12/1999	7/19/1999	12:31	
Grazing	VJN99-113	Blank	Laboratory Blank	NA	Lab QC	Blank	7782-49-2	Selenium	-1.13	0.005	EDL	ug/g	Wet Wt	1			NA	ICP, Hydride	VGICP_07-19-99	0719SEH	7/12/1999	7/19/1999	12:34	
Grazing	VJN99-113	SEH1	Check Standard	NA	Lab QC	CCV	7782-49-2	Selenium		0.005	EDL	ug/g	Wet Wt	1		92	NA	ICP, Hydride	VGICP_07-19-99	0719SEH	7/12/1999	7/19/1999	12:36	
Grazing	VJN99-113	SEH2	Check Standard	NA	Lab QC	CCV	7782-49-2	Selenium		0.005	EDL	ug/g	Wet Wt	1		97	NA	ICP, Hydride	VGICP_07-19-99	0719SEH	7/12/1999	7/19/1999	12:39	
Grazing	VJN99-113	V9902566	1	Steer 01	Serum	Primary	7782-49-2	Selenium	QNS	0.005	EDL	ug/g	Wet Wt	1			6/30/1999	ICP, Hydride	Not available	Not available	Not available	Not available	Not available	
Grazing	VJN99-113	APG 7878-1	APG 7878	NA	Lab QC	CCV	7439-98-7	Molybdenum	0.0645	0.007	EDL	ug/g	Wet Wt	1	0.0872	74	NA	Graphite Furnace	GF_08-05-99	080499MO	7/28/1999	8/4/1999	12:15	IRD
Grazing	VJN99-113	V9902551	1	Steer 01	Plasma	Primary	7439-98-7	Molybdenum	0.15	0.007	EDL	ug/g	Wet Wt	1			6/30/1999	Graphite Furnace	GF_08-05-99	080499MO	7/28/1999	8/4/1999	12:18	IRD
Grazing	VJN99-113	V9902552	2	Steer 02	Plasma	Primary	7439-98-7	Molybdenum	0.2	0.007	EDL	ug/g	Wet Wt	1			6/30/1999	Graphite Furnace	GF_08-05-99	080499MO	7/28/1999	8/4/1999	12:21	IRD
Grazing	VJN99-113	V9902553	3	Steer 03	Plasma	Primary	7439-98-7	Molybdenum	0.16	0.007	EDL	ug/g	Wet Wt	1			6/30/1999	Graphite Furnace	GF_08-05-99	080499MO	7/28/1999	8/4/1999	12:24	IRD
Grazing	VJN99-113	V9902554	4	Steer 04	Plasma	Primary	7439-98-7	Molybdenum	0.1	0.007	EDL	ug/g	Wet Wt	1			6/30/1999	Graphite Furnace	GF_08-05-99	080499MO	7/28/1999	8/4/1999	12:28	IRD
Grazing	VJN99-113	V9902555	5	Steer 05	Plasma	Primary	7439-98-7	Molybdenum	0.24	0.007	EDL	ug/g	Wet Wt	1			6/30/1999	Graphite Furnace	GF_08-05-99	080499MO	7/28/1999	8/4/1999	12:31	IRD
Grazing	VJN99-113	V9902556	6	Steer 06	Plasma	Primary	7439-98-7	Molybdenum	0.37	0.007	EDL	ug/g	Wet Wt	1			6/30/1999	Graphite Furnace	GF_08-05-99	080499MO	7/28/1999	8/4/1999	12:34	IRD
Grazing	VJN99-113	APG 7878-2	APG 7878	NA	Lab QC	CCV	7439-98-7	Molybdenum	0.0811	0.007	EDL	ug/g	Wet Wt	1	0.0872	93	NA	Graphite Furnace	GF_08-05-99	080499MO	7/28/1999	8/4/1999	12:37	IRD
Grazing	VJN99-113	V9902557	7	Steer 07	Plasma	Primary	7439-98-7	Molybdenum	0.18	0.007	EDL	ug/g	Wet Wt	1			6/30/1999	Graphite Furnace	GF_08-05-99	080499MO	7/28/1999	8/4/1999	12:40	IRD
Grazing	VJN99-113	V9902558	8	Steer 08	Plasma	Primary	7439-98-7	Molybdenum	0.233	0.007	EDL	ug/g	Wet Wt	1			6/30/1999	Graphite Furnace	GF_08-05-99	080499MO	7/28/1999	8/4/1999	12:43	IRD
Grazing	VJN99-113	V9902558D	8	Steer 08	Plasma	FD	7439-98-7	Molybdenum	0.251	0.007	EDL	ug/g	Wet Wt	1			6/30/1999	Graphite Furnace	GF_08-05-99	080499MO	7/28/1999	8/4/1999	12:47	IRD
Grazing	VJN99-113	V9902559	9	Steer 09	Plasma	Primary	7439-98-7	Molybdenum	0.17	0.007	EDL	ug/g	Wet Wt	1			6/30/1999	Graphite Furnace	GF_08-05-99	080499MO	7/28/1999	8/4/1999	12:50	IRD
Grazing	VJN99-113	V9902560	10	Steer 10	Plasma	Primary	7439-98-7	Molybdenum	0.32	0.007	EDL	ug/g	Wet Wt	1			6/30/1999	Graphite Furnace	GF_08-05-99	080499MO	7/28/1999	8/4/1999	12:53	IRD
Grazing	VJN99-113	V9902561	11	Steer 11	Plasma	Primary	7439-98-7	Molybdenum	0.4	0.007	EDL	ug/g	Wet Wt	1			6/30/1999	Graphite Furnace	GF_08-05-99	080499MO	7/28/1999	8/4/1999	12:57	IRD
Grazing	VJN99-113	V9902562	12	Steer 12	Plasma	Primary	7439-98-7	Molybdenum	0.28	0.007	EDL	ug/g	Wet Wt	1			6/30/1999	Graphite Furnace	GF_08-05-99	080499MO	7/28/1999	8/4/1999	13:00	IRD
Grazing	VJN99-113	V9902563	13	Steer 13	Plasma	Primary	7439-98-7	Molybdenum	0.13	0.007	EDL	ug/g	Wet Wt	1			6/30/1999	Graphite Furnace	GF_08-05-99	080499MO	7/28/1999	8/4/1999	13:03	IRD
Grazing	VJN99-113	V9902564	14	Steer 14	Plasma	Primary	7439-98-7	Molybdenum	0.14	0.007	EDL	ug/g	Wet Wt	1			6/30/1999	Graphite Furnace	GF_08-05-99	080499MO	7/28/1999	8/4/1999	13:07	IRD
Grazing	VJN99-113	V9902565	15	Steer 15	Plasma	Primary	7439-98-7	Molybdenum	0.43	0.007	EDL	ug/g	Wet Wt	1			6/30/1999	Graphite Furnace	GF_08-05-99	080499MO	7/28/1999	8/4/1999	13:10	IRD
Grazing	VJN99-113	APG 7878-3	APG 7878	NA	Lab QC	CCV	7439-98-7	Molybdenum	0.0925	0.007	EDL	ug/g	Wet Wt	1	0.0872	106	NA	Graphite Furnace	GF_08-05-99	080499MO	7/28/1999	8/4/1999	13:13	IRD
Grazing	VJN99-113	7140	Sigma S-7140	NA	Lab QC	CCV	9029-97-4	Zinc	1.26	0.080	EDL	ug/g	Wet Wt	1	1.3	97	NA	ICP - TES	TESICP_07-07-99	0707TES2	7/2/1999	7/7/1999	11:20	
Grazing	VJN99-113	7140	Sigma S-7140	NA	Lab QC	CCV	7803-51-2	Phosphorus	74.8	2.000	EDL	ug/g	Wet Wt	1	83.8	89	NA	ICP - TES	TESICP_07-07-99	0707TES2	7/2/1999	7/7/1999	11:20	
Grazing	VJN99-113	7140	Sigma S-7140	NA	Lab QC	CCV	8053-60-9	Iron	1.55	0.220	EDL	ug/g	Wet Wt	1	1.7	91	NA	ICP - TES	TESICP_07-07-99	0707TES2	7/2/1999	7/7/1999	11:20	
Grazing	VJN99-113	7140	Sigma S-7140	NA	Lab QC	CCV	7439-95-4	Magnesium	22	0.040	EDL	ug/g	Wet Wt	1	24.6	89	NA	ICP - TES	TESICP_07-07-99	0707TES2	7/2/1999	7/7/1999	11:20	
Grazing	VJN99-113	7140	Sigma S-7140	NA	Lab QC	CCV	7440-50-8	Copper	1.18	0.700	EDL	ug/g	Wet Wt	1	1.33	89	NA	ICP - TES	TESICP_07-07-99	0707TES2	7/2/1999	7/7/1999	11:20	
Grazing	VJN99-113	7140	Sigma S-7140	NA	Lab QC	CCV	8047-59-4	Calcium	104	0.070	EDL	ug/g	Wet Wt	1	109	95	NA	ICP - TES	TESICP_07-07-99	0701TES2	7/2/1999	7/7/1999	11:20	
Grazing	VJN99-113	V9902566	1	Steer 01	Serum	Primary	9029-97-4	Zinc	1.69	0.080	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-07-99	0707TES2	7/2/1999	7/7/1999	11:23	
Grazing	VJN99-113	V9902566	1	Steer 01	Serum	Primary	7803-51-2	Phosphorus	103	2.000	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-07-99	0707TES2	7/2/1999	7/7/1999	11:23	
Grazing	VJN99-113	V9902566	1	Steer 01	Serum	Primary	8053-60-9	Iron	2.35	0.220	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-07-99	0707TES2	7/2/1999	7/7/1999	11:23	
Grazing	VJN99-113	V9902566	1	Steer 01	Serum	Primary	7439-95-4	Magnesium	22.9	0.040	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-07-99	0707TES2	7/2/1999	7/7/1999	11:23	
Grazing	VJN99-113	V9902566	1	Steer 01	Serum	Primary	7440-50-8	Copper	0.942	0.700	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-07-99	0707TES2	7/2/1999	7/7/1999	11:23	
Grazing	VJN99-113	V9902566	1	Steer 01	Serum	Primary	8047-59-4	Calcium	112	0.070	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-07-99	0707TES2	7/2/1999	7/7/1999	11:23	
Grazing	VJN99-113	7140-1	Sigma S-7140	NA	Lab QC	CCV	9029-97-4	Zinc	1.26	0.080	EDL	ug/g	Wet Wt	1	1.3	97	NA	ICP - TES	TESICP_07-07-99	0707TES2	7/2/1999	7/7/1999	11:58	
Grazing	VJN99-113	7140-1	Sigma S-7140	NA	Lab QC	CCV	7803-51-2	Phosphorus	72.2	2.000	EDL	ug/g	Wet Wt	1	83.8	86	NA	ICP - TES	TESICP_07-07-99	0707TES2	7/2/1999	7/7/1999	11:58	
Grazing	VJN99-113	7140-1	Sigma S-7140	NA	Lab QC	CCV	8053-60-9	Iron	2.49	0.220	EDL	ug/g	Wet Wt	1	1.7	146	NA	ICP - TES	TESICP_07-07-99	0707TES2	7/2/1999	7/7/1999	11:58	
Grazing	VJN99-113	7140-1	Sigma S-7140	NA	Lab QC	CCV	7439-95-4	Magnesium	21.4	0.040	EDL	ug/g	Wet Wt	1	24.6	87	NA	ICP - TES	TESICP_07-07-99	0707TES2	7/2/1999	7/7/1999	11:58	
Grazing	VJN99-113	7140-1	Sigma S-7140	NA	Lab QC	CCV	7440-50-8	Copper	1.18	0.700	EDL	ug/g	Wet Wt	1	1.33	89	NA	ICP - TES	TESICP_07-07-99	0707TES2	7/2/1999	7/7/1999	11:58	

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Grazing	VJN99-113	7140-1	Sigma S-7140	NA	Lab QC	CCV	8047-59-4	Calcium	105	0.070	EDL	ug/g	Wet Wt	1	109	96	NA	ICP - TES	TESICP_07-07-99	0707TES2	7/2/1999	7/7/1999	11:58	
Grazing	VJN99-113	7140	Sigma S-7140	NA	Lab QC	CCV	9029-97-4	Zinc	1.22	0.080	EDL	ug/g	Wet Wt	1	1.3	94	NA	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	12:47	
Grazing	VJN99-113	7140	Sigma S-7140	NA	Lab QC	CCV	7803-51-2	Phosphorus	73.8	2.000	EDL	ug/g	Wet Wt	1	83.8	88	NA	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	12:47	
Grazing	VJN99-113	7140	Sigma S-7140	NA	Lab QC	CCV	8053-60-9	Iron	1.5	0.220	EDL	ug/g	Wet Wt	1	1.7	88	NA	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	12:47	
Grazing	VJN99-113	7140	Sigma S-7140	NA	Lab QC	CCV	7439-95-4	Magnesium	24.2	0.040	EDL	ug/g	Wet Wt	1	24.6	98	NA	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	12:47	
Grazing	VJN99-113	7140	Sigma S-7140	NA	Lab QC	CCV	7440-50-8	Copper	1.26	0.700	EDL	ug/g	Wet Wt	1	1.33	95	NA	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	12:47	
Grazing	VJN99-113	7140	Sigma S-7140	NA	Lab QC	CCV	8047-59-4	Calcium	109	0.070	EDL	ug/g	Wet Wt	1	109	100	NA	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	12:47	
Grazing	VJN99-113	V9902567	2	Steer 02	Serum	Primary	9029-97-4	Zinc	1.04	0.080	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	12:53	
Grazing	VJN99-113	V9902567	2	Steer 02	Serum	Primary	7803-51-2	Phosphorus	103	2.000	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	12:53	
Grazing	VJN99-113	V9902567	2	Steer 02	Serum	Primary	8053-60-9	Iron	2.4	0.220	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	12:53	
Grazing	VJN99-113	V9902567	2	Steer 02	Serum	Primary	7439-95-4	Magnesium	23.2	0.040	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	12:53	
Grazing	VJN99-113	V9902567	2	Steer 02	Serum	Primary	7440-50-8	Copper	0.59	0.700	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	12:53	
Grazing	VJN99-113	V9902567	2	Steer 02	Serum	Primary	8047-59-4	Calcium	118	0.070	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	12:53	
Grazing	VJN99-113	V9902568	3	Steer 03	Serum	Primary	9029-97-4	Zinc	1.02	0.080	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	12:56	
Grazing	VJN99-113	V9902568	3	Steer 03	Serum	Primary	7803-51-2	Phosphorus	80.5	2.000	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	12:56	
Grazing	VJN99-113	V9902568	3	Steer 03	Serum	Primary	8053-60-9	Iron	2.18	0.220	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	12:56	
Grazing	VJN99-113	V9902568	3	Steer 03	Serum	Primary	7439-95-4	Magnesium	22.3	0.040	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	12:56	
Grazing	VJN99-113	V9902568	3	Steer 03	Serum	Primary	7440-50-8	Copper	0.687	0.700	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	12:56	
Grazing	VJN99-113	V9902568	3	Steer 03	Serum	Primary	8047-59-4	Calcium	111	0.070	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	12:56	
Grazing	VJN99-113	V9902569	4	Steer 04	Serum	Primary	9029-97-4	Zinc	1.04	0.080	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	12:59	
Grazing	VJN99-113	V9902569	4	Steer 04	Serum	Primary	7803-51-2	Phosphorus	91.4	2.000	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	12:59	
Grazing	VJN99-113	V9902569	4	Steer 04	Serum	Primary	8053-60-9	Iron	2.28	0.220	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	12:59	
Grazing	VJN99-113	V9902569	4	Steer 04	Serum	Primary	7439-95-4	Magnesium	23.5	0.040	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	12:59	
Grazing	VJN99-113	V9902569	4	Steer 04	Serum	Primary	7440-50-8	Copper	0.707	0.700	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	12:59	
Grazing	VJN99-113	V9902569	4	Steer 04	Serum	Primary	8047-59-4	Calcium	122	0.070	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	12:59	
Grazing	VJN99-113	V9902570	5	Steer 05	Serum	Primary	9029-97-4	Zinc	0.966	0.080	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	13:02	
Grazing	VJN99-113	V9902570	5	Steer 05	Serum	Primary	7803-51-2	Phosphorus	67	2.000	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	13:02	
Grazing	VJN99-113	V9902570	5	Steer 05	Serum	Primary	8053-60-9	Iron	1.44	0.220	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	13:02	
Grazing	VJN99-113	V9902570	5	Steer 05	Serum	Primary	7439-95-4	Magnesium	24.6	0.040	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	13:02	
Grazing	VJN99-113	V9902570	5	Steer 05	Serum	Primary	7440-50-8	Copper	0.998	0.700	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	13:02	
Grazing	VJN99-113	V9902570	5	Steer 05	Serum	Primary	8047-59-4	Calcium	121	0.070	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	13:02	
Grazing	VJN99-113	V9902571	6	Steer 06	Serum	Primary	9029-97-4	Zinc	0.883	0.080	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	13:05	
Grazing	VJN99-113	V9902571	6	Steer 06	Serum	Primary	7803-51-2	Phosphorus	63.3	2.000	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	13:05	
Grazing	VJN99-113	V9902571	6	Steer 06	Serum	Primary	8053-60-9	Iron	2.2	0.220	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	13:05	
Grazing	VJN99-113	V9902571	6	Steer 06	Serum	Primary	7439-95-4	Magnesium	23.6	0.040	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	13:05	
Grazing	VJN99-113	V9902571	6	Steer 06	Serum	Primary	7440-50-8	Copper	0.793	0.700	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	13:05	
Grazing	VJN99-113	V9902571	6	Steer 06	Serum	Primary	8047-59-4	Calcium	113	0.070	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	13:05	
Grazing	VJN99-113	V9902572	7	Steer 07	Serum	Primary	9029-97-4	Zinc	0.93	0.080	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	13:08	
Grazing	VJN99-113	V9902572	7	Steer 07	Serum	Primary	7803-51-2	Phosphorus	82.8	2.000	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	13:08	
Grazing	VJN99-113	V9902572	7	Steer 07	Serum	Primary	8053-60-9	Iron	1.45	0.220	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	13:08	
Grazing	VJN99-113	V9902572	7	Steer 07	Serum	Primary	7439-95-4	Magnesium	24.3	0.040	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	13:08	
Grazing	VJN99-113	V9902572	7	Steer 07	Serum	Primary	7440-50-8	Copper	0.7	0.700	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	13:08	
Grazing	VJN99-113	V9902572	7	Steer 07	Serum	Primary	8047-59-4	Calcium	114	0.070	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	13:08	
Grazing	VJN99-113	V9902573	8	Steer 08	Serum	Primary	9029-97-4	Zinc	1.1	0.080	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	13:11	
Grazing	VJN99-113	V9902573	8	Steer 08	Serum	Primary	7803-51-2	Phosphorus	74	2.000	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	13:11	
Grazing	VJN99-113	V9902573	8	Steer 08	Serum	Primary	8053-60-9	Iron	1.62	0.220	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	13:11	
Grazing	VJN99-113	V9902573	8	Steer 08	Serum	Primary	7439-95-4	Magnesium	25.5	0.040	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	13:11	
Grazing	VJN99-113	V9902573	8	Steer 08	Serum	Primary	7440-50-8	Copper	0.674	0.700	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	13:11	
Grazing	VJN99-113	V9902573	8	Steer 08	Serum	Primary	8047-59-4	Calcium	123	0.070	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	13:11	
Grazing	VJN99-113	V9902574	9	Steer 09	Serum	Primary	9029-97-4	Zinc	0.981	0.080	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	13:14	
Grazing	VJN99-113	V9902574	9	Steer 09	Serum	Primary	7803-51-2	Phosphorus	93.3	2.000	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	13:14	
Grazing	VJN99-113	V9902574	9	Steer 09	Serum	Primary	8053-60-9	Iron	2	0.220	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	13:14	
Grazing	VJN99-113	V9902574	9	Steer 09	Serum	Primary	7439-95-4	Magnesium	26	0.040	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	13:14	
Grazing	VJN99-113	V9902574	9	Steer 09	Serum	Primary	7440-50-8	Copper	0.791	0.700	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	13:14	
Grazing	VJN99-113	V9902574	9	Steer 09	Serum	Primary	8047-59-4	Calcium	118	0.070	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	13:14	
Grazing	VJN99-113	V9902575	10	Steer 10	Serum	Primary	9029-97-4	Zinc	1.2	0.080	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	13:17	
Grazing	VJN99-113	V9902575	10	Steer 10	Serum	Primary	7803-51-2	Phosphorus	87	2.000	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	13:17	
Grazing	VJN99-113	V9902575	10	Steer 10	Serum	Primary	8053-60-9	Iron	2.19	0.220	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	13:17	

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Grazing	VJN99-113	V9902575	10	Steer 10	Serum	Primary	7439-95-4	Magnesium	25.2	0.040	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	13:17	
Grazing	VJN99-113	V9902575	10	Steer 10	Serum	Primary	7440-50-8	Copper	0.774	0.700	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	13:17	
Grazing	VJN99-113	V9902575	10	Steer 10	Serum	Primary	8047-59-4	Calcium	117	0.070	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	13:17	
Grazing	VJN99-113	V9902576	11	Steer 11	Serum	Primary	9029-97-4	Zinc	1.02	0.080	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	13:20	
Grazing	VJN99-113	V9902576	11	Steer 11	Serum	Primary	7803-51-2	Phosphorus	80.1	2.000	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	13:20	
Grazing	VJN99-113	V9902576	11	Steer 11	Serum	Primary	8053-60-9	Iron	1.79	0.220	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	13:20	
Grazing	VJN99-113	V9902576	11	Steer 11	Serum	Primary	7439-95-4	Magnesium	24.1	0.040	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	13:20	
Grazing	VJN99-113	V9902576	11	Steer 11	Serum	Primary	7440-50-8	Copper	0.901	0.700	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	13:20	
Grazing	VJN99-113	V9902576	11	Steer 11	Serum	Primary	8047-59-4	Calcium	121	0.070	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	13:20	
Grazing	VJN99-113	V9902577	12	Steer 12	Serum	Primary	9029-97-4	Zinc	0.96	0.080	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	13:23	
Grazing	VJN99-113	V9902577	12	Steer 12	Serum	Primary	7803-51-2	Phosphorus	87.5	2.000	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	13:23	
Grazing	VJN99-113	V9902577	12	Steer 12	Serum	Primary	8053-60-9	Iron	2..11	0.220	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	13:23	
Grazing	VJN99-113	V9902577	12	Steer 12	Serum	Primary	7439-95-4	Magnesium	20.4	0.040	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	13:23	
Grazing	VJN99-113	V9902577	12	Steer 12	Serum	Primary	7440-50-8	Copper	0.861	0.700	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	13:23	
Grazing	VJN99-113	V9902577	12	Steer 12	Serum	Primary	8047-59-4	Calcium	116	0.070	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	13:23	
Grazing	VJN99-113	V9902578	13	Steer 13	Serum	Primary	9029-97-4	Zinc	1.01	0.080	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	13:26	
Grazing	VJN99-113	V9902578	13	Steer 13	Serum	Primary	7803-51-2	Phosphorus	107	2.000	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	13:26	
Grazing	VJN99-113	V9902578	13	Steer 13	Serum	Primary	8053-60-9	Iron	1.91	0.220	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	13:26	
Grazing	VJN99-113	V9902578	13	Steer 13	Serum	Primary	7439-95-4	Magnesium	23.3	0.040	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	13:26	
Grazing	VJN99-113	V9902578	13	Steer 13	Serum	Primary	7440-50-8	Copper	0.813	0.700	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	13:26	
Grazing	VJN99-113	V9902578	13	Steer 13	Serum	Primary	8047-59-4	Calcium	122	0.070	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	13:26	
Grazing	VJN99-113	V9902579	14	Steer 14	Serum	Primary	9029-97-4	Zinc	0.83	0.080	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	13:28	
Grazing	VJN99-113	V9902579	14	Steer 14	Serum	Primary	7803-51-2	Phosphorus	69.4	2.000	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	13:28	
Grazing	VJN99-113	V9902579	14	Steer 14	Serum	Primary	8053-60-9	Iron	1.26	0.220	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	13:28	
Grazing	VJN99-113	V9902579	14	Steer 14	Serum	Primary	7439-95-4	Magnesium	21.5	0.040	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	13:28	
Grazing	VJN99-113	V9902579	14	Steer 14	Serum	Primary	7440-50-8	Copper	1.08	0.700	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	13:28	
Grazing	VJN99-113	V9902579	14	Steer 14	Serum	Primary	8047-59-4	Calcium	117	0.070	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	13:28	
Grazing	VJN99-113	V9902580	15	Steer 15	Serum	Primary	9029-97-4	Zinc	1.1	0.080	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	13:31	
Grazing	VJN99-113	V9902580	15	Steer 15	Serum	Primary	7803-51-2	Phosphorus	82.7	2.000	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	13:31	
Grazing	VJN99-113	V9902580	15	Steer 15	Serum	Primary	8053-60-9	Iron	1.81	0.220	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	13:31	
Grazing	VJN99-113	V9902580	15	Steer 15	Serum	Primary	7439-95-4	Magnesium	23.6	0.040	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	13:31	
Grazing	VJN99-113	V9902580	15	Steer 15	Serum	Primary	7440-50-8	Copper	0.74	0.700	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	13:31	
Grazing	VJN99-113	V9902580	15	Steer 15	Serum	Primary	8047-59-4	Calcium	122	0.070	EDL	ug/g	Wet Wt	1			6/30/1999	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	13:31	
Grazing	VJN99-113	7140-1A	Sigma S-7140	NA	Lab QC	CCV	9029-97-4	Zinc	0.917	0.080	EDL	ug/g	Wet Wt	1	1.3	71	NA	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	13:34	
Grazing	VJN99-113	7140-1A	Sigma S-7140	NA	Lab QC	CCV	7803-51-2	Phosphorus	77	2.000	EDL	ug/g	Wet Wt	1	83.8	92	NA	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	13:34	
Grazing	VJN99-113	7140-1A	Sigma S-7140	NA	Lab QC	CCV	8053-60-9	Iron	1.54	0.220	EDL	ug/g	Wet Wt	1	1.7	91	NA	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	13:34	
Grazing	VJN99-113	7140-1A	Sigma S-7140	NA	Lab QC	CCV	7439-95-4	Magnesium	22.1	0.040	EDL	ug/g	Wet Wt	1	24.6	90	NA	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	13:34	
Grazing	VJN99-113	7140-1A	Sigma S-7140	NA	Lab QC	CCV	7440-50-8	Copper	0.941	0.700	EDL	ug/g	Wet Wt	1	1.33	71	NA	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	13:34	
Grazing	VJN99-113	7140-1A	Sigma S-7140	NA	Lab QC	CCV	8047-59-4	Calcium	111	0.070	EDL	ug/g	Wet Wt	1	109	102	NA	ICP - TES	TESICP_07-01-99	0701TES2	6/30/1999	7/1/1999	13:34	
Grazing	VJY99-30	HRL1	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.435	0.005	EDL	ug/g	Wet Wt	1	0.446	98	NA	ICP, Hydride	VGICP_08-11-99	0811SEHB	8/9/1999	8/11/1999	14:16	
Grazing	VJY99-30	V9902793	1	Steer 01	Blood	Primary	7782-49-2	Selenium	0.94	0.005	EDL	ug/g	Wet Wt	1			7/12/1999	ICP, Hydride	VGICP_08-11-99	0811SEHB	8/9/1999	8/11/1999	15:35	
Grazing	VJY99-30	V9902794	2	Steer 02	Blood	Primary	7782-49-2	Selenium	2.55	0.005	EDL	ug/g	Wet Wt	1			7/12/1999	ICP, Hydride	VGICP_08-11-99	0811SEHB	8/9/1999	8/11/1999	15:38	
Grazing	VJY99-30	V9902795	3	Steer 03	Blood	Primary	7782-49-2	Selenium	1.72	0.005	EDL	ug/g	Wet Wt	1			7/12/1999	ICP, Hydride	VGICP_08-11-99	0811SEHB	8/9/1999	8/11/1999	15:41	
Grazing	VJY99-30	V9902796	4	Steer 04	Blood	Primary	7782-49-2	Selenium	1.09	0.005	EDL	ug/g	Wet Wt	1			7/12/1999	ICP, Hydride	VGICP_08-11-99	0811SEHB	8/9/1999	8/11/1999	15:43	
Grazing	VJY99-30	V9902797	5	Steer 05	Blood	Primary	7782-49-2	Selenium	0.751	0.005	EDL	ug/g	Wet Wt	1			7/12/1999	ICP, Hydride	VGICP_08-11-99	0811SEHB	8/9/1999	8/11/1999	15:46	
Grazing	VJY99-30	V9902798	6	Steer 06	Blood	Primary	7782-49-2	Selenium	1.68	0.005	EDL	ug/g	Wet Wt	1			7/12/1999	ICP, Hydride	VGICP_08-11-99	0811SEHB	8/9/1999	8/11/1999	15:49	
Grazing	VJY99-30	V9902799	7	Steer 07	Blood	Primary	7782-49-2	Selenium	1.96	0.005	EDL	ug/g	Wet Wt	1			7/12/1999	ICP, Hydride	VGICP_08-11-99	0811SEHB	8/9/1999	8/11/1999	15:52	
Grazing	VJY99-30	V9902800	8	Steer 08	Blood	Primary	7782-49-2	Selenium	0.893	0.005	EDL	ug/g	Wet Wt	1			7/12/1999	ICP, Hydride	VGICP_08-11-99	0811SEHB	8/9/1999	8/11/1999	15:55	
Grazing	VJY99-30	V9902801	9	Steer 09	Blood	Primary	7782-49-2	Selenium	1.13	0.005	EDL	ug/g	Wet Wt	1			7/12/1999	ICP, Hydride	VGICP_08-11-99	0811SEHB	8/9/1999	8/11/1999	15:58	
Grazing	VJY99-30	V9902802	10	Steer 10	Blood	Primary	7782-49-2	Selenium	1.83	0.005	EDL	ug/g	Wet Wt	1			7/12/1999	ICP, Hydride	VGICP_08-11-99	0811SEHB	8/9/1999	8/11/1999	16:01	
Grazing	VJY99-30	HRL2	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.466	0.005	EDL	ug/g	Wet Wt	1	0.446	104	NA	ICP, Hydride	VGICP_08-11-99	0811SEHB	8/9/1999	8/11/1999	16:04	
Grazing	VJY99-30	HRL	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.411	0.005	EDL	ug/g	Wet Wt	1	0.446	92	NA	ICP, Hydride	VGICP_08-19-99	0819SEH	8/11/1999	8/19/1999	11:03	
Grazing	VJY99-30	V9902803	11	Steer 11	Blood	Primary	7782-49-2	Selenium	0.77	0.005	EDL	ug/g	Wet Wt	1			7/12/1999	ICP, Hydride	VGICP_08-19-99	0819SEH	8/11/1999	8/19/1999	11:06	
Grazing	VJY99-30	V9902804	12	Steer 12	Blood	Primary	7782-49-2	Selenium	0.785	0.005	EDL	ug/g	Wet Wt	1			7/12/1999	ICP, Hydride	VGICP_08-19-99	0819SEH	8/11/1999	8/19/1999	11:09	
Grazing	VJY99-30	V9902805	13	Steer 13	Blood	Primary	7782-49-2	Selenium	1.18	0.005	EDL	ug/g	Wet Wt	1			7/12/1999	ICP, Hydride	VGICP_08-19-99	0819SEH	8/11/1999	8/19/1999	11:12	
Grazing	VJY99-30	V9902806	14	Steer 14	Blood	Primary	7782-49-2	Selenium	1.14	0.005	EDL	ug/g	Wet Wt	1			7/12/1999	ICP, Hydride	VGICP_08-19-99	0819SEH	8/11/1999	8/19/1999	11:14	
Grazing	VJY99-30	V9902807	15	Steer 15	Blood	Primary	7782-49-2	Selenium	1.67	0.005	EDL	ug/g	Wet Wt	1			7/12/1999	ICP, Hydride	VGICP_08-19-99	0819SEH	8/11/1999	8/19/1999	11:17	
Grazing	VJY99-30	V9902808	4-1	NA	Blood	Primary	7782-49-2	Selenium	0.715	0.005	EDL	ug/g	Wet Wt	1			7/12/1999	ICP, Hydride	VGICP_08-19-99	0819SEH	8/11/1999	8/19/1999	11:20	

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Grazing	VJY99-30	V9902809	1	Steer 01	Serum	Primary	7782-49-2	Selenium	0.446	0.005	EDL	ug/g	Wet Wt	1			7/12/1999	ICP, Hydride	VGICP_08-19-99	0819SEH	8/11/1999	8/19/1999	11:23	
Grazing	VJY99-30	V9902810	2	Steer 02	Serum	Primary	7782-49-2	Selenium	0.818	0.005	EDL	ug/g	Wet Wt	1			7/12/1999	ICP, Hydride	VGICP_08-19-99	0819SEH	8/11/1999	8/19/1999	11:26	
Grazing	VJY99-30	V9902811	3	Steer 03	Serum	Primary	7782-49-2	Selenium	0.69	0.005	EDL	ug/g	Wet Wt	1			7/12/1999	ICP, Hydride	VGICP_08-19-99	0819SEH	8/11/1999	8/19/1999	11:29	
Grazing	VJY99-30	V9902812	4	Steer 04	Serum	Primary	7782-49-2	Selenium	0.948	0.005	EDL	ug/g	Wet Wt	1			7/12/1999	ICP, Hydride	VGICP_08-19-99	0819SEH	8/11/1999	8/19/1999	11:32	
Grazing	VJY99-30	V9902813	5	Steer 05	Serum	Primary	7782-49-2	Selenium	0.455	0.005	EDL	ug/g	Wet Wt	1			7/12/1999	ICP, Hydride	VGICP_08-19-99	0819SEH	8/11/1999	8/19/1999	11:35	
Grazing	VJY99-30	V9902814	6	Steer 06	Serum	Primary	7782-49-2	Selenium	1.06	0.005	EDL	ug/g	Wet Wt	1			7/12/1999	ICP, Hydride	VGICP_08-19-99	0819SEH	8/11/1999	8/19/1999	11:38	
Grazing	VJY99-30	V9902815	7	Steer 07	Serum	Primary	7782-49-2	Selenium	1.13	0.005	EDL	ug/g	Wet Wt	1			7/12/1999	ICP, Hydride	VGICP_08-19-99	0819SEH	8/11/1999	8/19/1999	11:41	
Grazing	VJY99-30	HRL1A	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.424	0.005	EDL	ug/g	Wet Wt	1	0.446	95	NA	ICP, Hydride	VGICP_08-19-99	0819SEH	8/11/1999	8/19/1999	11:44	
Grazing	VJY99-30	V9902816	8	Steer 08	Serum	Primary	7782-49-2	Selenium	0.455	0.005	EDL	ug/g	Wet Wt	1			7/12/1999	ICP, Hydride	VGICP_08-19-99	0819SEH	8/11/1999	8/19/1999	11:46	
Grazing	VJY99-30	V9902817	9	Steer 09	Serum	Primary	7782-49-2	Selenium	0.614	0.005	EDL	ug/g	Wet Wt	1			7/12/1999	ICP, Hydride	VGICP_08-19-99	0819SEH	8/11/1999	8/19/1999	11:49	
Grazing	VJY99-30	V9902818	10	Steer 10	Serum	Primary	7782-49-2	Selenium	1.02	0.005	EDL	ug/g	Wet Wt	1			7/12/1999	ICP, Hydride	VGICP_08-19-99	0819SEH	8/11/1999	8/19/1999	11:52	
Grazing	VJY99-30	V9902819	11	Steer 11	Serum	Primary	7782-49-2	Selenium	0.37	0.005	EDL	ug/g	Wet Wt	1			7/12/1999	ICP, Hydride	VGICP_08-19-99	0819SEH	8/11/1999	8/19/1999	11:55	
Grazing	VJY99-30	V9902820	12	Steer 12	Serum	Primary	7782-49-2	Selenium	0.482	0.005	EDL	ug/g	Wet Wt	1			7/12/1999	ICP, Hydride	VGICP_08-19-99	0819SEH	8/11/1999	8/19/1999	11:58	
Grazing	VJY99-30	V9902821	13	Steer 13	Serum	Primary	7782-49-2	Selenium	0.975	0.005	EDL	ug/g	Wet Wt	1			7/12/1999	ICP, Hydride	VGICP_08-19-99	0819SEH	8/11/1999	8/19/1999	12:01	
Grazing	VJY99-30	V9902822	14	Steer 14	Serum	Primary	7782-49-2	Selenium	0.967	0.005	EDL	ug/g	Wet Wt	1			7/12/1999	ICP, Hydride	VGICP_08-19-99	0819SEH	8/11/1999	8/19/1999	12:04	
Grazing	VJY99-30	V9902823	15	Steer 15	Serum	Primary	7782-49-2	Selenium	0.905	0.005	EDL	ug/g	Wet Wt	1			7/12/1999	ICP, Hydride	VGICP_08-19-99	0819SEH	8/11/1999	8/19/1999	12:07	
Grazing	VJY99-30	V9902824	4-1	NA	Serum	Primary	7782-49-2	Selenium	0.435	0.005	EDL	ug/g	Wet Wt	1			7/12/1999	ICP, Hydride	VGICP_08-19-99	0819SEH	8/11/1999	8/19/1999	12:10	
Grazing	VJY99-30	HRL2	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.457	0.005	EDL	ug/g	Wet Wt	1	0.446	102	NA	ICP, Hydride	VGICP_08-19-99	0819SEH	8/11/1999	8/19/1999	12:30	
Grazing	VJY99-30	Blank	Laboratory Blank	NA	Lab QC	Blank	7782-49-2	Selenium	-0.412	0.005	EDL	ug/g	Wet Wt	1			NA	ICP, Hydride	VGICP_08-19-99	0819SEH	8/11/1999	8/19/1999	12:33	
Grazing	VJY99-30	APG 7878-4	APG 7878	NA	Lab QC	CCV	7439-98-7	Molybdenum	0.0942	0.007	EDL	ug/g	Wet Wt	1	0.0872	108	NA	Graphite Furnace	GF_08-05-99	080499MO	7/28/1999	8/4/1999	15:46	IRD
Grazing	VJY99-30	V9902793	1	Steer 01	Plasma	Primary	7439-98-7	Molybdenum	0.788	0.007	EDL	ug/g	Wet Wt	1			7/12/1999	Graphite Furnace	GF_08-05-99	080499MO	7/29/1999	8/4/1999	15:50	IRD
Grazing	VJY99-30	V9902794	2	Steer 02	Plasma	Primary	7439-98-7	Molybdenum	1.549	0.007	EDL	ug/g	Wet Wt	1			7/12/1999	Graphite Furnace	GF_08-05-99	080499MO	7/29/1999	8/4/1999	15:53	IRD
Grazing	VJY99-30	V9902795	3	Steer 03	Plasma	Primary	7439-98-7	Molybdenum	1.552	0.007	EDL	ug/g	Wet Wt	1			7/12/1999	Graphite Furnace	GF_08-05-99	080499MO	7/29/1999	8/4/1999	15:56	IRD
Grazing	VJY99-30	V9902796	4	Steer 04	Plasma	Primary	7439-98-7	Molybdenum	0.428	0.007	EDL	ug/g	Wet Wt	1			7/12/1999	Graphite Furnace	GF_08-05-99	080499MO	7/29/1999	8/4/1999	15:59	IRD
Grazing	VJY99-30	V9902797	5	Steer 05	Plasma	Primary	7439-98-7	Molybdenum	1.021	0.007	EDL	ug/g	Wet Wt	1			7/12/1999	Graphite Furnace	GF_08-05-99	080499MO	7/29/1999	8/4/1999	16:02	IRD
Grazing	VJY99-30	V9902798	6	Steer 06	Plasma	Primary	7439-98-7	Molybdenum	0.628	0.007	EDL	ug/g	Wet Wt	1			7/12/1999	Graphite Furnace	GF_08-05-99	080499MO	7/29/1999	8/4/1999	16:05	IRD
Grazing	VJY99-30	APG 7878-5	APG 7878	NA	Lab QC	CCV	7439-98-7	Molybdenum	0.0945	0.007	EDL	ug/g	Wet Wt	1	0.0872	108	NA	Graphite Furnace	GF_08-05-99	080499MO	7/28/1999	8/4/1999	16:09	IRD
Grazing	VJY99-30	V9902799	7	Steer 07	Plasma	Primary	7439-98-7	Molybdenum	0.886	0.007	EDL	ug/g	Wet Wt	1			7/12/1999	Graphite Furnace	GF_08-05-99	080499MO	7/29/1999	8/4/1999	16:12	IRD
Grazing	VJY99-30	V9902800	8	Steer 08	Plasma	Primary	7439-98-7	Molybdenum	0.646	0.007	EDL	ug/g	Wet Wt	1			7/12/1999	Graphite Furnace	GF_08-05-99	080499MO	7/29/1999	8/4/1999	16:15	IRD
Grazing	VJY99-30	V9902801	9	Steer 09	Plasma	Primary	7439-98-7	Molybdenum	0.241	0.007	EDL	ug/g	Wet Wt	1			7/12/1999	Graphite Furnace	GF_08-05-99	080499MO	7/29/1999	8/4/1999	16:18	IRD
Grazing	VJY99-30	V9902802	10	Steer 10	Plasma	Primary	7439-98-7	Molybdenum	0.61	0.007	EDL	ug/g	Wet Wt	1			7/12/1999	Graphite Furnace	GF_08-05-99	080499MO	7/29/1999	8/4/1999	16:22	IRD
Grazing	VJY99-30	V9902803	11	Steer 11	Plasma	Primary	7439-98-7	Molybdenum	1.384	0.007	EDL	ug/g	Wet Wt	1			7/12/1999	Graphite Furnace	GF_08-05-99	080499MO	7/29/1999	8/4/1999	16:25	IRD
Grazing	VJY99-30	V9902804	12	Steer 12	Plasma	Primary	7439-98-7	Molybdenum	1.564	0.007	EDL	ug/g	Wet Wt	1			7/12/1999	Graphite Furnace	GF_08-05-99	080499MO	7/29/1999	8/4/1999	16:28	IRD
Grazing	VJY99-30	V9902805	13	Steer 13	Plasma	Primary	7439-98-7	Molybdenum	0.447	0.007	EDL	ug/g	Wet Wt	1			7/12/1999	Graphite Furnace	GF_08-05-99	080499MO	7/29/1999	8/4/1999	16:32	IRD
Grazing	VJY99-30	V9902806	14	Steer 14	Plasma	Primary	7439-98-7	Molybdenum	0.331	0.007	EDL	ug/g	Wet Wt	1			7/12/1999	Graphite Furnace	GF_08-05-99	080499MO	7/29/1999	8/4/1999	16:35	IRD
Grazing	VJY99-30	V9902807	15	Steer 15	Plasma	Primary	7439-98-7	Molybdenum	0.97	0.007	EDL	ug/g	Wet Wt	1			7/12/1999	Graphite Furnace	GF_08-05-99	080499MO	7/29/1999	8/4/1999	16:38	IRD
Grazing	VJY99-30	V9902808	4-1	NA	Plasma	Primary	7439-98-7	Molybdenum	0.957	0.007	EDL	ug/g	Wet Wt	1			7/12/1999	Graphite Furnace	GF_08-05-99	080499MO	7/29/1999	8/4/1999	16:41	IRD
Grazing	VJY99-30	APG 7878-6	APG 7878	NA	Lab QC	CCV	7439-98-7	Molybdenum	0.0844	0.007	EDL	ug/g	Wet Wt	1	0.0872	97	NA	Graphite Furnace	GF_08-05-99	080499MO	7/28/1999	8/4/1999	16:45	IRD
Grazing	VJY99-30	7140	Sigma S-7140	NA	Lab QC	CCV	9029-97-4	Zinc	1.14	0.080	EDL	ug/g	Wet Wt	1	1.3	88	NA	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	13:26	
Grazing	VJY99-30	7140	Sigma S-7140	NA	Lab QC	CCV	7803-51-2	Phosphorus	70.5	2.000	EDL	ug/g	Wet Wt	1	83.8	84	NA	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	13:26	
Grazing	VJY99-30	7140	Sigma S-7140	NA	Lab QC	CCV	8053-60-9	Iron	1.43	0.220	EDL	ug/g	Wet Wt	1	1.7	84	NA	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	13:26	
Grazing	VJY99-30	7140	Sigma S-7140	NA	Lab QC	CCV	7439-95-4	Magnesium	22.4	0.040	EDL	ug/g	Wet Wt	1	24.6	91	NA	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	13:26	
Grazing	VJY99-30	7140	Sigma S-7140	NA	Lab QC	CCV	7440-50-8	Copper	1.13	0.700	EDL	ug/g	Wet Wt	1	1.33	85	NA	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	13:26	
Grazing	VJY99-30	7140	Sigma S-7140	NA	Lab QC	CCV	8047-59-4	Calcium	96.6	0.070	EDL	ug/g	Wet Wt	1	109	89	NA	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	13:26	
Grazing	VJY99-30	V9902809	1	Steer 01	Serum	Primary	9029-97-4	Zinc	1.33	0.080	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	13:34	
Grazing	VJY99-30	V9902809	1	Steer 01	Serum	Primary	7803-51-2	Phosphorus	93.8	2.000	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	13:34	
Grazing	VJY99-30	V9902809	1	Steer 01	Serum	Primary	8053-60-9	Iron	1.7	0.220	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	13:34	
Grazing	VJY99-30	V9902809	1	Steer 01	Serum	Primary	7439-95-4	Magnesium	22.7	0.040	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	13:34	
Grazing	VJY99-30	V9902809	1	Steer 01	Serum	Primary	7440-50-8	Copper	0.568	0.700	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	13:34	
Grazing	VJY99-30	V9902809	1	Steer 01	Serum	Primary	8047-59-4	Calcium	94.9	0.070	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	13:34	
Grazing	VJY99-30	V9902810	2	Steer 02	Serum	Primary	9029-97-4	Zinc	1.55	0.080	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	13:37	
Grazing	VJY99-30	V9902810	2	Steer 02	Serum	Primary	7803-51-2	Phosphorus	72.6	2.000	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	13:37	
Grazing	VJY99-30	V9902810	2	Steer 02	Serum	Primary	8053-60-9	Iron	1.81	0.220	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	13:37	
Grazing	VJY99-30	V9902810	2	Steer 02	Serum	Primary	7439-95-4	Magnesium	20.7	0.040	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	13:37	
Grazing	VJY99-30	V9902810	2	Steer 02	Serum	Primary	7440-50-8	Copper	0.572	0.700	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	13:37	
Grazing	VJY99-30	V9902810	2	Steer 02	Serum	Primary	8047-59-4	Calcium	97	0.070	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	13:37	
Grazing	VJY99-30	V9902811	3	Steer 03	Serum	Primary	9029-97-4	Zinc	1.47	0.080	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	13:40	
Grazing	VJY99-30	V9902811	3	Steer 03	Serum	Primary	7803-51-2	Phosphorus	67.1	2.000	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	13:40	

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Grazing	VJY99-30	V9902811	3	Steer 03	Serum	Primary	8053-60-9	Iron	1.94	0.220	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	13:40	
Grazing	VJY99-30	V9902811	3	Steer 03	Serum	Primary	7439-95-4	Magnesium	25.3	0.040	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	13:40	
Grazing	VJY99-30	V9902811	3	Steer 03	Serum	Primary	7440-50-8	Copper	0.742	0.700	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	13:40	
Grazing	VJY99-30	V9902811	3	Steer 03	Serum	Primary	8047-59-4	Calcium	105	0.070	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	13:40	
Grazing	VJY99-30	V9902812	4	Steer 04	Serum	Primary	9029-97-4	Zinc	1.21	0.080	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	13:43	
Grazing	VJY99-30	V9902812	4	Steer 04	Serum	Primary	7803-51-2	Phosphorus	59.9	2.000	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	13:43	
Grazing	VJY99-30	V9902812	4	Steer 04	Serum	Primary	8053-60-9	Iron	1.05	0.220	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	13:43	
Grazing	VJY99-30	V9902812	4	Steer 04	Serum	Primary	7439-95-4	Magnesium	18.8	0.040	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	13:43	
Grazing	VJY99-30	V9902812	4	Steer 04	Serum	Primary	7440-50-8	Copper	0.787	0.700	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	13:43	
Grazing	VJY99-30	V9902812	4	Steer 04	Serum	Primary	8047-59-4	Calcium	88	0.070	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	13:43	
Grazing	VJY99-30	V9902813	5	Steer 05	Serum	Primary	9029-97-4	Zinc	1.22	0.080	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	13:46	
Grazing	VJY99-30	V9902813	5	Steer 05	Serum	Primary	7803-51-2	Phosphorus	59.6	2.000	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	13:46	
Grazing	VJY99-30	V9902813	5	Steer 05	Serum	Primary	8053-60-9	Iron	2.3	0.220	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	13:46	
Grazing	VJY99-30	V9902813	5	Steer 05	Serum	Primary	7439-95-4	Magnesium	20.7	0.040	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	13:46	
Grazing	VJY99-30	V9902813	5	Steer 05	Serum	Primary	7440-50-8	Copper	0.932	0.700	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	13:46	
Grazing	VJY99-30	V9902813	5	Steer 05	Serum	Primary	8047-59-4	Calcium	105	0.070	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	13:46	
Grazing	VJY99-30	V9902814	6	Steer 06	Serum	Primary	9029-97-4	Zinc	1.32	0.080	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	13:49	
Grazing	VJY99-30	V9902814	6	Steer 06	Serum	Primary	7803-51-2	Phosphorus	75.7	2.000	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	13:49	
Grazing	VJY99-30	V9902814	6	Steer 06	Serum	Primary	8053-60-9	Iron	1.15	0.220	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	13:49	
Grazing	VJY99-30	V9902814	6	Steer 06	Serum	Primary	7439-95-4	Magnesium	22.4	0.040	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	13:49	
Grazing	VJY99-30	V9902814	6	Steer 06	Serum	Primary	7440-50-8	Copper	0.714	0.700	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	13:49	
Grazing	VJY99-30	V9902814	6	Steer 06	Serum	Primary	8047-59-4	Calcium	96.1	0.070	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	13:49	
Grazing	VJY99-30	V9902815	7	Steer 07	Serum	Primary	9029-97-4	Zinc	1.53	0.080	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	13:52	
Grazing	VJY99-30	V9902815	7	Steer 07	Serum	Primary	7803-51-2	Phosphorus	74.2	2.000	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	13:52	
Grazing	VJY99-30	V9902815	7	Steer 07	Serum	Primary	8053-60-9	Iron	1.88	0.220	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	13:52	
Grazing	VJY99-30	V9902815	7	Steer 07	Serum	Primary	7439-95-4	Magnesium	21.7	0.040	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	13:52	
Grazing	VJY99-30	V9902815	7	Steer 07	Serum	Primary	7440-50-8	Copper	0.742	0.700	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	13:52	
Grazing	VJY99-30	V9902815	7	Steer 07	Serum	Primary	8047-59-4	Calcium	104	0.070	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	13:52	
Grazing	VJY99-30	V9902816	8	Steer 08	Serum	Primary	9029-97-4	Zinc	1.2	0.080	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	13:55	
Grazing	VJY99-30	V9902816	8	Steer 08	Serum	Primary	7803-51-2	Phosphorus	55.4	2.000	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	13:55	
Grazing	VJY99-30	V9902816	8	Steer 08	Serum	Primary	8053-60-9	Iron	1.29	0.220	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	13:55	
Grazing	VJY99-30	V9902816	8	Steer 08	Serum	Primary	7439-95-4	Magnesium	18.5	0.040	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	13:55	
Grazing	VJY99-30	V9902816	8	Steer 08	Serum	Primary	7440-50-8	Copper	0.619	0.700	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	13:55	
Grazing	VJY99-30	V9902816	8	Steer 08	Serum	Primary	8047-59-4	Calcium	81.3	0.070	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	13:55	
Grazing	VJY99-30	V9902817	9	Steer 09	Serum	Primary	9029-97-4	Zinc	1.64	0.080	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	13:58	
Grazing	VJY99-30	V9902817	9	Steer 09	Serum	Primary	7803-51-2	Phosphorus	103	2.000	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	13:58	
Grazing	VJY99-30	V9902817	9	Steer 09	Serum	Primary	8053-60-9	Iron	1.33	0.220	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	13:58	
Grazing	VJY99-30	V9902817	9	Steer 09	Serum	Primary	7439-95-4	Magnesium	21.8	0.040	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	13:58	
Grazing	VJY99-30	V9902817	9	Steer 09	Serum	Primary	7440-50-8	Copper	0.684	0.700	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	13:58	
Grazing	VJY99-30	V9902817	9	Steer 09	Serum	Primary	8047-59-4	Calcium	96.7	0.070	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	13:58	
Grazing	VJY99-30	V9902818	10	Steer 10	Serum	Primary	9029-97-4	Zinc	1.05	0.080	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	14:01	
Grazing	VJY99-30	V9902818	10	Steer 10	Serum	Primary	7803-51-2	Phosphorus	59	2.000	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	14:01	
Grazing	VJY99-30	V9902818	10	Steer 10	Serum	Primary	8053-60-9	Iron	1.39	0.220	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	14:01	
Grazing	VJY99-30	V9902818	10	Steer 10	Serum	Primary	7439-95-4	Magnesium	21.3	0.040	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	14:01	
Grazing	VJY99-30	V9902818	10	Steer 10	Serum	Primary	7440-50-8	Copper	0.926	0.700	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	14:01	
Grazing	VJY99-30	V9902818	10	Steer 10	Serum	Primary	8047-59-4	Calcium	103	0.070	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	14:01	
Grazing	VJY99-30	7140-1	Sigma S-7140	NA	Lab QC	CCV	9029-97-4	Zinc	1.12	0.080	EDL	ug/g	Wet Wt	1	1.3	86	NA	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	14:04	
Grazing	VJY99-30	7140-1	Sigma S-7140	NA	Lab QC	CCV	7803-51-2	Phosphorus	68.3	2.000	EDL	ug/g	Wet Wt	1	83.8	82	NA	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	14:04	
Grazing	VJY99-30	7140-1	Sigma S-7140	NA	Lab QC	CCV	8053-60-9	Iron	1.53	0.220	EDL	ug/g	Wet Wt	1	1.7	90	NA	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	14:04	
Grazing	VJY99-30	7140-1	Sigma S-7140	NA	Lab QC	CCV	7439-95-4	Magnesium	22	0.040	EDL	ug/g	Wet Wt	1	24.6	89	NA	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	14:04	
Grazing	VJY99-30	7140-1	Sigma S-7140	NA	Lab QC	CCV	7440-50-8	Copper	1.13	0.700	EDL	ug/g	Wet Wt	1	1.33	85	NA	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	14:04	
Grazing	VJY99-30	7140-1	Sigma S-7140	NA	Lab QC	CCV	8047-59-4	Calcium	103	0.070	EDL	ug/g	Wet Wt	1	109	94	NA	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	14:04	
Grazing	VJY99-30	V9902819	11	Steer 11	Serum	Primary	9029-97-4	Zinc	1.32	0.080	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	14:07	
Grazing	VJY99-30	V9902819	11	Steer 11	Serum	Primary	7803-51-2	Phosphorus	58.2	2.000	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	14:07	
Grazing	VJY99-30	V9902819	11	Steer 11	Serum	Primary	8053-60-9	Iron	1.56	0.220	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	14:07	
Grazing	VJY99-30	V9902819	11	Steer 11	Serum	Primary	7439-95-4	Magnesium	21.2	0.040	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	14:07	
Grazing	VJY99-30	V9902819	11	Steer 11	Serum	Primary	7440-50-8	Copper	1.78	0.700	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	14:07	
Grazing	VJY99-30	V9902819	11	Steer 11	Serum	Primary	8047-59-4	Calcium	105	0.070	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	14:07	

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Grazing	VJY99-30	V9902820	12	Steer 12	Serum	Primary	9029-97-4	Zinc	1.48	0.080	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	14:09	
Grazing	VJY99-30	V9902820	12	Steer 12	Serum	Primary	7803-51-2	Phosphorus	78.2	2.000	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	14:09	
Grazing	VJY99-30	V9902820	12	Steer 12	Serum	Primary	8053-60-9	Iron	1.32	0.220	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	14:09	
Grazing	VJY99-30	V9902820	12	Steer 12	Serum	Primary	7439-95-4	Magnesium	21.7	0.040	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	14:09	
Grazing	VJY99-30	V9902820	12	Steer 12	Serum	Primary	7440-50-8	Copper	0.971	0.700	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	14:09	
Grazing	VJY99-30	V9902820	12	Steer 12	Serum	Primary	8047-59-4	Calcium	105	0.070	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	14:09	
Grazing	VJY99-30	V9902821	13	Steer 13	Serum	Primary	9029-97-4	Zinc	1.31	0.080	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	14:12	
Grazing	VJY99-30	V9902821	13	Steer 13	Serum	Primary	7803-51-2	Phosphorus	57.9	2.000	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	14:12	
Grazing	VJY99-30	V9902821	13	Steer 13	Serum	Primary	8053-60-9	Iron	1.24	0.220	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	14:12	
Grazing	VJY99-30	V9902821	13	Steer 13	Serum	Primary	7439-95-4	Magnesium	19.5	0.040	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	14:12	
Grazing	VJY99-30	V9902821	13	Steer 13	Serum	Primary	7440-50-8	Copper	0.821	0.700	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	14:12	
Grazing	VJY99-30	V9902821	13	Steer 13	Serum	Primary	8047-59-4	Calcium	106	0.070	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	14:12	
Grazing	VJY99-30	V9902822	14	Steer 14	Serum	Primary	9029-97-4	Zinc	1.25	0.080	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	14:15	
Grazing	VJY99-30	V9902822	14	Steer 14	Serum	Primary	7803-51-2	Phosphorus	63.4	2.000	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	14:15	
Grazing	VJY99-30	V9902822	14	Steer 14	Serum	Primary	8053-60-9	Iron	1.15	0.220	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	14:15	
Grazing	VJY99-30	V9902822	14	Steer 14	Serum	Primary	7439-95-4	Magnesium	21.7	0.040	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	14:15	
Grazing	VJY99-30	V9902822	14	Steer 14	Serum	Primary	7440-50-8	Copper	0.582	0.700	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	14:15	
Grazing	VJY99-30	V9902822	14	Steer 14	Serum	Primary	8047-59-4	Calcium	104	0.070	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	14:15	
Grazing	VJY99-30	V9902823	15	Steer 15	Serum	Primary	9029-97-4	Zinc	1.2	0.080	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	14:18	
Grazing	VJY99-30	V9902823	15	Steer 15	Serum	Primary	7803-51-2	Phosphorus	72.7	2.000	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	14:18	
Grazing	VJY99-30	V9902823	15	Steer 15	Serum	Primary	8053-60-9	Iron	1.34	0.220	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	14:18	
Grazing	VJY99-30	V9902823	15	Steer 15	Serum	Primary	7439-95-4	Magnesium	20.1	0.040	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	14:18	
Grazing	VJY99-30	V9902823	15	Steer 15	Serum	Primary	7440-50-8	Copper	0.711	0.700	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	14:18	
Grazing	VJY99-30	V9902823	15	Steer 15	Serum	Primary	8047-59-4	Calcium	100	0.070	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	14:18	
Grazing	VJY99-30	V9902824	4-1	NA	Serum	Primary	9029-97-4	Zinc	1.3	0.080	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	14:21	
Grazing	VJY99-30	V9902824	4-1	NA	Serum	Primary	7803-51-2	Phosphorus	77.5	2.000	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	14:21	
Grazing	VJY99-30	V9902824	4-1	NA	Serum	Primary	8053-60-9	Iron	2.36	0.220	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	14:21	
Grazing	VJY99-30	V9902824	4-1	NA	Serum	Primary	7439-95-4	Magnesium	21.2	0.040	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	14:21	
Grazing	VJY99-30	V9902824	4-1	NA	Serum	Primary	7440-50-8	Copper	0.904	0.700	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	14:21	
Grazing	VJY99-30	V9902824	4-1	NA	Serum	Primary	8047-59-4	Calcium	96.5	0.070	EDL	ug/g	Wet Wt	1			7/12/1999	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	14:21	
Grazing	VJY99-30	7140-1	Sigma S-7140	NA	Lab QC	CCV	9029-97-4	Zinc	1.12	0.080	EDL	ug/g	Wet Wt	1	1.3	86	NA	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	15:07	
Grazing	VJY99-30	7140-1	Sigma S-7140	NA	Lab QC	CCV	7803-51-2	Phosphorus	68.9	2.000	EDL	ug/g	Wet Wt	1	83.8	82	NA	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	15:07	
Grazing	VJY99-30	7140-1	Sigma S-7140	NA	Lab QC	CCV	8053-60-9	Iron	1.41	0.220	EDL	ug/g	Wet Wt	1	1.7	83	NA	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	15:07	
Grazing	VJY99-30	7140-1	Sigma S-7140	NA	Lab QC	CCV	7439-95-4	Magnesium	21.9	0.040	EDL	ug/g	Wet Wt	1	24.6	89	NA	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	15:07	
Grazing	VJY99-30	7140-1	Sigma S-7140	NA	Lab QC	CCV	7440-50-8	Copper	1.16	0.700	EDL	ug/g	Wet Wt	1	1.33	87	NA	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	15:07	
Grazing	VJY99-30	7140-1	Sigma S-7140	NA	Lab QC	CCV	8047-59-4	Calcium	98.9	0.070	EDL	ug/g	Wet Wt	1	109	91	NA	ICP - TES	TESICP_07-19-99	0719TES2	7/19/1999	7/19/1999	15:07	
Grazing	VJY99-86	HRL	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.377	0.005	EDL	ug/g	Wet Wt	1	0.446	85	NA	ICP, Hydride	VGICP_08-20-99	0820SEH	8/13/1999	8/20/1999	10:30	
Grazing	VJY99-86	V9903073	7	Steer 07	Blood	Primary	7782-49-2	Selenium	2.69	0.005	EDL	ug/g	Wet Wt	1			7/29/1999	ICP, Hydride	VGICP_08-20-99	0820SEH	8/13/1999	8/20/1999	10:34	
Grazing	VJY99-86	V9903074	8	Steer 08	Blood	Primary	7782-49-2	Selenium	1.07	0.005	EDL	ug/g	Wet Wt	1			7/29/1999	ICP, Hydride	VGICP_08-20-99	0820SEH	8/13/1999	8/20/1999	10:37	
Grazing	VJY99-86	V9903075	9	Steer 09	Blood	Primary	7782-49-2	Selenium	1.95	0.005	EDL	ug/g	Wet Wt	1			7/29/1999	ICP, Hydride	VGICP_08-20-99	0820SEH	8/13/1999	8/20/1999	10:40	
Grazing	VJY99-86	V9903076	10	Steer 10	Blood	Primary	7782-49-2	Selenium	1.46	0.005	EDL	ug/g	Wet Wt	1			7/29/1999	ICP, Hydride	VGICP_08-20-99	0820SEH	8/13/1999	8/20/1999	10:43	
Grazing	VJY99-86	V9903077	11	Steer 11	Blood	Primary	7782-49-2	Selenium	1.27	0.005	EDL	ug/g	Wet Wt	1			7/29/1999	ICP, Hydride	VGICP_08-20-99	0820SEH	8/13/1999	8/20/1999	10:46	
Grazing	VJY99-86	V9903078	12	Steer 12	Blood	Primary	7782-49-2	Selenium	1.22	0.005	EDL	ug/g	Wet Wt	1			7/29/1999	ICP, Hydride	VGICP_08-20-99	0820SEH	8/13/1999	8/20/1999	10:49	
Grazing	VJY99-86	V9903079	13	Steer 13	Blood	Primary	7782-49-2	Selenium	1.3	0.005	EDL	ug/g	Wet Wt	1			7/29/1999	ICP, Hydride	VGICP_08-20-99	0820SEH	8/13/1999	8/20/1999	10:52	
Grazing	VJY99-86	V9903080	14	Steer 14	Blood	Primary	7782-49-2	Selenium	1.03	0.005	EDL	ug/g	Wet Wt	1			7/29/1999	ICP, Hydride	VGICP_08-20-99	0820SEH	8/13/1999	8/20/1999	10:55	
Grazing	VJY99-86	V9903081	15	Steer 15	Blood	Primary	7782-49-2	Selenium	2.16	0.005	EDL	ug/g	Wet Wt	1			7/29/1999	ICP, Hydride	VGICP_08-20-99	0820SEH	8/13/1999	8/20/1999	10:58	
Grazing	VJY99-86	V9903082	1	Steer 01	Serum	Primary	7782-49-2	Selenium	0.555	0.005	EDL	ug/g	Wet Wt	1			7/29/1999	ICP, Hydride	VGICP_08-20-99	0820SEH	8/13/1999	8/20/1999	11:00	
Grazing	VJY99-86	V9903083	2	Steer 02	Serum	Primary	7782-49-2	Selenium	1.16	0.005	EDL	ug/g	Wet Wt	1			7/29/1999	ICP, Hydride	VGICP_08-20-99	0820SEH	8/13/1999	8/20/1999	11:03	
Grazing	VJY99-86	V9903084	3	Steer 03	Serum	Primary	7782-49-2	Selenium	1.3	0.005	EDL	ug/g	Wet Wt	1			7/29/1999	ICP, Hydride	VGICP_08-20-99	0820SEH	8/13/1999	8/20/1999	11:06	
Grazing	VJY99-86	V9903085	4	Steer 04	Serum	Primary	7782-49-2	Selenium	1.62	0.005	EDL	ug/g	Wet Wt	1			7/29/1999	ICP, Hydride	VGICP_08-20-99	0820SEH	8/13/1999	8/20/1999	11:09	
Grazing	VJY99-86	HRL	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.449	0.005	EDL	ug/g	Wet Wt	1	0.446	101	NA	ICP, Hydride	VGICP_08-20-99	0820SEH	8/13/1999	8/20/1999	11:12	
Grazing	VJY99-86	V9903086	5	Steer 05	Serum	Primary	7782-49-2	Selenium	0.656	0.005	EDL	ug/g	Wet Wt	1			7/29/1999	ICP, Hydride	VGICP_08-20-99	0820SEH	8/13/1999	8/20/1999	11:15	
Grazing	VJY99-86	V9903087	6	Steer 06	Serum	Primary	7782-49-2	Selenium	1.78	0.005	EDL	ug/g	Wet Wt	1			7/29/1999	ICP, Hydride	VGICP_08-20-99	0820SEH	8/13/1999	8/20/1999	11:18	
Grazing	VJY99-86	V9903088	7	Steer 07	Serum	Primary	7782-49-2	Selenium	0.841	0.005	EDL	ug/g	Wet Wt	1			7/29/1999	ICP, Hydride	VGICP_08-20-99	0820SEH	8/13/1999	8/20/1999	11:21	
Grazing	VJY99-86	V9903089	8	Steer 08	Serum	Primary	7782-49-2	Selenium	0.577	0.005	EDL	ug/g	Wet Wt	1			7/29/1999	ICP, Hydride	VGICP_08-20-99	0820SEH	8/13/1999	8/20/1999	11:24	
Grazing	VJY99-86	V9903090	9	Steer 09	Serum	Primary	7782-49-2	Selenium	1.79	0.005	EDL	ug/g	Wet Wt	1			7/29/1999	ICP, Hydride	VGICP_08-20-99	0820SEH	8/13/1999	8/20/1999	11:27	
Grazing	VJY99-86	V9903091	10	Steer 10	Serum	Primary	7782-49-2	Selenium	0.663	0.005	EDL	ug/g	Wet Wt	1			7/29/1999	ICP, Hydride	VGICP_08-20-99	0820SEH	8/13/1999	8/20/1999	11:30	
Grazing	VJY99-86	V9903092	11	Steer 11	Serum	Primary	7782-49-2	Selenium	0.665	0.005	EDL	ug/g	Wet Wt	1			7/29/1999	ICP, Hydride	VGICP_08-20-99	0820SEH	8/13/1999	8/20/1999	11:33	

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Grazing	VJY99-86	V9903093	12	Steer 12	Serum	Primary	7782-49-2	Selenium	0.969	0.005	EDL	ug/g	Wet Wt	1			7/29/1999	ICP, Hydride	VGICP_08-20-99	0820SEH	8/13/1999	8/20/1999	11:36	
Grazing	VJY99-86	V9903094	13	Steer 13	Serum	Primary	7782-49-2	Selenium	0.782	0.005	EDL	ug/g	Wet Wt	1			7/29/1999	ICP, Hydride	VGICP_08-20-99	0820SEH	8/13/1999	8/20/1999	11:39	
Grazing	VJY99-86	V9903095	14	Steer 14	Serum	Primary	7782-49-2	Selenium	0.575	0.005	EDL	ug/g	Wet Wt	1			7/29/1999	ICP, Hydride	VGICP_08-20-99	0820SEH	8/13/1999	8/20/1999	11:41	
Grazing	VJY99-86	V9903096	15	Steer 15	Serum	Primary	7782-49-2	Selenium	1.08	0.005	EDL	ug/g	Wet Wt	1			7/29/1999	ICP, Hydride	VGICP_08-20-99	0820SEH	8/13/1999	8/20/1999	11:44	
Grazing	VJY99-86	V9903067	1	Steer 01	Blood	Primary	7782-49-2	Selenium	1.31	0.005	EDL	ug/g	Wet Wt	1			7/29/1999	ICP, Hydride	VGICP_08-20-99	0820SEH	8/11/1999	8/19/1999	12:13	
Grazing	VJY99-86	V9903068	2	Steer 02	Blood	Primary	7782-49-2	Selenium	4.56	0.005	EDL	ug/g	Wet Wt	1			7/29/1999	ICP, Hydride	VGICP_08-20-99	0820SEH	8/11/1999	8/19/1999	12:16	
Grazing	VJY99-86	V9903069	3	Steer 03	Blood	Primary	7782-49-2	Selenium	3.57	0.005	EDL	ug/g	Wet Wt	1			7/29/1999	ICP, Hydride	VGICP_08-20-99	0820SEH	8/11/1999	8/19/1999	12:19	
Grazing	VJY99-86	V9903070	4	Steer 04	Blood	Primary	7782-49-2	Selenium	1.98	0.005	EDL	ug/g	Wet Wt	1			7/29/1999	ICP, Hydride	VGICP_08-20-99	0820SEH	8/11/1999	8/19/1999	12:21	
Grazing	VJY99-86	V9903071	5	Steer 05	Blood	Primary	7782-49-2	Selenium	1.08	0.005	EDL	ug/g	Wet Wt	1			7/29/1999	ICP, Hydride	VGICP_08-20-99	0820SEH	8/11/1999	8/19/1999	12:24	
Grazing	VJY99-86	V9903072	6	Steer 06	Blood	Primary	7782-49-2	Selenium	1.63	0.005	EDL	ug/g	Wet Wt	1			7/29/1999	ICP, Hydride	VGICP_08-20-99	0820SEH	8/11/1999	8/19/1999	12:27	
Grazing	VJY99-86	HRL2	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.405	0.005	EDL	ug/g	Wet Wt	1	0.446	91	NA	ICP, Hydride	VGICP_08-20-99	0820SEH	8/13/1999	8/20/1999	12:30	
Grazing	VJY99-86	APG 7878-1	APG 7878	NA	Lab QC	CCV	7439-98-7	Molybdenum	0.0976	0.007	EDL	ug/g	Wet Wt	1	0.0872	112	NA	ICPMS	ICPMS_08-25-99	082599MO	8/6/1999	8/25/1999	12:22	IRD
Grazing	VJY99-86	V9903067	1	Steer 01	Plasma	Primary	7439-98-7	Molybdenum	0.143	0.007	EDL	ug/g	Wet Wt	1			7/29/1999	ICPMS	ICPMS_08-25-99	082599MO	8/6/1999	8/25/1999	12:25	IRD
Grazing	VJY99-86	V9903068	2	Steer 02	Plasma	Primary	7439-98-7	Molybdenum	0.412	0.007	EDL	ug/g	Wet Wt	1			7/29/1999	ICPMS	ICPMS_08-25-99	082599MO	8/6/1999	8/25/1999	12:28	IRD
Grazing	VJY99-86	V9903069	3	Steer 03	Plasma	Primary	7439-98-7	Molybdenum	0.471	0.007	EDL	ug/g	Wet Wt	1			7/29/1999	ICPMS	ICPMS_08-25-99	082599MO	8/6/1999	8/25/1999	12:31	IRD
Grazing	VJY99-86	V9903070	4	Steer 04	Plasma	Primary	7439-98-7	Molybdenum	0.157	0.007	EDL	ug/g	Wet Wt	1			7/29/1999	ICPMS	ICPMS_08-25-99	082599MO	8/6/1999	8/25/1999	12:34	IRD
Grazing	VJY99-86	V9903071	5	Steer 05	Plasma	Primary	7439-98-7	Molybdenum	0.109	0.007	EDL	ug/g	Wet Wt	1			7/29/1999	ICPMS	ICPMS_08-25-99	082599MO	8/6/1999	8/25/1999	12:36	IRD
Grazing	VJY99-86	V9903072	6	Steer 06	Plasma	Primary	7439-98-7	Molybdenum	0.129	0.007	EDL	ug/g	Wet Wt	1			7/29/1999	ICPMS	ICPMS_08-25-99	082599MO	8/6/1999	8/25/1999	12:39	IRD
Grazing	VJY99-86	V9903073	7	Steer 07	Plasma	Primary	7439-98-7	Molybdenum	0.217	0.007	EDL	ug/g	Wet Wt	1			7/29/1999	ICPMS	ICPMS_08-25-99	082599MO	8/6/1999	8/25/1999	12:42	IRD
Grazing	VJY99-86	V9903074	8	Steer 08	Plasma	Primary	7439-98-7	Molybdenum	0.193	0.007	EDL	ug/g	Wet Wt	1			7/29/1999	ICPMS	ICPMS_08-25-99	082599MO	8/6/1999	8/25/1999	12:45	IRD
Grazing	VJY99-86	APG 7878-2	APG 7878	NA	Lab QC	CCV	7439-98-7	Molybdenum	0.0816	0.007	EDL	ug/g	Wet Wt	1	0.0872	94	NA	ICPMS	ICPMS_08-25-99	082599MO	8/6/1999	8/25/1999	12:47	IRD
Grazing	VJY99-86	V9903075	9	Steer 09	Plasma	Primary	7439-98-7	Molybdenum	0.2	0.007	EDL	ug/g	Wet Wt	1			7/29/1999	ICPMS	ICPMS_08-25-99	082599MO	8/6/1999	8/25/1999	12:50	IRD
Grazing	VJY99-86	V9903076	10	Steer 10	Plasma	Primary	7439-98-7	Molybdenum	0.171	0.007	EDL	ug/g	Wet Wt	1			7/29/1999	ICPMS	ICPMS_08-25-99	082599MO	8/6/1999	8/25/1999	12:53	IRD
Grazing	VJY99-86	V9903077	11	Steer 11	Plasma	Primary	7439-98-7	Molybdenum	0.356	0.007	EDL	ug/g	Wet Wt	1			7/29/1999	ICPMS	ICPMS_08-25-99	082599MO	8/6/1999	8/25/1999	12:56	IRD
Grazing	VJY99-86	V9903078	12	Steer 12	Plasma	Primary	7439-98-7	Molybdenum	0.3	0.007	EDL	ug/g	Wet Wt	1			7/29/1999	ICPMS	ICPMS_08-25-99	082599MO	8/6/1999	8/25/1999	12:58	IRD
Grazing	VJY99-86	V9903079	13	Steer 13	Plasma	Primary	7439-98-7	Molybdenum	0.081	0.007	EDL	ug/g	Wet Wt	1			7/29/1999	ICPMS	ICPMS_08-25-99	082599MO	8/6/1999	8/25/1999	13:01	IRD
Grazing	VJY99-86	V9903080	14	Steer 14	Plasma	Primary	7439-98-7	Molybdenum	0.081	0.007	EDL	ug/g	Wet Wt	1			7/29/1999	ICPMS	ICPMS_08-25-99	082599MO	8/6/1999	8/25/1999	13:04	IRD
Grazing	VJY99-86	V9903081	15	Steer 15	Plasma	Primary	7439-98-7	Molybdenum	0.474	0.007	EDL	ug/g	Wet Wt	1			7/29/1999	ICPMS	ICPMS_08-25-99	082599MO	8/6/1999	8/25/1999	13:07	IRD
Grazing	VJY99-86	APG 7878-3	APG 7878	NA	Lab QC	CCV	7439-98-7	Molybdenum	0.0857	0.007	EDL	ug/g	Wet Wt	1	0.0872	98	NA	ICPMS	ICPMS_08-25-99	082599MO	8/6/1999	8/25/1999	13:09	IRD
Grazing	VJY99-86	7140	Sigma S-7140	NA	Lab QC	CCV	9029-97-4	Zinc	1.21	0.080	EDL	ug/g	Wet Wt	1	1.3	93	NA	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	12:28	
Grazing	VJY99-86	7140	Sigma S-7140	NA	Lab QC	CCV	7803-51-2	Phosphorus	73.6	2.000	EDL	ug/g	Wet Wt	1	83.8	88	NA	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	12:28	
Grazing	VJY99-86	7140	Sigma S-7140	NA	Lab QC	CCV	8053-60-9	Iron	1.66	0.220	EDL	ug/g	Wet Wt	1	1.7	98	NA	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	12:28	
Grazing	VJY99-86	7140	Sigma S-7140	NA	Lab QC	CCV	7439-95-4	Magnesium	21.9	0.040	EDL	ug/g	Wet Wt	1	24.6	89	NA	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	12:28	
Grazing	VJY99-86	7140	Sigma S-7140	NA	Lab QC	CCV	7440-50-8	Copper	1.18	0.700	EDL	ug/g	Wet Wt	1	1.33	89	NA	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	12:28	
Grazing	VJY99-86	7140	Sigma S-7140	NA	Lab QC	CCV	8047-59-4	Calcium	104	0.070	EDL	ug/g	Wet Wt	1	109	95	NA	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	12:28	
Grazing	VJY99-86	V9903082	1	Steer 01	Serum	Primary	9029-97-4	Zinc	1.24	0.080	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	12:31	
Grazing	VJY99-86	V9903082	1	Steer 01	Serum	Primary	7803-51-2	Phosphorus	94.8	2.000	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	12:31	
Grazing	VJY99-86	V9903082	1	Steer 01	Serum	Primary	8053-60-9	Iron	2.04	0.220	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	12:31	
Grazing	VJY99-86	V9903082	1	Steer 01	Serum	Primary	7439-95-4	Magnesium	20.9	0.040	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	12:31	
Grazing	VJY99-86	V9903082	1	Steer 01	Serum	Primary	7440-50-8	Copper	0.503	0.700	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	12:31	
Grazing	VJY99-86	V9903082	1	Steer 01	Serum	Primary	8047-59-4	Calcium	101	0.070	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	12:31	
Grazing	VJY99-86	V9903083	2	Steer 02	Serum	Primary	9029-97-4	Zinc	1.42	0.080	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	12:34	
Grazing	VJY99-86	V9903083	2	Steer 02	Serum	Primary	7803-51-2	Phosphorus	65.4	2.000	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	12:34	
Grazing	VJY99-86	V9903083	2	Steer 02	Serum	Primary	8053-60-9	Iron	1.96	0.220	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	12:34	
Grazing	VJY99-86	V9903083	2	Steer 02	Serum	Primary	7439-95-4	Magnesium	19.8	0.040	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	12:34	
Grazing	VJY99-86	V9903083	2	Steer 02	Serum	Primary	7440-50-8	Copper	0.4	0.700	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	12:34	
Grazing	VJY99-86	V9903083	2	Steer 02	Serum	Primary	8047-59-4	Calcium	107	0.070	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	12:34	
Grazing	VJY99-86	V9903084	3	Steer 03	Serum	Primary	9029-97-4	Zinc	1.24	0.080	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	12:37	
Grazing	VJY99-86	V9903084	3	Steer 03	Serum	Primary	7803-51-2	Phosphorus	66.7	2.000	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	12:37	
Grazing	VJY99-86	V9903084	3	Steer 03	Serum	Primary	8053-60-9	Iron	2.04	0.220	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	12:37	
Grazing	VJY99-86	V9903084	3	Steer 03	Serum	Primary	7439-95-4	Magnesium	23.6	0.040	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	12:37	
Grazing	VJY99-86	V9903084	3	Steer 03	Serum	Primary	7440-50-8	Copper	0.695	0.700	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	12:37	
Grazing	VJY99-86	V9903084	3	Steer 03	Serum	Primary	8047-59-4	Calcium	109	0.070	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	12:37	
Grazing	VJY99-86	V9903085	4	Steer 04	Serum	Primary	9029-97-4	Zinc	1.59	0.080	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	12:40	
Grazing	VJY99-86	V9903085	4	Steer 04	Serum	Primary	7803-51-2	Phosphorus	63.6	2.000	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	12:40	
Grazing	VJY99-86	V9903085	4	Steer 04	Serum	Primary	8053-60-9	Iron	1.43	0.220	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	12:40	
Grazing	VJY99-86	V9903085	4	Steer 04	Serum	Primary	7439-95-4	Magnesium	19.3	0.040	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	12:40	
Grazing	VJY99-86	V9903085	4	Steer 04	Serum	Primary	7440-50-8	Copper	0.809	0.700	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	12:40	

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Grazing	VJY99-86	V9903085	4	Steer 04	Serum	Primary	8047-59-4	Calcium	108	0.070	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	12:40	
Grazing	VJY99-86	V9903086	5	Steer 05	Serum	Primary	9029-97-4	Zinc	1.09	0.080	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	12:43	
Grazing	VJY99-86	V9903086	5	Steer 05	Serum	Primary	7803-51-2	Phosphorus	75.9	2.000	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	12:43	
Grazing	VJY99-86	V9903086	5	Steer 05	Serum	Primary	8053-60-9	Iron	0.694	0.220	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	12:43	
Grazing	VJY99-86	V9903086	5	Steer 05	Serum	Primary	7439-95-4	Magnesium	17.7	0.040	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	12:43	
Grazing	VJY99-86	V9903086	5	Steer 05	Serum	Primary	7440-50-8	Copper	0.851	0.700	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	12:43	
Grazing	VJY99-86	V9903086	5	Steer 05	Serum	Primary	8047-59-4	Calcium	105	0.070	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	12:43	
Grazing	VJY99-86	V9903087	6	Steer 06	Serum	Primary	9029-97-4	Zinc	0.915	0.080	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	12:46	
Grazing	VJY99-86	V9903087	6	Steer 06	Serum	Primary	7803-51-2	Phosphorus	70.9	2.000	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	12:46	
Grazing	VJY99-86	V9903087	6	Steer 06	Serum	Primary	8053-60-9	Iron	1.41	0.220	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	12:46	
Grazing	VJY99-86	V9903087	6	Steer 06	Serum	Primary	7439-95-4	Magnesium	21.7	0.040	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	12:46	
Grazing	VJY99-86	V9903087	6	Steer 06	Serum	Primary	7440-50-8	Copper	0.605	0.700	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	12:46	
Grazing	VJY99-86	V9903087	6	Steer 06	Serum	Primary	8047-59-4	Calcium	107	0.070	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	12:46	
Grazing	VJY99-86	V9903088	7	Steer 07	Serum	Primary	9029-97-4	Zinc	1.62	0.080	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	12:49	
Grazing	VJY99-86	V9903088	7	Steer 07	Serum	Primary	7803-51-2	Phosphorus	68	2.000	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	12:49	
Grazing	VJY99-86	V9903088	7	Steer 07	Serum	Primary	8053-60-9	Iron	1.38	0.220	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	12:49	
Grazing	VJY99-86	V9903088	7	Steer 07	Serum	Primary	7439-95-4	Magnesium	20.4	0.040	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	12:49	
Grazing	VJY99-86	V9903088	7	Steer 07	Serum	Primary	7440-50-8	Copper	0.718	0.700	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	12:49	
Grazing	VJY99-86	V9903088	7	Steer 07	Serum	Primary	8047-59-4	Calcium	104	0.070	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	12:49	
Grazing	VJY99-86	V9903089	8	Steer 08	Serum	Primary	9029-97-4	Zinc	1.32	0.080	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	12:52	
Grazing	VJY99-86	V9903089	8	Steer 08	Serum	Primary	7803-51-2	Phosphorus	70.9	2.000	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	12:52	
Grazing	VJY99-86	V9903089	8	Steer 08	Serum	Primary	8053-60-9	Iron	1.16	0.220	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	12:52	
Grazing	VJY99-86	V9903089	8	Steer 08	Serum	Primary	7439-95-4	Magnesium	20	0.040	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	12:52	
Grazing	VJY99-86	V9903089	8	Steer 08	Serum	Primary	7440-50-8	Copper	0.727	0.700	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	12:52	
Grazing	VJY99-86	V9903089	8	Steer 08	Serum	Primary	8047-59-4	Calcium	107	0.070	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	12:52	
Grazing	VJY99-86	V9903090	9	Steer 09	Serum	Primary	9029-97-4	Zinc	1.45	0.080	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	12:55	
Grazing	VJY99-86	V9903090	9	Steer 09	Serum	Primary	7803-51-2	Phosphorus	81.4	2.000	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	12:55	
Grazing	VJY99-86	V9903090	9	Steer 09	Serum	Primary	8053-60-9	Iron	1.69	0.220	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	12:55	
Grazing	VJY99-86	V9903090	9	Steer 09	Serum	Primary	7439-95-4	Magnesium	21.2	0.040	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	12:55	
Grazing	VJY99-86	V9903090	9	Steer 09	Serum	Primary	7440-50-8	Copper	0.83	0.700	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	12:55	
Grazing	VJY99-86	V9903090	9	Steer 09	Serum	Primary	8047-59-4	Calcium	98.6	0.070	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	12:55	
Grazing	VJY99-86	V9903091	10	Steer 10	Serum	Primary	9029-97-4	Zinc	1.29	0.080	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	12:58	
Grazing	VJY99-86	V9903091	10	Steer 10	Serum	Primary	7803-51-2	Phosphorus	63.4	2.000	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	12:58	
Grazing	VJY99-86	V9903091	10	Steer 10	Serum	Primary	8053-60-9	Iron	1.46	0.220	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	12:58	
Grazing	VJY99-86	V9903091	10	Steer 10	Serum	Primary	7439-95-4	Magnesium	22.5	0.040	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	12:58	
Grazing	VJY99-86	V9903091	10	Steer 10	Serum	Primary	7440-50-8	Copper	0.905	0.700	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	12:58	
Grazing	VJY99-86	V9903091	10	Steer 10	Serum	Primary	8047-59-4	Calcium	107	0.070	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	12:58	
Grazing	VJY99-86	V9903092	11	Steer 11	Serum	Primary	9029-97-4	Zinc	1.47	0.080	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	13:01	
Grazing	VJY99-86	V9903092	11	Steer 11	Serum	Primary	7803-51-2	Phosphorus	64.8	2.000	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	13:01	
Grazing	VJY99-86	V9903092	11	Steer 11	Serum	Primary	8053-60-9	Iron	1.69	0.220	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	13:01	
Grazing	VJY99-86	V9903092	11	Steer 11	Serum	Primary	7439-95-4	Magnesium	22.4	0.040	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	13:01	
Grazing	VJY99-86	V9903092	11	Steer 11	Serum	Primary	7440-50-8	Copper	0.663	0.700	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	13:01	
Grazing	VJY99-86	V9903092	11	Steer 11	Serum	Primary	8047-59-4	Calcium	101	0.070	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	13:01	
Grazing	VJY99-86	V9903093	12	Steer 12	Serum	Primary	9029-97-4	Zinc	1.09	0.080	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	13:03	
Grazing	VJY99-86	V9903093	12	Steer 12	Serum	Primary	7803-51-2	Phosphorus	81.9	2.000	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	13:03	
Grazing	VJY99-86	V9903093	12	Steer 12	Serum	Primary	8053-60-9	Iron	1.25	0.220	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	13:03	
Grazing	VJY99-86	V9903093	12	Steer 12	Serum	Primary	7439-95-4	Magnesium	22.5	0.040	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	13:03	
Grazing	VJY99-86	V9903093	12	Steer 12	Serum	Primary	7440-50-8	Copper	0.876	0.700	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	13:03	
Grazing	VJY99-86	V9903093	12	Steer 12	Serum	Primary	8047-59-4	Calcium	108	0.070	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	13:03	
Grazing	VJY99-86	V9903094	13	Steer 13	Serum	Primary	9029-97-4	Zinc	1.13	0.080	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	13:06	
Grazing	VJY99-86	V9903094	13	Steer 13	Serum	Primary	7803-51-2	Phosphorus	52.2	2.000	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	13:06	
Grazing	VJY99-86	V9903094	13	Steer 13	Serum	Primary	8053-60-9	Iron	1.72	0.220	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	13:06	
Grazing	VJY99-86	V9903094	13	Steer 13	Serum	Primary	7439-95-4	Magnesium	20.4	0.040	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	13:06	
Grazing	VJY99-86	V9903094	13	Steer 13	Serum	Primary	7440-50-8	Copper	0.822	0.700	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	13:06	
Grazing	VJY99-86	V9903094	13	Steer 13	Serum	Primary	8047-59-4	Calcium	106	0.070	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	13:06	
Grazing	VJY99-86	V9903095	14	Steer 14	Serum	Primary	9029-97-4	Zinc	1.17	0.080	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	13:09	
Grazing	VJY99-86	V9903095	14	Steer 14	Serum	Primary	7803-51-2	Phosphorus	80.7	2.000	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	13:09	
Grazing	VJY99-86	V9903095	14	Steer 14	Serum	Primary	8053-60-9	Iron	1.9	0.220	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	13:09	

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Grazing	VJY99-86	V9903095	14	Steer 14	Serum	Primary	7439-95-4	Magnesium	20	0.040	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	13:09	
Grazing	VJY99-86	V9903095	14	Steer 14	Serum	Primary	7440-50-8	Copper	0.545	0.700	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	13:09	
Grazing	VJY99-86	V9903095	14	Steer 14	Serum	Primary	8047-59-4	Calcium	102	0.070	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	13:09	
Grazing	VJY99-86	V9903096	15	Steer 15	Serum	Primary	9029-97-4	Zinc	1.36	0.080	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	13:12	
Grazing	VJY99-86	V9903096	15	Steer 15	Serum	Primary	7803-51-2	Phosphorus	85.9	2.000	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	13:12	
Grazing	VJY99-86	V9903096	15	Steer 15	Serum	Primary	8053-60-9	Iron	1.21	0.220	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	13:12	
Grazing	VJY99-86	V9903096	15	Steer 15	Serum	Primary	7439-95-4	Magnesium	20.5	0.040	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	13:12	
Grazing	VJY99-86	V9903096	15	Steer 15	Serum	Primary	7440-50-8	Copper	0.651	0.700	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	13:12	
Grazing	VJY99-86	V9903096	15	Steer 15	Serum	Primary	8047-59-4	Calcium	101	0.070	EDL	ug/g	Wet Wt	1			7/29/1999	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	13:12	
Grazing	VJY99-86	7140-1	Sigma S-7140	NA	Lab QC	CCV	9029-97-4	Zinc	1.18	0.080	EDL	ug/g	Wet Wt	1	1.3	91	NA	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	13:15	
Grazing	VJY99-86	7140-1	Sigma S-7140	NA	Lab QC	CCV	7803-51-2	Phosphorus	70.8	2.000	EDL	ug/g	Wet Wt	1	83.8	84	NA	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	13:15	
Grazing	VJY99-86	7140-1	Sigma S-7140	NA	Lab QC	CCV	8053-60-9	Iron	1.82	0.220	EDL	ug/g	Wet Wt	1	1.7	107	NA	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	13:15	
Grazing	VJY99-86	7140-1	Sigma S-7140	NA	Lab QC	CCV	7439-95-4	Magnesium	22.3	0.040	EDL	ug/g	Wet Wt	1	24.6	91	NA	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	13:15	
Grazing	VJY99-86	7140-1	Sigma S-7140	NA	Lab QC	CCV	7440-50-8	Copper	1.2	0.700	EDL	ug/g	Wet Wt	1	1.33	90	NA	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	13:15	
Grazing	VJY99-86	7140-1	Sigma S-7140	NA	Lab QC	CCV	8047-59-4	Calcium	103	0.070	EDL	ug/g	Wet Wt	1	109	94	NA	ICP - TES	TESICP_08-10-99	0810TES2	8/10/1999	8/10/1999	13:15	
Grazing	VAG99-43	HRL1	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.458	0.005	EDL	ug/g	Wet Wt	1	0.446	103	NA	ICP, Hydride	VGICP_08-31-99	0826SEH	8/29/1999	8/31/1999	9:12	
Grazing	VAG99-43	V9903219	1	Steer 01	Serum	Primary	7782-49-2	Selenium	0.663	0.005	EDL	ug/g	Wet Wt	1			8/16/1999	ICP, Hydride	VGICP_08-31-99	0826SEH	8/29/1999	8/31/1999	9:15	
Grazing	VAG99-43	V9903220	2	Steer 02	Serum	Primary	7782-49-2	Selenium	1.5	0.005	EDL	ug/g	Wet Wt	1			8/16/1999	ICP, Hydride	VGICP_08-31-99	0826SEH	8/29/1999	8/31/1999	9:18	
Grazing	VAG99-43	V9903221	3	Steer 03	Serum	Primary	7782-49-2	Selenium	1.69	0.005	EDL	ug/g	Wet Wt	1			8/16/1999	ICP, Hydride	VGICP_08-31-99	0826SEH	8/29/1999	8/31/1999	9:21	
Grazing	VAG99-43	V9903222	4	Steer 04	Serum	Primary	7782-49-2	Selenium	2.11	0.005	EDL	ug/g	Wet Wt	1			8/16/1999	ICP, Hydride	VGICP_08-31-99	0826SEH	8/29/1999	8/31/1999	9:24	
Grazing	VAG99-43	V9903223	5	Steer 05	Serum	Primary	7782-49-2	Selenium	0.948	0.005	EDL	ug/g	Wet Wt	1			8/16/1999	ICP, Hydride	VGICP_08-31-99	0826SEH	8/29/1999	8/31/1999	9:27	
Grazing	VAG99-43	V9903224	6	Steer 06	Serum	Primary	7782-49-2	Selenium	1.57	0.005	EDL	ug/g	Wet Wt	1			8/16/1999	ICP, Hydride	VGICP_08-31-99	0826SEH	8/29/1999	8/31/1999	9:30	
Grazing	VAG99-43	V9903225	7	Steer 07	Serum	Primary	7782-49-2	Selenium	1.78	0.005	EDL	ug/g	Wet Wt	1			8/16/1999	ICP, Hydride	VGICP_08-31-99	0826SEH	8/29/1999	8/31/1999	9:33	
Grazing	VAG99-43	V9903226	8	Steer 08	Serum	Primary	7782-49-2	Selenium	0.613	0.005	EDL	ug/g	Wet Wt	1			8/16/1999	ICP, Hydride	VGICP_08-31-99	0826SEH	8/29/1999	8/31/1999	9:35	
Grazing	VAG99-43	V9903227	9	Steer 09	Serum	Primary	7782-49-2	Selenium	1.85	0.005	EDL	ug/g	Wet Wt	1			8/16/1999	ICP, Hydride	VGICP_08-31-99	0826SEH	8/29/1999	8/31/1999	9:38	
Grazing	VAG99-43	V9903228	10	Steer 10	Serum	Primary	7782-49-2	Selenium	1.42	0.005	EDL	ug/g	Wet Wt	1			8/16/1999	ICP, Hydride	VGICP_08-31-99	0826SEH	8/29/1999	8/31/1999	9:41	
Grazing	VAG99-43	V9903229	11	Steer 11	Serum	Primary	7782-49-2	Selenium	0.741	0.005	EDL	ug/g	Wet Wt	1			8/16/1999	ICP, Hydride	VGICP_08-31-99	0826SEH	8/29/1999	8/31/1999	9:44	
Grazing	VAG99-43	V9903230	12	Steer 12	Serum	Primary	7782-49-2	Selenium	0.956	0.005	EDL	ug/g	Wet Wt	1			8/16/1999	ICP, Hydride	VGICP_08-31-99	0826SEH	8/29/1999	8/31/1999	9:47	
Grazing	VAG99-43	V9903231	13	Steer 13	Serum	Primary	7782-49-2	Selenium	1.4	0.005	EDL	ug/g	Wet Wt	1			8/16/1999	ICP, Hydride	VGICP_08-31-99	0826SEH	8/29/1999	8/31/1999	9:50	
Grazing	VAG99-43	V9903232	14	Steer 14	Serum	Primary	7782-49-2	Selenium	1.71	0.005	EDL	ug/g	Wet Wt	1			8/16/1999	ICP, Hydride	VGICP_08-31-99	0826SEH	8/29/1999	8/31/1999	9:53	
Grazing	VAG99-43	V9903233	15	Steer 15	Serum	Primary	7782-49-2	Selenium	1.53	0.005	EDL	ug/g	Wet Wt	1			8/16/1999	ICP, Hydride	VGICP_08-31-99	0826SEH	8/29/1999	8/31/1999	9:55	
Grazing	VAG99-43	HRL2	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.497	0.005	EDL	ug/g	Wet Wt	1	0.446	111	NA	ICP, Hydride	VGICP_08-31-99	0826SEH	8/29/1999	8/31/1999	9:58	
Grazing	VAG99-43	HRL	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.392	0.005	EDL	ug/g	Wet Wt	1	0.446	88	NA	ICP, Hydride	VGICP_09-07-99	0907SEH	8/24/1999	9/7/1999	10:52	
Grazing	VAG99-43	V9903234	1	Steer 01	Blood	Primary	7782-49-2	Selenium	1.17	0.005	EDL	ug/g	Wet Wt	1			8/16/1999	ICP, Hydride	VGICP_09-07-99	0907SEH	8/24/1999	9/7/1999	10:55	
Grazing	VAG99-43	V9903235	2	Steer 02	Blood	Primary	7782-49-2	Selenium	3.4	0.005	EDL	ug/g	Wet Wt	1			8/16/1999	ICP, Hydride	VGICP_09-07-99	0907SEH	8/24/1999	9/7/1999	10:58	
Grazing	VAG99-43	V9903236	3	Steer 03	Blood	Primary	7782-49-2	Selenium	3.49	0.005	EDL	ug/g	Wet Wt	1			8/16/1999	ICP, Hydride	VGICP_09-07-99	0907SEH	8/24/1999	9/7/1999	11:01	
Grazing	VAG99-43	V9903237	4	Steer 04	Blood	Primary	7782-49-2	Selenium	2.47	0.005	EDL	ug/g	Wet Wt	1			8/16/1999	ICP, Hydride	VGICP_09-07-99	0907SEH	8/24/1999	9/7/1999	11:04	
Grazing	VAG99-43	V9903238	5	Steer 05	Blood	Primary	7782-49-2	Selenium	1.38	0.005	EDL	ug/g	Wet Wt	1			8/16/1999	ICP, Hydride	VGICP_09-07-99	0907SEH	8/24/1999	9/7/1999	11:07	
Grazing	VAG99-43	V9903239	6	Steer 06	Blood	Primary	7782-49-2	Selenium	2.48	0.005	EDL	ug/g	Wet Wt	1			8/16/1999	ICP, Hydride	VGICP_09-07-99	0907SEH	8/24/1999	9/7/1999	11:10	
Grazing	VAG99-43	V9903240	7	Steer 07	Blood	Primary	7782-49-2	Selenium	2.47	0.005	EDL	ug/g	Wet Wt	1			8/16/1999	ICP, Hydride	VGICP_09-07-99	0907SEH	8/24/1999	9/7/1999	11:13	
Grazing	VAG99-43	V9903241	8	Steer 08	Blood	Primary	7782-49-2	Selenium	1.15	0.005	EDL	ug/g	Wet Wt	1			8/16/1999	ICP, Hydride	VGICP_09-07-99	0907SEH	8/24/1999	9/7/1999	11:15	
Grazing	VAG99-43	V9903242	9	Steer 09	Blood	Primary	7782-49-2	Selenium	2.58	0.005	EDL	ug/g	Wet Wt	1			8/16/1999	ICP, Hydride	VGICP_09-07-99	0907SEH	8/24/1999	9/7/1999	11:18	
Grazing	VAG99-43	V9903243	10	Steer 10	Blood	Primary	7782-49-2	Selenium	2.35	0.005	EDL	ug/g	Wet Wt	1			8/16/1999	ICP, Hydride	VGICP_09-07-99	0907SEH	8/24/1999	9/7/1999	11:21	
Grazing	VAG99-43	V9903244	11	Steer 11	Blood	Primary	7782-49-2	Selenium	1.74	0.005	EDL	ug/g	Wet Wt	1			8/16/1999	ICP, Hydride	VGICP_09-07-99	0907SEH	8/24/1999	9/7/1999	11:24	
Grazing	VAG99-43	V9903245	12	Steer 12	Blood	Primary	7782-49-2	Selenium	1.73	0.005	EDL	ug/g	Wet Wt	1			8/16/1999	ICP, Hydride	VGICP_09-07-99	0907SEH	8/24/1999	9/7/1999	11:27	
Grazing	VAG99-43	V9903246	13	Steer 13	Blood	Primary	7782-49-2	Selenium	2.01	0.005	EDL	ug/g	Wet Wt	1			8/16/1999	ICP, Hydride	VGICP_09-07-99	0907SEH	8/24/1999	9/7/1999	11:30	
Grazing	VAG99-43	V9903247	14	Steer 14	Blood	Primary	7782-49-2	Selenium	1.99	0.005	EDL	ug/g	Wet Wt	1			8/16/1999	ICP, Hydride	VGICP_09-07-99	0907SEH	8/24/1999	9/7/1999	11:32	
Grazing	VAG99-43	V9903248	15	Steer 15	Blood	Primary	7782-49-2	Selenium	2.64	0.005	EDL	ug/g	Wet Wt	1			8/16/1999	ICP, Hydride	VGICP_09-07-99	0907SEH	8/24/1999	9/7/1999	11:35	
Grazing	VAG99-43	HRL1	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.477	0.005	EDL	ug/g	Wet Wt	1	0.446	107	NA	ICP, Hydride	VGICP_09-07-99	0907SEH	8/24/1999	9/7/1999	11:38	
Grazing	VAG99-43	7140-2	Sigma S-7140	NA	Lab QC	CCV	9029-97-4	Zinc	1.31	0.080	EDL	ug/g	Wet Wt	1	1.3	101	NA	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	11:31	
Grazing	VAG99-43	7140-2	Sigma S-7140	NA	Lab QC	CCV	7803-51-2	Phosphorus	75.4	2.000	EDL	ug/g	Wet Wt	1	83.8	90	NA	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	11:31	
Grazing	VAG99-43	7140-2	Sigma S-7140	NA	Lab QC	CCV	8053-60-9	Iron	1.74	0.220	EDL	ug/g	Wet Wt	1	1.7	102	NA	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	11:31	
Grazing	VAG99-43	7140-2	Sigma S-7140	NA	Lab QC	CCV	7439-95-4	Magnesium	23.5	0.040	EDL	ug/g	Wet Wt	1	24.6	96	NA	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	11:31	
Grazing	VAG99-43	7140-2	Sigma S-7140	NA	Lab QC	CCV	7440-50-8	Copper	1.3	0.700	EDL	ug/g	Wet Wt	1	1.33	98	NA	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	11:31	
Grazing	VAG99-43	7140-2	Sigma S-7140	NA	Lab QC	CCV	8047-59-4	Calcium	108	0.070	EDL	ug/g	Wet Wt	1	109	99	NA	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	11:31	
Grazing	VAG99-43	V9903219	1	Steer 01	Serum	Primary	9029-97-4	Zinc	1.81	0.080	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	11:46	
Grazing	VAG99-43	V9903219	1	Steer 01	Serum	Primary	7803-51-2	Phosphorus	79.4	2.000	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	11:46	
Grazing	VAG99-43	V9903219	1	Steer 01	Serum	Primary	8053-60-9	Iron	1.99	0.220	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	11:46	

MWH EDD - 1999 - 2000 CATTLE TISSUE AND BLOOD DATA

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Grazing	VAG99-43	V9903219	1	Steer 01	Serum	Primary	7439-95-4	Magnesium	22.5	0.040	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	11:46	
Grazing	VAG99-43	V9903219	1	Steer 01	Serum	Primary	7440-50-8	Copper	0.459	0.700	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	11:46	
Grazing	VAG99-43	V9903219	1	Steer 01	Serum	Primary	8047-59-4	Calcium	110	0.070	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	11:46	
Grazing	VAG99-43	V9903220	2	Steer 02	Serum	Primary	9029-97-4	Zinc	1.47	0.080	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	11:49	
Grazing	VAG99-43	V9903220	2	Steer 02	Serum	Primary	7803-51-2	Phosphorus	73	2.000	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	11:49	
Grazing	VAG99-43	V9903220	2	Steer 02	Serum	Primary	8053-60-9	Iron	1.82	0.220	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	11:49	
Grazing	VAG99-43	V9903220	2	Steer 02	Serum	Primary	7439-95-4	Magnesium	22.1	0.040	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	11:49	
Grazing	VAG99-43	V9903220	2	Steer 02	Serum	Primary	7440-50-8	Copper	0.411	0.700	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	11:49	
Grazing	VAG99-43	V9903220	2	Steer 02	Serum	Primary	8047-59-4	Calcium	121	0.070	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	11:49	
Grazing	VAG99-43	V9903221	3	Steer 03	Serum	Primary	9029-97-4	Zinc	1.34	0.080	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	11:52	
Grazing	VAG99-43	V9903221	3	Steer 03	Serum	Primary	7803-51-2	Phosphorus	74.7	2.000	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	11:52	
Grazing	VAG99-43	V9903221	3	Steer 03	Serum	Primary	8053-60-9	Iron	1.67	0.220	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	11:52	
Grazing	VAG99-43	V9903221	3	Steer 03	Serum	Primary	7439-95-4	Magnesium	23.9	0.040	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	11:52	
Grazing	VAG99-43	V9903221	3	Steer 03	Serum	Primary	7440-50-8	Copper	0.63	0.700	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	11:52	
Grazing	VAG99-43	V9903221	3	Steer 03	Serum	Primary	8047-59-4	Calcium	110	0.070	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	11:52	
Grazing	VAG99-43	V9903222	4	Steer 04	Serum	Primary	9029-97-4	Zinc	1.79	0.080	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	11:55	
Grazing	VAG99-43	V9903222	4	Steer 04	Serum	Primary	7803-51-2	Phosphorus	103	2.000	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	11:55	
Grazing	VAG99-43	V9903222	4	Steer 04	Serum	Primary	8053-60-9	Iron	1.52	0.220	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	11:55	
Grazing	VAG99-43	V9903222	4	Steer 04	Serum	Primary	7439-95-4	Magnesium	20.7	0.040	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	11:55	
Grazing	VAG99-43	V9903222	4	Steer 04	Serum	Primary	7440-50-8	Copper	0.718	0.700	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	11:55	
Grazing	VAG99-43	V9903222	4	Steer 04	Serum	Primary	8047-59-4	Calcium	110	0.070	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	11:55	
Grazing	VAG99-43	V9903223	5	Steer 05	Serum	Primary	9029-97-4	Zinc	1.45	0.080	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	11:58	
Grazing	VAG99-43	V9903223	5	Steer 05	Serum	Primary	7803-51-2	Phosphorus	88.8	2.000	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	11:58	
Grazing	VAG99-43	V9903223	5	Steer 05	Serum	Primary	8053-60-9	Iron	2.02	0.220	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	11:58	
Grazing	VAG99-43	V9903223	5	Steer 05	Serum	Primary	7439-95-4	Magnesium	21.6	0.040	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	11:58	
Grazing	VAG99-43	V9903223	5	Steer 05	Serum	Primary	7440-50-8	Copper	0.8	0.700	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	11:58	
Grazing	VAG99-43	V9903223	5	Steer 05	Serum	Primary	8047-59-4	Calcium	118	0.070	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	11:58	
Grazing	VAG99-43	V9903224	6	Steer 06	Serum	Primary	9029-97-4	Zinc	1.57	0.080	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	12:01	
Grazing	VAG99-43	V9903224	6	Steer 06	Serum	Primary	7803-51-2	Phosphorus	106	2.000	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	12:01	
Grazing	VAG99-43	V9903224	6	Steer 06	Serum	Primary	8053-60-9	Iron	1.3	0.220	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	12:01	
Grazing	VAG99-43	V9903224	6	Steer 06	Serum	Primary	7439-95-4	Magnesium	21.3	0.040	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	12:01	
Grazing	VAG99-43	V9903224	6	Steer 06	Serum	Primary	7440-50-8	Copper	0.674	0.700	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	12:01	
Grazing	VAG99-43	V9903224	6	Steer 06	Serum	Primary	8047-59-4	Calcium	105	0.070	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	12:01	
Grazing	VAG99-43	V9903225	7	Steer 07	Serum	Primary	9029-97-4	Zinc	1.53	0.080	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	12:04	
Grazing	VAG99-43	V9903225	7	Steer 07	Serum	Primary	7803-51-2	Phosphorus	80.4	2.000	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	12:04	
Grazing	VAG99-43	V9903225	7	Steer 07	Serum	Primary	8053-60-9	Iron	0.846	0.220	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	12:04	
Grazing	VAG99-43	V9903225	7	Steer 07	Serum	Primary	7439-95-4	Magnesium	22.8	0.040	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	12:04	
Grazing	VAG99-43	V9903225	7	Steer 07	Serum	Primary	7440-50-8	Copper	0.713	0.700	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	12:04	
Grazing	VAG99-43	V9903225	7	Steer 07	Serum	Primary	8047-59-4	Calcium	110	0.070	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	12:04	
Grazing	VAG99-43	V9903226	8	Steer 08	Serum	Primary	9029-97-4	Zinc	1.7	0.080	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	12:07	
Grazing	VAG99-43	V9903226	8	Steer 08	Serum	Primary	7803-51-2	Phosphorus	80.1	2.000	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	12:07	
Grazing	VAG99-43	V9903226	8	Steer 08	Serum	Primary	8053-60-9	Iron	1.49	0.220	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	12:07	
Grazing	VAG99-43	V9903226	8	Steer 08	Serum	Primary	7439-95-4	Magnesium	24	0.040	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	12:07	
Grazing	VAG99-43	V9903226	8	Steer 08	Serum	Primary	7440-50-8	Copper	0.712	0.700	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	12:07	
Grazing	VAG99-43	V9903226	8	Steer 08	Serum	Primary	8047-59-4	Calcium	113	0.070	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	12:07	
Grazing	VAG99-43	V9903227	9	Steer 09	Serum	Primary	9029-97-4	Zinc	1.44	0.080	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	12:10	
Grazing	VAG99-43	V9903227	9	Steer 09	Serum	Primary	7803-51-2	Phosphorus	98	2.000	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	12:10	
Grazing	VAG99-43	V9903227	9	Steer 09	Serum	Primary	8053-60-9	Iron	1.35	0.220	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	12:10	
Grazing	VAG99-43	V9903227	9	Steer 09	Serum	Primary	7439-95-4	Magnesium	21.2	0.040	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	12:10	
Grazing	VAG99-43	V9903227	9	Steer 09	Serum	Primary	7440-50-8	Copper	0.64	0.700	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	12:10	
Grazing	VAG99-43	V9903227	9	Steer 09	Serum	Primary	8047-59-4	Calcium	103	0.070	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	12:10	
Grazing	VAG99-43	V9903228	10	Steer 10	Serum	Primary	9029-97-4	Zinc	1.31	0.080	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	12:13	
Grazing	VAG99-43	V9903228	10	Steer 10	Serum	Primary	7803-51-2	Phosphorus	69.6	2.000	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	12:13	
Grazing	VAG99-43	V9903228	10	Steer 10	Serum	Primary	8053-60-9	Iron	1.49	0.220	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	12:13	
Grazing	VAG99-43	V9903228	10	Steer 10	Serum	Primary	7439-95-4	Magnesium	21.4	0.040	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	12:13	
Grazing	VAG99-43	V9903228	10	Steer 10	Serum	Primary	7440-50-8	Copper	0.835	0.700	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	12:13	
Grazing	VAG99-43	V9903228	10	Steer 10	Serum	Primary	8047-59-4	Calcium	113	0.070	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	12:13	
Grazing	VAG99-43	V9903229	11	Steer 11	Serum	Primary	9029-97-4	Zinc	1.91	0.080	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	12:16	

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Grazing	VAG99-43	V9903229	11	Steer 11	Serum	Primary	7803-51-2	Phosphorus	64.6	2.000	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	12:16	
Grazing	VAG99-43	V9903229	11	Steer 11	Serum	Primary	8053-60-9	Iron	1.6	0.220	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	12:16	
Grazing	VAG99-43	V9903229	11	Steer 11	Serum	Primary	7439-95-4	Magnesium	21.6	0.040	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	12:16	
Grazing	VAG99-43	V9903229	11	Steer 11	Serum	Primary	7440-50-8	Copper	0.609	0.700	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	12:16	
Grazing	VAG99-43	V9903229	11	Steer 11	Serum	Primary	8047-59-4	Calcium	107	0.070	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	12:16	
Grazing	VAG99-43	V9903230	12	Steer 12	Serum	Primary	9029-97-4	Zinc	1.39	0.080	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	12:19	
Grazing	VAG99-43	V9903230	12	Steer 12	Serum	Primary	7803-51-2	Phosphorus	82.7	2.000	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	12:19	
Grazing	VAG99-43	V9903230	12	Steer 12	Serum	Primary	8053-60-9	Iron	1.59	0.220	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	12:19	
Grazing	VAG99-43	V9903230	12	Steer 12	Serum	Primary	7439-95-4	Magnesium	22.3	0.040	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	12:19	
Grazing	VAG99-43	V9903230	12	Steer 12	Serum	Primary	7440-50-8	Copper	0.792	0.700	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	12:19	
Grazing	VAG99-43	V9903230	12	Steer 12	Serum	Primary	8047-59-4	Calcium	113	0.070	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	12:19	
Grazing	VAG99-43	V9903231	13	Steer 13	Serum	Primary	9029-97-4	Zinc	1.5	0.080	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	12:22	
Grazing	VAG99-43	V9903231	13	Steer 13	Serum	Primary	7803-51-2	Phosphorus	82.8	2.000	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	12:22	
Grazing	VAG99-43	V9903231	13	Steer 13	Serum	Primary	8053-60-9	Iron	1.47	0.220	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	12:22	
Grazing	VAG99-43	V9903231	13	Steer 13	Serum	Primary	7439-95-4	Magnesium	17.8	0.040	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	12:22	
Grazing	VAG99-43	V9903231	13	Steer 13	Serum	Primary	7440-50-8	Copper	0.795	0.700	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	12:22	
Grazing	VAG99-43	V9903231	13	Steer 13	Serum	Primary	8047-59-4	Calcium	104	0.070	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	12:22	
Grazing	VAG99-43	V9903232	14	Steer 14	Serum	Primary	9029-97-4	Zinc	1.76	0.080	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	12:25	
Grazing	VAG99-43	V9903232	14	Steer 14	Serum	Primary	7803-51-2	Phosphorus	78.4	2.000	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	12:25	
Grazing	VAG99-43	V9903232	14	Steer 14	Serum	Primary	8053-60-9	Iron	1.13	0.220	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	12:25	
Grazing	VAG99-43	V9903232	14	Steer 14	Serum	Primary	7439-95-4	Magnesium	19.6	0.040	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	12:25	
Grazing	VAG99-43	V9903232	14	Steer 14	Serum	Primary	7440-50-8	Copper	0.528	0.700	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	12:25	
Grazing	VAG99-43	V9903232	14	Steer 14	Serum	Primary	8047-59-4	Calcium	93.9	0.070	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	12:25	
Grazing	VAG99-43	V9903233	15	Steer 15	Serum	Primary	9029-97-4	Zinc	1.57	0.080	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	12:27	
Grazing	VAG99-43	V9903233	15	Steer 15	Serum	Primary	7803-51-2	Phosphorus	92.3	2.000	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	12:27	
Grazing	VAG99-43	V9903233	15	Steer 15	Serum	Primary	8053-60-9	Iron	1.3	0.220	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	12:27	
Grazing	VAG99-43	V9903233	15	Steer 15	Serum	Primary	7439-95-4	Magnesium	21.3	0.040	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	12:27	
Grazing	VAG99-43	V9903233	15	Steer 15	Serum	Primary	7440-50-8	Copper	0.585	0.700	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	12:27	
Grazing	VAG99-43	V9903233	15	Steer 15	Serum	Primary	8047-59-4	Calcium	99.4	0.070	EDL	ug/g	Wet Wt	1			8/16/1999	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	12:27	
Grazing	VAG99-43	7140-2	Sigma S-7140	NA	Lab QC	CCV	9029-97-4	Zinc	1.28	0.080	EDL	ug/g	Wet Wt	1	1.3	98	NA	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	12:30	
Grazing	VAG99-43	7140-2	Sigma S-7140	NA	Lab QC	CCV	7803-51-2	Phosphorus	72.3	2.000	EDL	ug/g	Wet Wt	1	83.8	86	NA	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	12:30	
Grazing	VAG99-43	7140-2	Sigma S-7140	NA	Lab QC	CCV	8053-60-9	Iron	1.48	0.220	EDL	ug/g	Wet Wt	1	1.7	87	NA	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	12:30	
Grazing	VAG99-43	7140-2	Sigma S-7140	NA	Lab QC	CCV	7439-95-4	Magnesium	22.1	0.040	EDL	ug/g	Wet Wt	1	24.6	90	NA	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	12:30	
Grazing	VAG99-43	7140-2	Sigma S-7140	NA	Lab QC	CCV	7440-50-8	Copper	1.17	0.700	EDL	ug/g	Wet Wt	1	1.33	88	NA	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	12:30	
Grazing	VAG99-43	7140-2	Sigma S-7140	NA	Lab QC	CCV	8047-59-4	Calcium	98.3	0.070	EDL	ug/g	Wet Wt	1	109	90	NA	ICP - TES	TESICP_08-26-99	0823TES2	8/23/1999	8/26/1999	12:30	
Grazing	VAG99-43	APG 7878-3	APG 7878	NA	Lab QC	CCV	7439-98-7	Molybdenum		0.007	EDL	ug/g	Wet Wt	1	0.0872	0	NA	Graphite Furnace	Not available	Not available	Not available	Not available	Not available	IRD
Grazing	VAG99-43	V9903234	1	Steer 01	Plasma	Primary	7439-98-7	Molybdenum		0.007	EDL	ug/g	Wet Wt	1			8/16/1999	Graphite Furnace	Not available	Not available	Not available	Not available	Not available	IRD
Grazing	VAG99-43	V9903235	2	Steer 02	Plasma	Primary	7439-98-7	Molybdenum		0.007	EDL	ug/g	Wet Wt	1			8/16/1999	Graphite Furnace	Not available	Not available	Not available	Not available	Not available	IRD
Grazing	VAG99-43	V9903236	3	Steer 03	Plasma	Primary	7439-98-7	Molybdenum		0.007	EDL	ug/g	Wet Wt	1			8/16/1999	Graphite Furnace	Not available	Not available	Not available	Not available	Not available	IRD
Grazing	VAG99-43	V9903237	4	Steer 04	Plasma	Primary	7439-98-7	Molybdenum		0.007	EDL	ug/g	Wet Wt	1			8/16/1999	Graphite Furnace	Not available	Not available	Not available	Not available	Not available	IRD
Grazing	VAG99-43	V9903238	5	Steer 05	Plasma	Primary	7439-98-7	Molybdenum		0.007	EDL	ug/g	Wet Wt	1			8/16/1999	Graphite Furnace	Not available	Not available	Not available	Not available	Not available	IRD
Grazing	VAG99-43	V9903239	6	Steer 06	Plasma	Primary	7439-98-7	Molybdenum		0.007	EDL	ug/g	Wet Wt	1			8/16/1999	Graphite Furnace	Not available	Not available	Not available	Not available	Not available	IRD
Grazing	VAG99-43	V9903240	7	Steer 07	Plasma	Primary	7439-98-7	Molybdenum		0.007	EDL	ug/g	Wet Wt	1			8/16/1999	Graphite Furnace	Not available	Not available	Not available	Not available	Not available	IRD
Grazing	VAG99-43	V9903241	8	Steer 08	Plasma	Primary	7439-98-7	Molybdenum		0.007	EDL	ug/g	Wet Wt	1			8/16/1999	Graphite Furnace	Not available	Not available	Not available	Not available	Not available	IRD
Grazing	VAG99-43	V9903242	9	Steer 09	Plasma	Primary	7439-98-7	Molybdenum		0.007	EDL	ug/g	Wet Wt	1			8/16/1999	Graphite Furnace	Not available	Not available	Not available	Not available	Not available	IRD
Grazing	VAG99-43	V9903243	10	Steer 10	Plasma	Primary	7439-98-7	Molybdenum		0.007	EDL	ug/g	Wet Wt	1			8/16/1999	Graphite Furnace	Not available	Not available	Not available	Not available	Not available	IRD
Grazing	VAG99-43	V9903244	11	Steer 11	Plasma	Primary	7439-98-7	Molybdenum		0.007	EDL	ug/g	Wet Wt	1			8/16/1999	Graphite Furnace	Not available	Not available	Not available	Not available	Not available	IRD
Grazing	VAG99-43	V9903245	12	Steer 12	Plasma	Primary	7439-98-7	Molybdenum		0.007	EDL	ug/g	Wet Wt	1			8/16/1999	Graphite Furnace	Not available	Not available	Not available	Not available	Not available	IRD
Grazing	VAG99-43	V9903246	13	Steer 13	Plasma	Primary	7439-98-7	Molybdenum		0.007	EDL	ug/g	Wet Wt	1			8/16/1999	Graphite Furnace	Not available	Not available	Not available	Not available	Not available	IRD
Grazing	VAG99-43	V9903247	14	Steer 14	Plasma	Primary	7439-98-7	Molybdenum		0.007	EDL	ug/g	Wet Wt	1			8/16/1999	Graphite Furnace	Not available	Not available	Not available	Not available	Not available	IRD
Grazing	VAG99-43	V9903248	15	Steer 15	Plasma	Primary	7439-98-7	Molybdenum		0.007	EDL	ug/g	Wet Wt	1			8/16/1999	Graphite Furnace	Not available	Not available	Not available	Not available	Not available	IRD
Grazing	VSP99-09	HRL	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.405	0.005	EDL	ug/g	Wet Wt	1	0.446	91	NA	ICP, Hydride	VGICP_09-13-99	0913SEH	9/9/1999	9/13/1999	9:41	
Grazing	VSP99-09	V9903455	1	Steer 01	Serum	Primary	7782-49-2	Selenium	0.676	0.005	EDL	ug/g	Wet Wt	1			9/2/1999	ICP, Hydride	VGICP_09-13-99	0913SEH	9/9/1999	9/13/1999	9:44	
Grazing	VSP99-09	V9903456	2	Steer 02	Serum	Primary	7782-49-2	Selenium	1.31	0.005	EDL	ug/g	Wet Wt	1			9/2/1999	ICP, Hydride	VGICP_09-13-99	0913SEH	9/9/1999	9/13/1999	9:47	
Grazing	VSP99-09	V9903457	3	Steer 03	Serum	Primary	7782-49-2	Selenium	1.29	0.005	EDL	ug/g	Wet Wt	1			9/2/1999	ICP, Hydride	VGICP_09-13-99	0913SEH	9/9/1999	9/13/1999	9:50	
Grazing	VSP99-09	V9903458	4	Steer 04	Serum	Primary	7782-49-2	Selenium	2.11	0.005	EDL	ug/g	Wet Wt	1			9/2/1999	ICP, Hydride	VGICP_09-13-99	0913SEH	9/9/1999	9/13/1999	9:53	
Grazing	VSP99-09	V9903459	5	Steer 05	Serum	Primary	7782-49-2	Selenium	0.625	0.005	EDL	ug/g	Wet Wt	1			9/2/1999	ICP, Hydride	VGICP_09-13-99	0913SEH	9/9/1999	9/13/1999	9:56	
Grazing	VSP99-09	V9903460	6	Steer 06	Serum	Primary	7782-49-2	Selenium	1.84	0.005	EDL	ug/g	Wet Wt	1			9/2/1999	ICP, Hydride	VGICP_09-13-99	0913SEH	9/9/1999	9/13/1999	9:58	

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Grazing	VSP99-09	V9903461	7	Steer 07	Serum	Primary	7782-49-2	Selenium	1.66	0.005	EDL	ug/g	Wet Wt	1			9/2/1999	ICP, Hydride	VGICP_09-13-99	0913SEH	9/9/1999	9/13/1999	10:01	
Grazing	VSP99-09	V9903462	8	Steer 08	Serum	Primary	7782-49-2	Selenium	0.525	0.005	EDL	ug/g	Wet Wt	1			9/2/1999	ICP, Hydride	VGICP_09-13-99	0913SEH	9/9/1999	9/13/1999	10:04	
Grazing	VSP99-09	V9903463	9	Steer 09	Serum	Primary	7782-49-2	Selenium	1.92	0.005	EDL	ug/g	Wet Wt	1			9/2/1999	ICP, Hydride	VGICP_09-13-99	0913SEH	9/9/1999	9/13/1999	10:07	
Grazing	VSP99-09	V9903464	10	Steer 10	Serum	Primary	7782-49-2	Selenium	1.2	0.005	EDL	ug/g	Wet Wt	1			9/2/1999	ICP, Hydride	VGICP_09-13-99	0913SEH	9/9/1999	9/13/1999	10:10	
Grazing	VSP99-09	V9903465	11	Steer 11	Serum	Primary	7782-49-2	Selenium	0.7	0.005	EDL	ug/g	Wet Wt	1			9/2/1999	ICP, Hydride	VGICP_09-13-99	0913SEH	9/9/1999	9/13/1999	10:13	
Grazing	VSP99-09	V9903466	12	Steer 12	Serum	Primary	7782-49-2	Selenium	0.728	0.005	EDL	ug/g	Wet Wt	1			9/2/1999	ICP, Hydride	VGICP_09-13-99	0913SEH	9/9/1999	9/13/1999	10:16	
Grazing	VSP99-09	V9903467	13	Steer 13	Serum	Primary	7782-49-2	Selenium	1.63	0.005	EDL	ug/g	Wet Wt	1			9/2/1999	ICP, Hydride	VGICP_09-13-99	0913SEH	9/9/1999	9/13/1999	10:19	
Grazing	VSP99-09	V9903468	14	Steer 14	Serum	Primary	7782-49-2	Selenium	1.91	0.005	EDL	ug/g	Wet Wt	1			9/2/1999	ICP, Hydride	VGICP_09-13-99	0913SEH	9/9/1999	9/13/1999	10:22	
Grazing	VSP99-09	V9903469	15	Steer 15	Serum	Primary	7782-49-2	Selenium	1.59	0.005	EDL	ug/g	Wet Wt	1			9/2/1999	ICP, Hydride	VGICP_09-13-99	0913SEH	9/9/1999	9/13/1999	10:26	
Grazing	VSP99-09	V9903470	1	Steer 01	Blood	Primary	7782-49-2	Selenium	1.88	0.005	EDL	ug/g	Wet Wt	1			9/2/1999	ICP, Hydride	VGICP_09-13-99	0913SEH	9/9/1999	9/13/1999	10:28	
Grazing	VSP99-09	HRL1	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.416	0.005	EDL	ug/g	Wet Wt	1	0.446	93	NA	ICP, Hydride	VGICP_09-13-99	0913SEH	9/9/1999	9/13/1999	10:31	
Grazing	VSP99-09	V9903471	2	Steer 02	Blood	Primary	7782-49-2	Selenium	5.15	0.005	EDL	ug/g	Wet Wt	1			9/2/1999	ICP, Hydride	VGICP_09-13-99	0913SEH	9/9/1999	9/13/1999	10:35	
Grazing	VSP99-09	V9903472	3	Steer 03	Blood	Primary	7782-49-2	Selenium	4.08	0.005	EDL	ug/g	Wet Wt	1			9/2/1999	ICP, Hydride	VGICP_09-13-99	0913SEH	9/9/1999	9/13/1999	10:37	
Grazing	VSP99-09	V9903473	4	Steer 04	Blood	Primary	7782-49-2	Selenium	3.12	0.005	EDL	ug/g	Wet Wt	1			9/2/1999	ICP, Hydride	VGICP_09-13-99	0913SEH	9/9/1999	9/13/1999	10:40	
Grazing	VSP99-09	V9903474	5	Steer 05	Blood	Primary	7782-49-2	Selenium	1.36	0.005	EDL	ug/g	Wet Wt	1			9/2/1999	ICP, Hydride	VGICP_09-13-99	0913SEH	9/9/1999	9/13/1999	10:43	
Grazing	VSP99-09	V9903475	6	Steer 06	Blood	Primary	7782-49-2	Selenium	2.69	0.005	EDL	ug/g	Wet Wt	1			9/2/1999	ICP, Hydride	VGICP_09-13-99	0913SEH	9/9/1999	9/13/1999	10:46	
Grazing	VSP99-09	V9903476	7	Steer 07	Blood	Primary	7782-49-2	Selenium	3.18	0.005	EDL	ug/g	Wet Wt	1			9/2/1999	ICP, Hydride	VGICP_09-13-99	0913SEH	9/9/1999	9/13/1999	10:49	
Grazing	VSP99-09	V9903477	8	Steer 08	Blood	Primary	7782-49-2	Selenium	1.03	0.005	EDL	ug/g	Wet Wt	1			9/2/1999	ICP, Hydride	VGICP_09-13-99	0913SEH	9/9/1999	9/13/1999	10:52	
Grazing	VSP99-09	V9903478	9	Steer 09	Blood	Primary	7782-49-2	Selenium	3.42	0.005	EDL	ug/g	Wet Wt	1			9/2/1999	ICP, Hydride	VGICP_09-13-99	0913SEH	9/9/1999	9/13/1999	10:55	
Grazing	VSP99-09	V9903479	10	Steer 10	Blood	Primary	7782-49-2	Selenium	3.11	0.005	EDL	ug/g	Wet Wt	1			9/2/1999	ICP, Hydride	VGICP_09-13-99	0913SEH	9/9/1999	9/13/1999	10:57	
Grazing	VSP99-09	V9903480	11	Steer 11	Blood	Primary	7782-49-2	Selenium	2.16	0.005	EDL	ug/g	Wet Wt	1			9/2/1999	ICP, Hydride	VGICP_09-13-99	0913SEH	9/9/1999	9/13/1999	11:00	
Grazing	VSP99-09	V9903481	12	Steer 12	Blood	Primary	7782-49-2	Selenium	2.06	0.005	EDL	ug/g	Wet Wt	1			9/2/1999	ICP, Hydride	VGICP_09-13-99	0913SEH	9/9/1999	9/13/1999	11:03	
Grazing	VSP99-09	V9903482	13	Steer 13	Blood	Primary	7782-49-2	Selenium	2.26	0.005	EDL	ug/g	Wet Wt	1			9/2/1999	ICP, Hydride	VGICP_09-13-99	0913SEH	9/9/1999	9/13/1999	11:06	
Grazing	VSP99-09	V9903483	14	Steer 14	Blood	Primary	7782-49-2	Selenium	2.54	0.005	EDL	ug/g	Wet Wt	1			9/2/1999	ICP, Hydride	VGICP_09-13-99	0913SEH	9/9/1999	9/13/1999	11:09	
Grazing	VSP99-09	V9903484	15	Steer 15	Blood	Primary	7782-49-2	Selenium	2.68	0.005	EDL	ug/g	Wet Wt	1			9/2/1999	ICP, Hydride	VGICP_09-13-99	0913SEH	9/9/1999	9/13/1999	11:11	
Grazing	VSP99-09	HRLN	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.407	0.005	EDL	ug/g	Wet Wt	1	0.446	91	NA	ICP, Hydride	VGICP_09-13-99	0913SEH	9/9/1999	9/13/1999	11:14	
Grazing	VSP99-09	7140	Sigma S-7140	NA	Lab QC	CCV	9029-97-4	Zinc	1.17	0.080	EDL	ug/g	Wet Wt	1	1.3	90	NA	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	9:24	
Grazing	VSP99-09	7140	Sigma S-7140	NA	Lab QC	CCV	7803-51-2	Phosphorus	74.2	2.000	EDL	ug/g	Wet Wt	1	83.8	89	NA	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	9:24	
Grazing	VSP99-09	7140	Sigma S-7140	NA	Lab QC	CCV	8053-60-9	Iron	1.87	0.220	EDL	ug/g	Wet Wt	1	1.7	110	NA	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	9:24	
Grazing	VSP99-09	7140	Sigma S-7140	NA	Lab QC	CCV	7439-95-4	Magnesium	24.1	0.040	EDL	ug/g	Wet Wt	1	24.6	98	NA	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	9:24	
Grazing	VSP99-09	7140	Sigma S-7140	NA	Lab QC	CCV	7440-50-8	Copper	1.2	0.700	EDL	ug/g	Wet Wt	1	1.33	90	NA	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	9:24	
Grazing	VSP99-09	7140	Sigma S-7140	NA	Lab QC	CCV	8047-59-4	Calcium	105	0.070	EDL	ug/g	Wet Wt	1	109	96	NA	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	9:24	
Grazing	VSP99-09	V9903455	1	Steer 01	Serum	Primary	9029-97-4	Zinc	1.62	0.080	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	9:33	BHRS
Grazing	VSP99-09	V9903455	1	Steer 01	Serum	Primary	7803-51-2	Phosphorus	78.6	2.000	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	9:33	
Grazing	VSP99-09	V9903455	1	Steer 01	Serum	Primary	8053-60-9	Iron	1.58	0.220	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	9:33	
Grazing	VSP99-09	V9903455	1	Steer 01	Serum	Primary	7439-95-4	Magnesium	22.7	0.040	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	9:33	
Grazing	VSP99-09	V9903455	1	Steer 01	Serum	Primary	7440-50-8	Copper	0.422	0.700	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	9:33	
Grazing	VSP99-09	V9903455	1	Steer 01	Serum	Primary	8047-59-4	Calcium	102	0.070	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	9:33	
Grazing	VSP99-09	V9903456	2	Steer 02	Serum	Primary	9029-97-4	Zinc	1.46	0.080	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	9:36	BHRS
Grazing	VSP99-09	V9903456	2	Steer 02	Serum	Primary	7803-51-2	Phosphorus	69.7	2.000	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	9:36	
Grazing	VSP99-09	V9903456	2	Steer 02	Serum	Primary	8053-60-9	Iron	2.26	0.220	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	9:36	
Grazing	VSP99-09	V9903456	2	Steer 02	Serum	Primary	7439-95-4	Magnesium	22.8	0.040	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	9:36	
Grazing	VSP99-09	V9903456	2	Steer 02	Serum	Primary	7440-50-8	Copper	0.344	0.700	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	9:36	
Grazing	VSP99-09	V9903456	2	Steer 02	Serum	Primary	8047-59-4	Calcium	103	0.070	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	9:36	
Grazing	VSP99-09	V9903457	3	Steer 03	Serum	Primary	9029-97-4	Zinc	2.06	0.080	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	9:39	BHRS
Grazing	VSP99-09	V9903457	3	Steer 03	Serum	Primary	7803-51-2	Phosphorus	61.4	2.000	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	9:39	
Grazing	VSP99-09	V9903457	3	Steer 03	Serum	Primary	8053-60-9	Iron	1.54	0.220	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	9:39	
Grazing	VSP99-09	V9903457	3	Steer 03	Serum	Primary	7439-95-4	Magnesium	24	0.040	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	9:39	
Grazing	VSP99-09	V9903457	3	Steer 03	Serum	Primary	7440-50-8	Copper	0.544	0.700	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	9:39	
Grazing	VSP99-09	V9903457	3	Steer 03	Serum	Primary	8047-59-4	Calcium	111	0.070	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	9:39	
Grazing	VSP99-09	V9903458	4	Steer 04	Serum	Primary	9029-97-4	Zinc	1.84	0.080	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	9:42	BHRS
Grazing	VSP99-09	V9903458	4	Steer 04	Serum	Primary	7803-51-2	Phosphorus	77.6	2.000	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	9:42	
Grazing	VSP99-09	V9903458	4	Steer 04	Serum	Primary	8053-60-9	Iron	1.66	0.220	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	9:42	
Grazing	VSP99-09	V9903458	4	Steer 04	Serum	Primary	7439-95-4	Magnesium	23.2	0.040	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	9:42	
Grazing	VSP99-09	V9903458	4	Steer 04	Serum	Primary	7440-50-8	Copper	0.692	0.700	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	9:42	
Grazing	VSP99-09	V9903458	4	Steer 04	Serum	Primary	8047-59-4	Calcium	106	0.070	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	9:42	
Grazing	VSP99-09	V9903459	5	Steer 05	Serum	Primary	9029-97-4	Zinc	1.09	0.080	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	9:45	BHRS
Grazing	VSP99-09	V9903459	5	Steer 05	Serum	Primary	7803-51-2	Phosphorus	57.8	2.000	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	9:45	

ATTACHMENT A
MWH EDD - 1999 - 2000 CATTLE TISSUE AND BLOOD DATA

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Grazing	VSP99-09	V9903459	5	Steer 05	Serum	Primary	8053-60-9	Iron	1.38	0.220	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	9:45	
Grazing	VSP99-09	V9903459	5	Steer 05	Serum	Primary	7439-95-4	Magnesium	22.2	0.040	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	9:45	
Grazing	VSP99-09	V9903459	5	Steer 05	Serum	Primary	7440-50-8	Copper	0.682	0.700	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	9:45	
Grazing	VSP99-09	V9903459	5	Steer 05	Serum	Primary	8047-59-4	Calcium	104	0.070	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	9:45	
Grazing	VSP99-09	V9903460	6	Steer 06	Serum	Primary	9029-97-4	Zinc	1.57	0.080	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	9:48	BHRS
Grazing	VSP99-09	V9903460	6	Steer 06	Serum	Primary	7803-51-2	Phosphorus	73.1	2.000	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	9:48	
Grazing	VSP99-09	V9903460	6	Steer 06	Serum	Primary	8053-60-9	Iron	1.37	0.220	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	9:48	
Grazing	VSP99-09	V9903460	6	Steer 06	Serum	Primary	7439-95-4	Magnesium	22.2	0.040	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	9:48	
Grazing	VSP99-09	V9903460	6	Steer 06	Serum	Primary	7440-50-8	Copper	0.608	0.700	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	9:48	
Grazing	VSP99-09	V9903460	6	Steer 06	Serum	Primary	8047-59-4	Calcium	102	0.070	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	9:48	
Grazing	VSP99-09	V9903461	7	Steer 07	Serum	Primary	9029-97-4	Zinc	1.88	0.080	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	9:51	BHRS
Grazing	VSP99-09	V9903461	7	Steer 07	Serum	Primary	7803-51-2	Phosphorus	81.9	2.000	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	9:51	
Grazing	VSP99-09	V9903461	7	Steer 07	Serum	Primary	8053-60-9	Iron	1.1	0.220	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	9:51	
Grazing	VSP99-09	V9903461	7	Steer 07	Serum	Primary	7439-95-4	Magnesium	23.1	0.040	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	9:51	
Grazing	VSP99-09	V9903461	7	Steer 07	Serum	Primary	7440-50-8	Copper	0.644	0.700	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	9:51	
Grazing	VSP99-09	V9903461	7	Steer 07	Serum	Primary	8047-59-4	Calcium	108	0.070	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	9:51	
Grazing	VSP99-09	V9903462	8	Steer 08	Serum	Primary	9029-97-4	Zinc	2.09	0.080	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	9:54	BHRS
Grazing	VSP99-09	V9903462	8	Steer 08	Serum	Primary	7803-51-2	Phosphorus	74.6	2.000	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	9:54	
Grazing	VSP99-09	V9903462	8	Steer 08	Serum	Primary	8053-60-9	Iron	1.41	0.220	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	9:54	
Grazing	VSP99-09	V9903462	8	Steer 08	Serum	Primary	7439-95-4	Magnesium	24.4	0.040	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	9:54	
Grazing	VSP99-09	V9903462	8	Steer 08	Serum	Primary	7440-50-8	Copper	0.667	0.700	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	9:54	
Grazing	VSP99-09	V9903462	8	Steer 08	Serum	Primary	8047-59-4	Calcium	99.7	0.070	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	9:54	
Grazing	VSP99-09	V9903463	9	Steer 09	Serum	Primary	9029-97-4	Zinc	2.23	0.080	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	9:57	BHRS
Grazing	VSP99-09	V9903463	9	Steer 09	Serum	Primary	7803-51-2	Phosphorus	82.5	2.000	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	9:57	
Grazing	VSP99-09	V9903463	9	Steer 09	Serum	Primary	8053-60-9	Iron	1.14	0.220	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	9:57	
Grazing	VSP99-09	V9903463	9	Steer 09	Serum	Primary	7439-95-4	Magnesium	24	0.040	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	9:57	
Grazing	VSP99-09	V9903463	9	Steer 09	Serum	Primary	7440-50-8	Copper	0.607	0.700	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	9:57	
Grazing	VSP99-09	V9903463	9	Steer 09	Serum	Primary	8047-59-4	Calcium	105	0.070	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	9:57	
Grazing	VSP99-09	V9903464	10	Steer 10	Serum	Primary	9029-97-4	Zinc	1.56	0.080	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	9:59	BHRS
Grazing	VSP99-09	V9903464	10	Steer 10	Serum	Primary	7803-51-2	Phosphorus	57.9	2.000	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	9:59	
Grazing	VSP99-09	V9903464	10	Steer 10	Serum	Primary	8053-60-9	Iron	1.67	0.220	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	9:59	
Grazing	VSP99-09	V9903464	10	Steer 10	Serum	Primary	7439-95-4	Magnesium	23.9	0.040	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	9:59	
Grazing	VSP99-09	V9903464	10	Steer 10	Serum	Primary	7440-50-8	Copper	0.727	0.700	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	9:59	
Grazing	VSP99-09	V9903464	10	Steer 10	Serum	Primary	8047-59-4	Calcium	106	0.070	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	9:59	
Grazing	VSP99-09	V9903465	11	Steer 11	Serum	Primary	9029-97-4	Zinc	2.44	0.080	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	10:02	BHRS
Grazing	VSP99-09	V9903465	11	Steer 11	Serum	Primary	7803-51-2	Phosphorus	64.6	2.000	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	10:02	
Grazing	VSP99-09	V9903465	11	Steer 11	Serum	Primary	8053-60-9	Iron	1.75	0.220	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	10:02	
Grazing	VSP99-09	V9903465	11	Steer 11	Serum	Primary	7439-95-4	Magnesium	23.1	0.040	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	10:02	
Grazing	VSP99-09	V9903465	11	Steer 11	Serum	Primary	7440-50-8	Copper	0.506	0.700	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	10:02	
Grazing	VSP99-09	V9903465	11	Steer 11	Serum	Primary	8047-59-4	Calcium	105	0.070	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	10:02	
Grazing	VSP99-09	V9903466	12	Steer 12	Serum	Primary	9029-97-4	Zinc	2.04	0.080	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	10:05	BHRS
Grazing	VSP99-09	V9903466	12	Steer 12	Serum	Primary	7803-51-2	Phosphorus	75.7	2.000	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	10:05	
Grazing	VSP99-09	V9903466	12	Steer 12	Serum	Primary	8053-60-9	Iron	1.32	0.220	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	10:05	
Grazing	VSP99-09	V9903466	12	Steer 12	Serum	Primary	7439-95-4	Magnesium	22.2	0.040	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	10:05	
Grazing	VSP99-09	V9903466	12	Steer 12	Serum	Primary	7440-50-8	Copper	0.746	0.700	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	10:05	
Grazing	VSP99-09	V9903466	12	Steer 12	Serum	Primary	8047-59-4	Calcium	112	0.070	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	10:05	
Grazing	VSP99-09	V9903467	13	Steer 13	Serum	Primary	9029-97-4	Zinc	1.87	0.080	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	10:08	BHRS
Grazing	VSP99-09	V9903467	13	Steer 13	Serum	Primary	7803-51-2	Phosphorus	87.8	2.000	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	10:08	
Grazing	VSP99-09	V9903467	13	Steer 13	Serum	Primary	8053-60-9	Iron	1.26	0.220	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	10:08	
Grazing	VSP99-09	V9903467	13	Steer 13	Serum	Primary	7439-95-4	Magnesium	20.3	0.040	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	10:08	
Grazing	VSP99-09	V9903467	13	Steer 13	Serum	Primary	7440-50-8	Copper	0.722	0.700	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	10:08	
Grazing	VSP99-09	V9903467	13	Steer 13	Serum	Primary	8047-59-4	Calcium	102	0.070	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	10:08	
Grazing	VSP99-09	V9903468	14	Steer 14	Serum	Primary	9029-97-4	Zinc	1.84	0.080	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	10:11	BHRS
Grazing	VSP99-09	V9903468	14	Steer 14	Serum	Primary	7803-51-2	Phosphorus	81.4	2.000	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	10:11	
Grazing	VSP99-09	V9903468	14	Steer 14	Serum	Primary	8053-60-9	Iron	1.17	0.220	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	10:11	
Grazing	VSP99-09	V9903468	14	Steer 14	Serum	Primary	7439-95-4	Magnesium	23.6	0.040	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	10:11	
Grazing	VSP99-09	V9903468	14	Steer 14	Serum	Primary	7440-50-8	Copper	0.553	0.700	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	10:11	
Grazing	VSP99-09	V9903468	14	Steer 14	Serum	Primary	8047-59-4	Calcium	102	0.070	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	10:11	

ATTACHMENT A
MWH EDD - 1999-2000 CATTLE TISSUE AND BLOOD DATA

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Grazing	VSP99-09	V9903469	15	Steer 15	Serum	Primary	9029-97-4	Zinc	2.15	0.080	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	10:14	BHRS
Grazing	VSP99-09	V9903469	15	Steer 15	Serum	Primary	7803-51-2	Phosphorus	90.2	2.000	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	10:14	
Grazing	VSP99-09	V9903469	15	Steer 15	Serum	Primary	8053-60-9	Iron	1.49	0.220	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	10:14	
Grazing	VSP99-09	V9903469	15	Steer 15	Serum	Primary	7439-95-4	Magnesium	21.2	0.040	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	10:14	
Grazing	VSP99-09	V9903469	15	Steer 15	Serum	Primary	7440-50-8	Copper	0.555	0.700	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	10:14	
Grazing	VSP99-09	V9903469	15	Steer 15	Serum	Primary	8047-59-4	Calcium	104	0.070	EDL	ug/g	Wet Wt	1			9/2/1999	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	10:14	
Grazing	VSP99-09	7140-2	Sigma S-7140	NA	Lab QC	CCV	9029-97-4	Zinc	1.21	0.080	EDL	ug/g	Wet Wt	1	1.3	93	NA	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	10:17	
Grazing	VSP99-09	7140-2	Sigma S-7140	NA	Lab QC	CCV	7803-51-2	Phosphorus	73.3	2.000	EDL	ug/g	Wet Wt	1	83.8	87	NA	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	10:17	
Grazing	VSP99-09	7140-2	Sigma S-7140	NA	Lab QC	CCV	8053-60-9	Iron	1.8	0.220	EDL	ug/g	Wet Wt	1	1.7	106	NA	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	10:17	
Grazing	VSP99-09	7140-2	Sigma S-7140	NA	Lab QC	CCV	7439-95-4	Magnesium	22.6	0.040	EDL	ug/g	Wet Wt	1	24.6	92	NA	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	10:17	
Grazing	VSP99-09	7140-2	Sigma S-7140	NA	Lab QC	CCV	7440-50-8	Copper	1.23	0.700	EDL	ug/g	Wet Wt	1	1.33	92	NA	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	10:17	
Grazing	VSP99-09	7140-2	Sigma S-7140	NA	Lab QC	CCV	8047-59-4	Calcium	99	0.070	EDL	ug/g	Wet Wt	1	109	91	NA	ICP - TES	TESICP_09-09-99	0909TES2	9/8/1999	9/9/1999	10:17	
Grazing	VSP99-09	APG 7878-1	APG 7878	NA	Lab QC	CCV	7439-98-7	Molybdenum	0.09122	0.007	EDL	ug/g	Wet Wt	1	0.0872	105	NA	Graphite Furnace	GF_09-16-99	091099MO	9/8/1999	9/10/1999	15:19	
Grazing	VSP99-09	V9903470	1	Steer 01	Plasma	Primary	7439-98-7	Molybdenum	0.118	0.007	EDL	ug/g	Wet Wt	1			9/2/1999	Graphite Furnace	GF_09-16-99	091099MO	9/8/1999	9/10/1999	15:23	
Grazing	VSP99-09	V9903471	2	Steer 02	Plasma	Primary	7439-98-7	Molybdenum	0.2406	0.007	EDL	ug/g	Wet Wt	1			9/2/1999	Graphite Furnace	GF_09-16-99	091099MO	9/8/1999	9/10/1999	15:27	
Grazing	VSP99-09	V9903472	3	Steer 03	Plasma	Primary	7439-98-7	Molybdenum	0.3724	0.007	EDL	ug/g	Wet Wt	1			9/2/1999	Graphite Furnace	GF_09-16-99	091099MO	9/8/1999	9/10/1999	15:31	
Grazing	VSP99-09	V9903473	4	Steer 04	Plasma	Primary	7439-98-7	Molybdenum	0.1474	0.007	EDL	ug/g	Wet Wt	1			9/2/1999	Graphite Furnace	GF_09-16-99	091099MO	9/8/1999	9/10/1999	15:35	
Grazing	VSP99-09	V9903474	5	Steer 05	Plasma	Primary	7439-98-7	Molybdenum	0.1106	0.007	EDL	ug/g	Wet Wt	1			9/2/1999	Graphite Furnace	GF_09-16-99	091099MO	9/8/1999	9/10/1999	15:39	
Grazing	VSP99-09	V9903475	6	Steer 06	Plasma	Primary	7439-98-7	Molybdenum	0.1071	0.007	EDL	ug/g	Wet Wt	1			9/2/1999	Graphite Furnace	GF_09-16-99	091099MO	9/8/1999	9/10/1999	15:43	
Grazing	VSP99-09	V9903476	7	Steer 07	Plasma	Primary	7439-98-7	Molybdenum	0.114	0.007	EDL	ug/g	Wet Wt	1			9/2/1999	Graphite Furnace	GF_09-16-99	091099MO	9/8/1999	9/10/1999	15:47	
Grazing	VSP99-09	APG 7878-2	APG 7878	NA	Lab QC	CCV	7439-98-7	Molybdenum	0.08468	0.007	EDL	ug/g	Wet Wt	1	0.0872	97	NA	Graphite Furnace	GF_09-16-99	091099MO	9/8/1999	9/10/1999	15:52	
Grazing	VSP99-09	V9903477	8	Steer 08	Plasma	Primary	7439-98-7	Molybdenum	0.1298	0.007	EDL	ug/g	Wet Wt	1			9/2/1999	Graphite Furnace	GF_09-16-99	091099MO	9/8/1999	9/10/1999	15:56	
Grazing	VSP99-09	V9903478	9	Steer 09	Plasma	Primary	7439-98-7	Molybdenum	0.08258	0.007	EDL	ug/g	Wet Wt	1			9/2/1999	Graphite Furnace	GF_09-16-99	091099MO	9/8/1999	9/10/1999	16:00	
Grazing	VSP99-09	V9903479	10	Steer 10	Plasma	Primary	7439-98-7	Molybdenum	0.1836	0.007	EDL	ug/g	Wet Wt	1			9/2/1999	Graphite Furnace	GF_09-16-99	091099MO	9/8/1999	9/10/1999	16:04	
Grazing	VSP99-09	V9903480	11	Steer 11	Plasma	Primary	7439-98-7	Molybdenum	0.1774	0.007	EDL	ug/g	Wet Wt	1			9/2/1999	Graphite Furnace	GF_09-16-99	091099MO	9/8/1999	9/10/1999	16:08	
Grazing	VSP99-09	V9903481	12	Steer 12	Plasma	Primary	7439-98-7	Molybdenum	0.1229	0.007	EDL	ug/g	Wet Wt	1			9/2/1999	Graphite Furnace	GF_09-16-99	091099MO	9/8/1999	9/10/1999	16:12	
Grazing	VSP99-09	V9903482	13	Steer 13	Plasma	Primary	7439-98-7	Molybdenum	0.1785	0.007	EDL	ug/g	Wet Wt	1			9/2/1999	Graphite Furnace	GF_09-16-99	091099MO	9/8/1999	9/10/1999	16:16	
Grazing	VSP99-09	V9903483	14	Steer 14	Plasma	Primary	7439-98-7	Molybdenum	0.08795	0.007	EDL	ug/g	Wet Wt	1			9/2/1999	Graphite Furnace	GF_09-16-99	091099MO	9/8/1999	9/10/1999	16:20	
Grazing	VSP99-09	V9903484	15	Steer 15	Plasma	Primary	7439-98-7	Molybdenum	0.2318	0.007	EDL	ug/g	Wet Wt	1			9/2/1999	Graphite Furnace	GF_09-16-99	091099MO	9/8/1999	9/10/1999	16:24	
Grazing	VSP99-09	APG 7878-2	APG 7878	NA	Lab QC	CCV	7439-98-7	Molybdenum	0.07413	0.007	EDL	ug/g	Wet Wt	1	0.0872	85	NA	Graphite Furnace	GF_09-16-99	091099MO	9/8/1999	9/10/1999	16:28	
Grazing	VSP99-37	HRL1	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.405	0.005	EDL	ug/g	Wet Wt	1	0.446	91	NA	ICP, Hydride	VGICP_09-22-99	0922SEH	9/20/1999	9/22/1999	9:47	
Grazing	VSP99-37	V9903561	#1	Steer 01	Serum	Primary	7782-49-2	Selenium	0.349	0.005	EDL	ug/g	Wet Wt	1			9/15/1999	ICP, Hydride	VGICP_09-22-99	0922SEH	9/20/1999	9/22/1999	9:50	
Grazing	VSP99-37	V9903562	#2	Steer 02	Serum	Primary	7782-49-2	Selenium	0.668	0.005	EDL	ug/g	Wet Wt	1			9/15/1999	ICP, Hydride	VGICP_09-22-99	0922SEH	9/20/1999	9/22/1999	9:53	
Grazing	VSP99-37	V9903563	#3	Steer 03	Serum	Primary	7782-49-2	Selenium	0.569	0.005	EDL	ug/g	Wet Wt	1			9/15/1999	ICP, Hydride	VGICP_09-22-99	0922SEH	9/20/1999	9/22/1999	9:56	
Grazing	VSP99-37	V9903564	#4	Steer 04	Serum	Primary	7782-49-2	Selenium	0.716	0.005	EDL	ug/g	Wet Wt	1			9/15/1999	ICP, Hydride	VGICP_09-22-99	0922SEH	9/20/1999	9/22/1999	9:59	
Grazing	VSP99-37	V9903565	#5	Steer 05	Serum	Primary	7782-49-2	Selenium	0.351	0.005	EDL	ug/g	Wet Wt	1			9/15/1999	ICP, Hydride	VGICP_09-22-99	0922SEH	9/20/1999	9/22/1999	10:02	
Grazing	VSP99-37	V9903566	#6	Steer 06	Serum	Primary	7782-49-2	Selenium	0.653	0.005	EDL	ug/g	Wet Wt	1			9/15/1999	ICP, Hydride	VGICP_09-22-99	0922SEH	9/20/1999	9/22/1999	10:04	
Grazing	VSP99-37	V9903567	#7	Steer 07	Serum	Primary	7782-49-2	Selenium	0.809	0.005	EDL	ug/g	Wet Wt	1			9/15/1999	ICP, Hydride	VGICP_09-22-99	0922SEH	9/20/1999	9/22/1999	10:07	
Grazing	VSP99-37	V9903568	#8	Steer 08	Serum	Primary	7782-49-2	Selenium	0.285	0.005	EDL	ug/g	Wet Wt	1			9/15/1999	ICP, Hydride	VGICP_09-22-99	0922SEH	9/20/1999	9/22/1999	10:10	
Grazing	VSP99-37	V9903569	#9	Steer 09	Serum	Primary	7782-49-2	Selenium	0.819	0.005	EDL	ug/g	Wet Wt	1			9/15/1999	ICP, Hydride	VGICP_09-22-99	0922SEH	9/20/1999	9/22/1999	10:13	
Grazing	VSP99-37	V9903570	#10	Steer 10	Serum	Primary	7782-49-2	Selenium	0.562	0.005	EDL	ug/g	Wet Wt	1			9/15/1999	ICP, Hydride	VGICP_09-22-99	0922SEH	9/20/1999	9/22/1999	10:16	
Grazing	VSP99-37	V9903571	#11	Steer 11	Serum	Primary	7782-49-2	Selenium	0.358	0.005	EDL	ug/g	Wet Wt	1			9/15/1999	ICP, Hydride	VGICP_09-22-99	0922SEH	9/20/1999	9/22/1999	10:19	
Grazing	VSP99-37	V9903572	#12	Steer 12	Serum	Primary	7782-49-2	Selenium	0.386	0.005	EDL	ug/g	Wet Wt	1			9/15/1999	ICP, Hydride	VGICP_09-22-99	0922SEH	9/20/1999	9/22/1999	10:22	
Grazing	VSP99-37	V9903573	#13	Steer 13	Serum	Primary	7782-49-2	Selenium	0.54	0.005	EDL	ug/g	Wet Wt	1			9/15/1999	ICP, Hydride	VGICP_09-22-99	0922SEH	9/20/1999	9/22/1999	10:24	
Grazing	VSP99-37	V9903574	#14	Steer 14	Serum	Primary	7782-49-2	Selenium	0.561	0.005	EDL	ug/g	Wet Wt	1			9/15/1999	ICP, Hydride	VGICP_09-22-99	0922SEH	9/20/1999	9/22/1999	10:27	
Grazing	VSP99-37	V9903575	#15	Steer 15	Serum	Primary	7782-49-2	Selenium	0.64	0.005	EDL	ug/g	Wet Wt	1			9/15/1999	ICP, Hydride	VGICP_09-22-99	0922SEH	9/20/1999	9/22/1999	10:30	
Grazing	VSP99-37	V9903576	#16	Steer 16	Serum	Primary	7782-49-2	Selenium	0.074	0.005	EDL	ug/g	Wet Wt	1			9/15/1999	ICP, Hydride	VGICP_09-22-99	0922SEH	9/20/1999	9/22/1999	10:33	
Grazing	VSP99-37	V9903577	#17	Steer 17	Serum	Primary	7782-49-2	Selenium	0.066	0.005	EDL	ug/g	Wet Wt	1			9/15/1999	ICP, Hydride	VGICP_09-22-99	0922SEH	9/20/1999	9/22/1999	10:36	
Grazing	VSP99-37	V9903578	#18	Steer 18	Serum	Primary	7782-49-2	Selenium	0.0819	0.005	EDL	ug/g	Wet Wt	1			9/15/1999	ICP, Hydride	VGICP_09-22-99	0922SEH	9/20/1999	9/22/1999	10:39	
Grazing	VSP99-37	HRL2	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.502	0.005	EDL	ug/g	Wet Wt	1	0.446	113	NA	ICP, Hydride	VGICP_09-22-99	0922SEH	9/20/1999	9/22/1999	10:41	
Grazing	VSP99-37	HRL	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.396	0.005	EDL	ug/g	Wet Wt	1	0.446	89	NA	ICP, Hydride	VGICP_09-23-99	0923SEH	9/21/1999	9/23/1999	9:30	
Grazing	VSP99-37	V9903579	1	Steer 01	Blood	Primary	7782-49-2	Selenium	1.55	0.005	EDL	ug/g	Wet Wt	1			9/15/1999	ICP, Hydride	VGICP_09-23-99	0923SEH	9/21/1999	9/23/1999	9:33	
Grazing	VSP99-37	V9903580	2	Steer 02	Blood	Primary	7782-49-2	Selenium	4.83	0.005	EDL	ug/g	Wet Wt	1			9/15/1999	ICP, Hydride	VGICP_09-23-99	0923SEH	9/21/1999	9/23/1999	9:35	
Grazing	VSP99-37	V9903581	3	Steer 03	Blood	Primary	7782-49-2	Selenium	4.46	0.005	EDL	ug/g	Wet Wt	1			9/15/1999	ICP, Hydride	VGICP_09-23-99	0923SEH	9/21/1999	9/23/1999	9:38	
Grazing	VSP99-37	V9903582	4	Steer 04	Blood	Primary	7782-49-2	Selenium	2.28	0.005	EDL	ug/g	Wet Wt	1			9/15/1999	ICP, Hydride	VGICP_09-23-99	0923SEH	9/21/1999	9/23/1999	9:41	
Grazing	VSP99-37	V9903583	5	Steer 05	Blood	Primary	7782-49-2	Selenium	1.51	0.005	EDL	ug/g	Wet Wt	1			9/15/1999	ICP, Hydride	VGICP_09-23-99	0923SEH	9/21/1999	9/23/1999	9:44	
Grazing	VSP99-37	V9903584	6	Steer 06	Blood	Primary	7782-49-2	Selenium	2.75	0.005	EDL	ug/g	Wet Wt	1			9/15/1999	ICP, Hydride	VGICP_09-23-99	0923SEH	9/21/1999	9/23/1999	9:47	
Grazing	VSP99-37	V9903585	7	Steer 07	Blood	Primary	7782-49-2	Selenium	3.03	0.005	EDL	ug/g	Wet Wt	1			9/15/1999	ICP, Hydride	VGICP_09-23-99	0923SEH	9/21/1999	9/23/1999	9:50	

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Grazing	VSP99-37	V9903586	8	Steer 08	Blood	Primary	7782-49-2	Selenium	1.27	0.005	EDL	ug/g	Wet Wt	1			9/15/1999	ICP, Hydride	VGICP_09-23-99	0923SEH	9/21/1999	9/23/1999	9:53	
Grazing	VSP99-37	HRL1	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.423	0.005	EDL	ug/g	Wet Wt	1	0.446	95	NA	ICP, Hydride	VGICP_09-23-99	0923SEH	9/21/1999	9/23/1999	9:56	
Grazing	VSP99-37	V9903587	9	Steer 09	Blood	Primary	7782-49-2	Selenium	3.1	0.005	EDL	ug/g	Wet Wt	1			9/15/1999	ICP, Hydride	VGICP_09-23-99	0923SEH	9/21/1999	9/23/1999	9:58	
Grazing	VSP99-37	V9903588	10	Steer 10	Blood	Primary	7782-49-2	Selenium	2.48	0.005	EDL	ug/g	Wet Wt	1			9/15/1999	ICP, Hydride	VGICP_09-23-99	0923SEH	9/21/1999	9/23/1999	10:01	
Grazing	VSP99-37	V9903589	11	Steer 11	Blood	Primary	7782-49-2	Selenium	2.07	0.005	EDL	ug/g	Wet Wt	1			9/15/1999	ICP, Hydride	VGICP_09-23-99	0923SEH	9/21/1999	9/23/1999	10:04	
Grazing	VSP99-37	V9903590	13-1	Steer 13	Blood	Primary	7782-49-2	Selenium	2.4	0.005	EDL	ug/g	Wet Wt	1			9/15/1999	ICP, Hydride	VGICP_09-23-99	0923SEH	9/21/1999	9/23/1999	10:07	
Grazing	VSP99-37	V9903591	12	Steer 12	Blood	Primary	7782-49-2	Selenium	1.96	0.005	EDL	ug/g	Wet Wt	1			9/15/1999	ICP, Hydride	VGICP_09-23-99	0923SEH	9/21/1999	9/23/1999	10:10	
Grazing	VSP99-37	V9903592	13-2	Steer 13	Blood	Primary	7782-49-2	Selenium	1.92	0.005	EDL	ug/g	Wet Wt	1			9/15/1999	ICP, Hydride	VGICP_09-23-99	0923SEH	9/21/1999	9/23/1999	10:13	
Grazing	VSP99-37	V9903593	14	Steer 14	Blood	Primary	7782-49-2	Selenium	1.94	0.005	EDL	ug/g	Wet Wt	1			9/15/1999	ICP, Hydride	VGICP_09-23-99	0923SEH	9/21/1999	9/23/1999	10:15	
Grazing	VSP99-37	V9903594	16	Steer 16	Blood	Primary	7782-49-2	Selenium	0.18	0.005	EDL	ug/g	Wet Wt	1			9/15/1999	ICP, Hydride	VGICP_09-23-99	0923SEH	9/21/1999	9/23/1999	10:18	
Grazing	VSP99-37	V9903595	17	Steer 17	Blood	Primary	7782-49-2	Selenium	0.134	0.005	EDL	ug/g	Wet Wt	1			9/15/1999	ICP, Hydride	VGICP_09-23-99	0923SEH	9/21/1999	9/23/1999	10:21	
Grazing	VSP99-37	V9903596	18	Steer 18	Blood	Primary	7782-49-2	Selenium	0.178	0.005	EDL	ug/g	Wet Wt	1			9/15/1999	ICP, Hydride	VGICP_09-23-99	0923SEH	9/21/1999	9/23/1999	10:24	
Grazing	VSP99-37	HRL2	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.431	0.005	EDL	ug/g	Wet Wt	1	0.446	97	NA	ICP, Hydride	VGICP_09-23-99	0923SEH	9/21/1999	9/23/1999	10:27	
Grazing	VSP99-37	APG 7878-1	APG 7878	NA	Lab QC	CCV	7439-98-7	Molybdenum	0.08379	0.007	EDL	ug/g	Wet Wt	1	0.0872	96	NA	Graphite Furnace	GF_10-1-99	093099MO	9/24/1999	9/30/1999	16:45	
Grazing	VSP99-37	V9903599	1	Steer 01	Plasma	Primary	7439-98-7	Molybdenum	0.04102	0.007	EDL	ug/g	Wet Wt	1			9/15/1999	Graphite Furnace	GF_10-1-99	093099MO	9/24/1999	9/30/1999	16:53	
Grazing	VSP99-37	V9903600	2	Steer 02	Plasma	Primary	7439-98-7	Molybdenum	0.05847	0.007	EDL	ug/g	Wet Wt	1			9/15/1999	Graphite Furnace	GF_10-1-99	093099MO	9/24/1999	9/30/1999	16:57	
Grazing	VSP99-37	V9903601	3	Steer 03	Plasma	Primary	7439-98-7	Molybdenum	0.06328	0.007	EDL	ug/g	Wet Wt	1			9/15/1999	Graphite Furnace	GF_10-1-99	093099MO	9/24/1999	9/30/1999	17:01	
Grazing	VSP99-37	V9903602	4	Steer 04	Plasma	Primary	7439-98-7	Molybdenum	0.05768	0.007	EDL	ug/g	Wet Wt	1			9/15/1999	Graphite Furnace	GF_10-1-99	093099MO	9/24/1999	9/30/1999	17:05	
Grazing	VSP99-37	V9903603	5	Steer 05	Plasma	Primary	7439-98-7	Molybdenum	0.06828	0.007	EDL	ug/g	Wet Wt	1			9/15/1999	Graphite Furnace	GF_10-1-99	093099MO	9/24/1999	9/30/1999	17:09	
Grazing	VSP99-37	V9903604	6	Steer 06	Plasma	Primary	7439-98-7	Molybdenum	0.05618	0.007	EDL	ug/g	Wet Wt	1			9/15/1999	Graphite Furnace	GF_10-1-99	093099MO	9/24/1999	9/30/1999	17:13	
Grazing	VSP99-37	V9903605	7	Steer 07	Plasma	Primary	7439-98-7	Molybdenum	0.05833	0.007	EDL	ug/g	Wet Wt	1			9/15/1999	Graphite Furnace	GF_10-1-99	093099MO	9/24/1999	9/30/1999	17:17	
Grazing	VSP99-37	APG 7878-2	APG 7878	NA	Lab QC	CCV	7439-98-7	Molybdenum	0.08579	0.007	EDL	ug/g	Wet Wt	1	0.0872	98	NA	Graphite Furnace	GF_10-1-99	093099MO	9/24/1999	9/30/1999	17:21	
Grazing	VSP99-37	V9903606	8	Steer 08	Plasma	Primary	7439-98-7	Molybdenum	0.02846	0.007	EDL	ug/g	Wet Wt	1			9/15/1999	Graphite Furnace	GF_10-1-99	093099MO	9/24/1999	9/30/1999	17:25	
Grazing	VSP99-37	V9903607	9	Steer 09	Plasma	Primary	7439-98-7	Molybdenum	0.04035	0.007	EDL	ug/g	Wet Wt	1			9/15/1999	Graphite Furnace	GF_10-1-99	093099MO	9/24/1999	9/30/1999	17:29	
Grazing	VSP99-37	V9903608	10	Steer 10	Plasma	Primary	7439-98-7	Molybdenum	0.05474	0.007	EDL	ug/g	Wet Wt	1			9/15/1999	Graphite Furnace	GF_10-1-99	093099MO	9/24/1999	9/30/1999	17:33	
Grazing	VSP99-37	V9903609	11	Steer 11	Plasma	Primary	7439-98-7	Molybdenum	0.07063	0.007	EDL	ug/g	Wet Wt	1			9/15/1999	Graphite Furnace	GF_10-1-99	093099MO	9/24/1999	9/30/1999	17:37	
Grazing	VSP99-37	V9903610	12	Steer 12	Plasma	Primary	7439-98-7	Molybdenum	0.1517	0.007	EDL	ug/g	Wet Wt	1			9/15/1999	Graphite Furnace	GF_10-1-99	093099MO	9/24/1999	9/30/1999	17:41	
Grazing	VSP99-37	V9903611	13	Steer 13	Plasma	Primary	7439-98-7	Molybdenum	0.03648	0.007	EDL	ug/g	Wet Wt	1			9/15/1999	Graphite Furnace	GF_10-1-99	093099MO	9/24/1999	9/30/1999	17:45	
Grazing	VSP99-37	V9903612	14	Steer 14	Plasma	Primary	7439-98-7	Molybdenum	0.02467	0.007	EDL	ug/g	Wet Wt	1			9/15/1999	Graphite Furnace	GF_10-1-99	093099MO	9/24/1999	9/30/1999	17:49	
Grazing	VSP99-37	V9903613	15	Steer 15	Plasma	Primary	7439-98-7	Molybdenum	0.06313	0.007	EDL	ug/g	Wet Wt	1			9/15/1999	Graphite Furnace	GF_10-1-99	093099MO	9/24/1999	9/30/1999	17:53	
Grazing	VSP99-37	V9903614	16	Steer 16	Plasma	Primary	7439-98-7	Molybdenum	0.03337	0.007	EDL	ug/g	Wet Wt	1			9/15/1999	Graphite Furnace	GF_10-1-99	093099MO	9/24/1999	9/30/1999	17:57	
Grazing	VSP99-37	V9903615	17	Steer 17	Plasma	Primary	7439-98-7	Molybdenum	0.0272	0.007	EDL	ug/g	Wet Wt	1			9/15/1999	Graphite Furnace	GF_10-1-99	093099MO	9/24/1999	9/30/1999	18:01	
Grazing	VSP99-37	V9903616	18	Steer 18	Plasma	Primary	7439-98-7	Molybdenum	0.03673	0.007	EDL	ug/g	Wet Wt	1			9/15/1999	Graphite Furnace	GF_10-1-99	093099MO	9/24/1999	9/30/1999	18:05	
Grazing	VSP99-37	APG 7878-3	APG 7878	NA	Lab QC	CCV	7439-98-7	Molybdenum	0.08154	0.007	EDL	ug/g	Wet Wt	1	0.0872	94	NA	Graphite Furnace	GF_10-1-99	093099MO	9/24/1999	9/30/1999	18:09	
Grazing	VSP99-37	7140	Sigma S-7140	NA	Lab QC	CCV	9029-97-4	Zinc	1.21	0.080	EDL	ug/g	Wet Wt	1	1.3	93	NA	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	14:17	
Grazing	VSP99-37	7140	Sigma S-7140	NA	Lab QC	CCV	7803-51-2	Phosphorus	78.1	2.000	EDL	ug/g	Wet Wt	1	83.8	93	NA	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	14:17	
Grazing	VSP99-37	7140	Sigma S-7140	NA	Lab QC	CCV	8053-60-9	Iron	1.74	0.220	EDL	ug/g	Wet Wt	1	1.7	102	NA	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	14:17	
Grazing	VSP99-37	7140	Sigma S-7140	NA	Lab QC	CCV	7439-95-4	Magnesium	24.3	0.040	EDL	ug/g	Wet Wt	1	24.6	99	NA	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	14:17	
Grazing	VSP99-37	7140	Sigma S-7140	NA	Lab QC	CCV	7440-50-8	Copper	1.3	0.700	EDL	ug/g	Wet Wt	1	1.33	98	NA	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	14:17	
Grazing	VSP99-37	7140	Sigma S-7140	NA	Lab QC	CCV	8047-59-4	Calcium	115	0.070	EDL	ug/g	Wet Wt	1	109	106	NA	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	14:17	
Grazing	VSP99-37	V9903561	#1	Steer 01	Serum	Primary	9029-97-4	Zinc	1.14	0.080	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	14:20	
Grazing	VSP99-37	V9903561	#1	Steer 01	Serum	Primary	7803-51-2	Phosphorus	75.6	2.000	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	14:20	
Grazing	VSP99-37	V9903561	#1	Steer 01	Serum	Primary	8053-60-9	Iron	3.48	0.220	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	14:20	
Grazing	VSP99-37	V9903561	#1	Steer 01	Serum	Primary	7439-95-4	Magnesium	21.5	0.040	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	14:20	
Grazing	VSP99-37	V9903561	#1	Steer 01	Serum	Primary	7440-50-8	Copper	0.368	0.700	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	14:20	
Grazing	VSP99-37	V9903561	#1	Steer 01	Serum	Primary	8047-59-4	Calcium	119	0.070	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	14:20	
Grazing	VSP99-37	V9903562	#2	Steer 02	Serum	Primary	9029-97-4	Zinc	1.02	0.080	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	14:23	
Grazing	VSP99-37	V9903562	#2	Steer 02	Serum	Primary	7803-51-2	Phosphorus	104	2.000	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	14:23	
Grazing	VSP99-37	V9903562	#2	Steer 02	Serum	Primary	8053-60-9	Iron	2.66	0.220	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	14:23	
Grazing	VSP99-37	V9903562	#2	Steer 02	Serum	Primary	7439-95-4	Magnesium	22.1	0.040	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	14:23	
Grazing	VSP99-37	V9903562	#2	Steer 02	Serum	Primary	7440-50-8	Copper	0.15	0.700	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	14:23	
Grazing	VSP99-37	V9903562	#2	Steer 02	Serum	Primary	8047-59-4	Calcium	121	0.070	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	14:23	
Grazing	VSP99-37	V9903563	#3	Steer 03	Serum	Primary	9029-97-4	Zinc	1.19	0.080	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	14:26	
Grazing	VSP99-37	V9903563	#3	Steer 03	Serum	Primary	7803-51-2	Phosphorus	66.1	2.000	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	14:26	
Grazing	VSP99-37	V9903563	#3	Steer 03	Serum	Primary	8053-60-9	Iron	2.58	0.220	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	14:26	
Grazing	VSP99-37	V9903563	#3	Steer 03	Serum	Primary	7439-95-4	Magnesium	27.5	0.040	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	14:26	
Grazing	VSP99-37	V9903563	#3	Steer 03	Serum	Primary	7440-50-8	Copper	0.517	0.700	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	14:26	
Grazing	VSP99-37	V9903563	#3	Steer 03	Serum	Primary	8047-59-4	Calcium	126	0.070	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	14:26	

ATTACHMENT A
MWH EDD - 1999 - 2000 CATTLE TISSUE AND BLOOD DATA

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Grazing	VSP99-37	V9903564	#4	Steer 04	Serum	Primary	9029-97-4	Zinc	1.05	0.080	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	14:29	
Grazing	VSP99-37	V9903564	#4	Steer 04	Serum	Primary	7803-51-2	Phosphorus	64.9	2.000	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	14:29	
Grazing	VSP99-37	V9903564	#4	Steer 04	Serum	Primary	8053-60-9	Iron	1.58	0.220	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	14:29	
Grazing	VSP99-37	V9903564	#4	Steer 04	Serum	Primary	7439-95-4	Magnesium	20.7	0.040	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	14:29	
Grazing	VSP99-37	V9903564	#4	Steer 04	Serum	Primary	7440-50-8	Copper	0.673	0.700	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	14:29	
Grazing	VSP99-37	V9903564	#4	Steer 04	Serum	Primary	8047-59-4	Calcium	119	0.070	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	14:29	
Grazing	VSP99-37	V9903565	#5	Steer 05	Serum	Primary	9029-97-4	Zinc	0.908	0.080	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	14:33	
Grazing	VSP99-37	V9903565	#5	Steer 05	Serum	Primary	7803-51-2	Phosphorus	67.4	2.000	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	14:33	
Grazing	VSP99-37	V9903565	#5	Steer 05	Serum	Primary	8053-60-9	Iron	2.19	0.220	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	14:33	
Grazing	VSP99-37	V9903565	#5	Steer 05	Serum	Primary	7439-95-4	Magnesium	24.9	0.040	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	14:33	
Grazing	VSP99-37	V9903565	#5	Steer 05	Serum	Primary	7440-50-8	Copper	0.728	0.700	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	14:33	
Grazing	VSP99-37	V9903565	#5	Steer 05	Serum	Primary	8047-59-4	Calcium	124	0.070	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	14:33	
Grazing	VSP99-37	V9903566	#6	Steer 06	Serum	Primary	9029-97-4	Zinc	1.21	0.080	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	14:36	
Grazing	VSP99-37	V9903566	#6	Steer 06	Serum	Primary	7803-51-2	Phosphorus	76.8	2.000	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	14:36	
Grazing	VSP99-37	V9903566	#6	Steer 06	Serum	Primary	8053-60-9	Iron	1.64	0.220	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	14:36	
Grazing	VSP99-37	V9903566	#6	Steer 06	Serum	Primary	7439-95-4	Magnesium	22	0.040	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	14:36	
Grazing	VSP99-37	V9903566	#6	Steer 06	Serum	Primary	7440-50-8	Copper	0.53	0.700	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	14:36	
Grazing	VSP99-37	V9903566	#6	Steer 06	Serum	Primary	8047-59-4	Calcium	123	0.070	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	14:36	
Grazing	VSP99-37	V9903567	#7	Steer 07	Serum	Primary	9029-97-4	Zinc	1.16	0.080	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	14:39	
Grazing	VSP99-37	V9903567	#7	Steer 07	Serum	Primary	7803-51-2	Phosphorus	82.8	2.000	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	14:39	
Grazing	VSP99-37	V9903567	#7	Steer 07	Serum	Primary	8053-60-9	Iron	1.82	0.220	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	14:39	
Grazing	VSP99-37	V9903567	#7	Steer 07	Serum	Primary	7439-95-4	Magnesium	25.4	0.040	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	14:39	
Grazing	VSP99-37	V9903567	#7	Steer 07	Serum	Primary	7440-50-8	Copper	0.52	0.700	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	14:39	
Grazing	VSP99-37	V9903567	#7	Steer 07	Serum	Primary	8047-59-4	Calcium	123	0.070	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	14:39	
Grazing	VSP99-37	V9903568	#8	Steer 08	Serum	Primary	9029-97-4	Zinc	0.918	0.080	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	14:42	
Grazing	VSP99-37	V9903568	#8	Steer 08	Serum	Primary	7803-51-2	Phosphorus	63.8	2.000	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	14:42	
Grazing	VSP99-37	V9903568	#8	Steer 08	Serum	Primary	8053-60-9	Iron	1.61	0.220	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	14:42	
Grazing	VSP99-37	V9903568	#8	Steer 08	Serum	Primary	7439-95-4	Magnesium	19.8	0.040	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	14:42	
Grazing	VSP99-37	V9903568	#8	Steer 08	Serum	Primary	7440-50-8	Copper	0.422	0.700	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	14:42	
Grazing	VSP99-37	V9903568	#8	Steer 08	Serum	Primary	8047-59-4	Calcium	90.9	0.070	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	14:42	
Grazing	VSP99-37	7140-1	Sigma S-7140	NA	Lab QC	CCV	9029-97-4	Zinc	1.17	0.080	EDL	ug/g	Wet Wt	1	1.3	90	NA	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	14:45	
Grazing	VSP99-37	7140-1	Sigma S-7140	NA	Lab QC	CCV	7803-51-2	Phosphorus	73.7	2.000	EDL	ug/g	Wet Wt	1	83.8	88	NA	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	14:45	
Grazing	VSP99-37	7140-1	Sigma S-7140	NA	Lab QC	CCV	8053-60-9	Iron	2.32	0.220	EDL	ug/g	Wet Wt	1	1.7	136	NA	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	14:45	
Grazing	VSP99-37	7140-1	Sigma S-7140	NA	Lab QC	CCV	7439-95-4	Magnesium	23.7	0.040	EDL	ug/g	Wet Wt	1	24.6	96	NA	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	14:45	
Grazing	VSP99-37	7140-1	Sigma S-7140	NA	Lab QC	CCV	7440-50-8	Copper	1.23	0.700	EDL	ug/g	Wet Wt	1	1.33	92	NA	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	14:45	
Grazing	VSP99-37	7140-1	Sigma S-7140	NA	Lab QC	CCV	8047-59-4	Calcium	113	0.070	EDL	ug/g	Wet Wt	1	109	104	NA	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	14:45	
Grazing	VSP99-37	V9903569	#9	Steer 09	Serum	Primary	9029-97-4	Zinc	1.43	0.080	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	15:05	
Grazing	VSP99-37	V9903569	#9	Steer 09	Serum	Primary	7803-51-2	Phosphorus	115	2.000	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	15:05	
Grazing	VSP99-37	V9903569	#9	Steer 09	Serum	Primary	8053-60-9	Iron	1.56	0.220	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	15:05	
Grazing	VSP99-37	V9903569	#9	Steer 09	Serum	Primary	7439-95-4	Magnesium	33.8	0.040	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	15:05	
Grazing	VSP99-37	V9903569	#9	Steer 09	Serum	Primary	7440-50-8	Copper	0.652	0.700	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	15:05	
Grazing	VSP99-37	V9903569	#9	Steer 09	Serum	Primary	8047-59-4	Calcium	142	0.070	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	15:05	
Grazing	VSP99-37	V9903570	#10	Steer 10	Serum	Primary	9029-97-4	Zinc	1.11	0.080	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	15:08	
Grazing	VSP99-37	V9903570	#10	Steer 10	Serum	Primary	7803-51-2	Phosphorus	59.9	2.000	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	15:08	
Grazing	VSP99-37	V9903570	#10	Steer 10	Serum	Primary	8053-60-9	Iron	1.9	0.220	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	15:08	
Grazing	VSP99-37	V9903570	#10	Steer 10	Serum	Primary	7439-95-4	Magnesium	23.7	0.040	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	15:08	
Grazing	VSP99-37	V9903570	#10	Steer 10	Serum	Primary	7440-50-8	Copper	0.576	0.700	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	15:08	
Grazing	VSP99-37	V9903570	#10	Steer 10	Serum	Primary	8047-59-4	Calcium	114	0.070	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	15:08	
Grazing	VSP99-37	V9903571	#11	Steer 11	Serum	Primary	9029-97-4	Zinc	1.29	0.080	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	15:11	
Grazing	VSP99-37	V9903571	#11	Steer 11	Serum	Primary	7803-51-2	Phosphorus	83.7	2.000	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	15:11	
Grazing	VSP99-37	V9903571	#11	Steer 11	Serum	Primary	8053-60-9	Iron	2.25	0.220	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	15:11	
Grazing	VSP99-37	V9903571	#11	Steer 11	Serum	Primary	7439-95-4	Magnesium	23	0.040	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	15:11	
Grazing	VSP99-37	V9903571	#11	Steer 11	Serum	Primary	7440-50-8	Copper	0.357	0.700	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	15:11	
Grazing	VSP99-37	V9903571	#11	Steer 11	Serum	Primary	8047-59-4	Calcium	128	0.070	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	15:11	
Grazing	VSP99-37	V9903572	#12	Steer 12	Serum	Primary	9029-97-4	Zinc	0.814	0.080	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	15:14	
Grazing	VSP99-37	V9903572	#12	Steer 12	Serum	Primary	7803-51-2	Phosphorus	65.3	2.000	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	15:14	
Grazing	VSP99-37	V9903572	#12	Steer 12	Serum	Primary	8053-60-9	Iron	2.01	0.220	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	15:14	
Grazing	VSP99-37	V9903572	#12	Steer 12	Serum	Primary	7439-95-4	Magnesium	23.7	0.040	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	15:14	

ATTACHMENT A
MWH EDD - 1999 - 2000 CATTLE TISSUE AND BLOOD DATA

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Grazing	VSP99-37	V9903572	#12	Steer 12	Serum	Primary	7440-50-8	Copper	0.645	0.700	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	15:14	
Grazing	VSP99-37	V9903572	#12	Steer 12	Serum	Primary	8047-59-4	Calcium	121	0.070	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	15:14	
Grazing	VSP99-37	V9903573	#13	Steer 13	Serum	Primary	9029-97-4	Zinc	1.08	0.080	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	15:17	
Grazing	VSP99-37	V9903573	#13	Steer 13	Serum	Primary	7803-51-2	Phosphorus	86.7	2.000	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	15:17	
Grazing	VSP99-37	V9903573	#13	Steer 13	Serum	Primary	8053-60-9	Iron	2.2	0.220	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	15:17	
Grazing	VSP99-37	V9903573	#13	Steer 13	Serum	Primary	7439-95-4	Magnesium	21.2	0.040	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	15:17	
Grazing	VSP99-37	V9903573	#13	Steer 13	Serum	Primary	7440-50-8	Copper	0.528	0.700	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	15:17	
Grazing	VSP99-37	V9903573	#13	Steer 13	Serum	Primary	8047-59-4	Calcium	125	0.070	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	15:17	
Grazing	VSP99-37	V9903574	#14	Steer 14	Serum	Primary	9029-97-4	Zinc	1.14	0.080	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	15:20	
Grazing	VSP99-37	V9903574	#14	Steer 14	Serum	Primary	7803-51-2	Phosphorus	69	2.000	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	15:20	
Grazing	VSP99-37	V9903574	#14	Steer 14	Serum	Primary	8053-60-9	Iron	2	0.220	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	15:20	
Grazing	VSP99-37	V9903574	#14	Steer 14	Serum	Primary	7439-95-4	Magnesium	22.4	0.040	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	15:20	
Grazing	VSP99-37	V9903574	#14	Steer 14	Serum	Primary	7440-50-8	Copper	0.695	0.700	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	15:20	
Grazing	VSP99-37	V9903574	#14	Steer 14	Serum	Primary	8047-59-4	Calcium	117	0.070	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	15:20	
Grazing	VSP99-37	V9903575	#15	Steer 15	Serum	Primary	9029-97-4	Zinc	0.748	0.080	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	15:23	
Grazing	VSP99-37	V9903575	#15	Steer 15	Serum	Primary	7803-51-2	Phosphorus	76.3	2.000	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	15:23	
Grazing	VSP99-37	V9903575	#15	Steer 15	Serum	Primary	8053-60-9	Iron	1.46	0.220	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	15:23	
Grazing	VSP99-37	V9903575	#15	Steer 15	Serum	Primary	7439-95-4	Magnesium	19	0.040	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	15:23	
Grazing	VSP99-37	V9903575	#15	Steer 15	Serum	Primary	7440-50-8	Copper	0.494	0.700	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	15:23	
Grazing	VSP99-37	V9903575	#15	Steer 15	Serum	Primary	8047-59-4	Calcium	114	0.070	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	15:23	
Grazing	VSP99-37	V9903576	#16	Steer 16	Serum	Primary	9029-97-4	Zinc	1.15	0.080	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	15:26	
Grazing	VSP99-37	V9903576	#16	Steer 16	Serum	Primary	7803-51-2	Phosphorus	60.4	2.000	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	15:26	
Grazing	VSP99-37	V9903576	#16	Steer 16	Serum	Primary	8053-60-9	Iron	30.9	0.220	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	15:26	
Grazing	VSP99-37	V9903576	#16	Steer 16	Serum	Primary	7439-95-4	Magnesium	22	0.040	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	15:26	
Grazing	VSP99-37	V9903576	#16	Steer 16	Serum	Primary	7440-50-8	Copper	0.731	0.700	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	15:26	
Grazing	VSP99-37	V9903576	#16	Steer 16	Serum	Primary	8047-59-4	Calcium	136	0.070	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	15:26	
Grazing	VSP99-37	V9903577	#17	Steer 17	Serum	Primary	9029-97-4	Zinc	0.997	0.080	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	15:29	
Grazing	VSP99-37	V9903577	#17	Steer 17	Serum	Primary	7803-51-2	Phosphorus	82.7	2.000	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	15:29	
Grazing	VSP99-37	V9903577	#17	Steer 17	Serum	Primary	8053-60-9	Iron	1.9	0.220	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	15:29	
Grazing	VSP99-37	V9903577	#17	Steer 17	Serum	Primary	7439-95-4	Magnesium	21.1	0.040	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	15:29	
Grazing	VSP99-37	V9903577	#17	Steer 17	Serum	Primary	7440-50-8	Copper	0.56	0.700	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	15:29	
Grazing	VSP99-37	V9903577	#17	Steer 17	Serum	Primary	8047-59-4	Calcium	128	0.070	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	15:29	
Grazing	VSP99-37	7140-2	Sigma S-7140	NA	Lab QC	CCV	9029-97-4	Zinc	1.17	0.080	EDL	ug/g	Wet Wt	1	1.14	103	NA	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	15:39	
Grazing	VSP99-37	7140-2	Sigma S-7140	NA	Lab QC	CCV	7803-51-2	Phosphorus	73.7	2.000	EDL	ug/g	Wet Wt	1	69	107	NA	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	15:39	
Grazing	VSP99-37	7140-2	Sigma S-7140	NA	Lab QC	CCV	8053-60-9	Iron	2.32	0.220	EDL	ug/g	Wet Wt	1	1.95	119	NA	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	15:39	
Grazing	VSP99-37	7140-2	Sigma S-7140	NA	Lab QC	CCV	7439-95-4	Magnesium	23.7	0.040	EDL	ug/g	Wet Wt	1	45.6	52	NA	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	15:39	
Grazing	VSP99-37	7140-2	Sigma S-7140	NA	Lab QC	CCV	7440-50-8	Copper	1.23	0.700	EDL	ug/g	Wet Wt	1	1.21	102	NA	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	15:39	
Grazing	VSP99-37	7140-2	Sigma S-7140	NA	Lab QC	CCV	8047-59-4	Calcium	113	0.070	EDL	ug/g	Wet Wt	1	111	102	NA	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	15:39	
Grazing	VSP99-37	V9903578	#18	Steer 18	Serum	Primary	9029-97-4	Zinc	1.16	0.080	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	15:50	
Grazing	VSP99-37	V9903578	#18	Steer 18	Serum	Primary	7803-51-2	Phosphorus	72.8	2.000	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	15:50	
Grazing	VSP99-37	V9903578	#18	Steer 18	Serum	Primary	8053-60-9	Iron	1.41	0.220	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	15:50	
Grazing	VSP99-37	V9903578	#18	Steer 18	Serum	Primary	7439-95-4	Magnesium	19.2	0.040	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	15:50	
Grazing	VSP99-37	V9903578	#18	Steer 18	Serum	Primary	7440-50-8	Copper	0.408	0.700	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	15:50	
Grazing	VSP99-37	V9903578	#18	Steer 18	Serum	Primary	8047-59-4	Calcium	122	0.070	EDL	ug/g	Wet Wt	1			9/15/1999	ICP - TES	TESICP_09-20-99	0920TESS2	9/17/1999	9/20/1999	15:50	
Grazing	VSP99-70	HRL1	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.411	0.005	EDL	ug/g	Wet Wt	1	0.446	92	NA	ICP, Hydride	VGICP_10-04-99	1001SEH	9/29/1999	10/4/1999	10:07	
Grazing	VSP99-70	V9903785	#1	Steer 01	Blood	Primary	7782-49-2	Selenium	1.36	0.005	EDL	ug/g	Wet Wt	1			9/27/1999	ICP, Hydride	VGICP_10-04-99	1001SEH	9/29/1999	10/4/1999	10:10	
Grazing	VSP99-70	V9903786	#2	Steer 02	Blood	Primary	7782-49-2	Selenium	4.18	0.005	EDL	ug/g	Wet Wt	1			9/27/1999	ICP, Hydride	VGICP_10-04-99	1001SEH	9/29/1999	10/4/1999	10:13	
Grazing	VSP99-70	V9903787	#3	Steer 03	Blood	Primary	7782-49-2	Selenium	3.58	0.005	EDL	ug/g	Wet Wt	1			9/27/1999	ICP, Hydride	VGICP_10-04-99	1001SEH	9/29/1999	10/4/1999	10:16	
Grazing	VSP99-70	V9903788	#4	Steer 04	Blood	Primary	7782-49-2	Selenium	2.12	0.005	EDL	ug/g	Wet Wt	1			9/27/1999	ICP, Hydride	VGICP_10-04-99	1001SEH	9/29/1999	10/4/1999	10:19	
Grazing	VSP99-70	V9903789	#5	Steer 05	Blood	Primary	7782-49-2	Selenium	1.36	0.005	EDL	ug/g	Wet Wt	1			9/27/1999	ICP, Hydride	VGICP_10-04-99	1001SEH	9/29/1999	10/4/1999	10:21	
Grazing	VSP99-70	V9903790	#6	Steer 06	Blood	Primary	7782-49-2	Selenium	2.26	0.005	EDL	ug/g	Wet Wt	1			9/27/1999	ICP, Hydride	VGICP_10-04-99	1001SEH	9/29/1999	10/4/1999	10:24	
Grazing	VSP99-70	V9903791	#7	Steer 07	Blood	Primary	7782-49-2	Selenium	2.48	0.005	EDL	ug/g	Wet Wt	1			9/27/1999	ICP, Hydride	VGICP_10-04-99	1001SEH	9/29/1999	10/4/1999	10:27	
Grazing	VSP99-70	V9903792	#8	Steer 08	Blood	Primary	7782-49-2	Selenium	1.21	0.005	EDL	ug/g	Wet Wt	1			9/27/1999	ICP, Hydride	VGICP_10-04-99	1001SEH	9/29/1999	10/4/1999	10:30	
Grazing	VSP99-70	V9903793	#9	Steer 09	Blood	Primary	7782-49-2	Selenium	2.57	0.005	EDL	ug/g	Wet Wt	1			9/27/1999	ICP, Hydride	VGICP_10-04-99	1001SEH	9/29/1999	10/4/1999	10:33	
Grazing	VSP99-70	V9903794	#10	Steer 10	Blood	Primary	7782-49-2	Selenium	2.23	0.005	EDL	ug/g	Wet Wt	1			9/27/1999	ICP, Hydride	VGICP_10-04-99	1001SEH	9/29/1999	10/4/1999	10:36	
Grazing	VSP99-70	V9903795	#11	Steer 11	Blood	Primary	7782-49-2	Selenium	1.93	0.005	EDL	ug/g	Wet Wt	1			9/27/1999	ICP, Hydride	VGICP_10-04-99	1001SEH	9/29/1999	10/4/1999	10:38	
Grazing	VSP99-70	V9903796	#12	Steer 12	Blood	Primary	7782-49-2	Selenium	1.61	0.005	EDL	ug/g	Wet Wt	1			9/27/1999	ICP, Hydride	VGICP_10-04-99	1001SEH	9/29/1999	10/4/1999	10:41	
Grazing	VSP99-70	V9903797	#13	Steer 13	Blood	Primary	7782-49-2	Selenium	1.55	0.005	EDL	ug/g	Wet Wt	1			9/27/1999	ICP, Hydride	VGICP_10-04-99	1001SEH	9/29/1999	10/4/1999	10:44	

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Grazing	VSP99-70	V9903798	#14	Steer 14	Blood	Primary	7782-49-2	Selenium	1.49	0.005	EDL	ug/g	Wet Wt	1			9/27/1999	ICP, Hydride	VGICP_10-04-99	1001SEH	9/29/1999	10/4/1999	10:47	
Grazing	VSP99-70	V9903799	#15	Steer 15	Blood	Primary	7782-49-2	Selenium	2.1	0.005	EDL	ug/g	Wet Wt	1			9/27/1999	ICP, Hydride	VGICP_10-04-99	1001SEH	9/29/1999	10/4/1999	10:50	
Grazing	VSP99-70	HRL2	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.446	0.005	EDL	ug/g	Wet Wt	1	0.446	100	NA	ICP, Hydride	VGICP_10-04-99	1001SEH	9/29/1999	10/4/1999	10:53	
Grazing	VSP99-70	HRL	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.439	0.005	EDL	ug/g	Wet Wt	1	0.446	98	NA	ICP, Hydride	VGICP_10-05-99	1005SEH	9/30/1999	10/5/1999	8:58	
Grazing	VSP99-70	V9903800	#16	Steer 16	Blood	Primary	7782-49-2	Selenium	0.171	0.005	EDL	ug/g	Wet Wt	1			9/27/1999	ICP, Hydride	VGICP_10-05-99	1005SEH	9/30/1999	10/5/1999	9:10	
Grazing	VSP99-70	V9903801	#17	Steer 17	Blood	Primary	7782-49-2	Selenium	0.147	0.005	EDL	ug/g	Wet Wt	1			9/27/1999	ICP, Hydride	VGICP_10-05-99	1005SEH	9/30/1999	10/5/1999	9:13	
Grazing	VSP99-70	V9903802	#18	Steer 18	Blood	Primary	7782-49-2	Selenium	0.178	0.005	EDL	ug/g	Wet Wt	1			9/27/1999	ICP, Hydride	VGICP_10-05-99	1005SEH	9/30/1999	10/5/1999	9:16	
Grazing	VSP99-70	V9903803	#19	Steer 19	Blood	Primary	7782-49-2	Selenium	0.178	0.005	EDL	ug/g	Wet Wt	1			9/27/1999	ICP, Hydride	VGICP_10-05-99	1005SEH	9/30/1999	10/5/1999	9:19	
Grazing	VSP99-70	V9903804	#20	Steer 20	Blood	Primary	7782-49-2	Selenium	0.0955	0.005	EDL	ug/g	Wet Wt	1			9/27/1999	ICP, Hydride	VGICP_10-05-99	1005SEH	9/30/1999	10/5/1999	9:22	
Grazing	VSP99-70	HRL	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.439	0.005	EDL	ug/g	Wet Wt	1	0.446	98	NA	ICP, Hydride	VGICP_10-05-99	1005SEH	9/30/1999	10/5/1999	9:24	
Grazing	VSP99-70	V9903765	#1	Steer 01	Serum	Primary	7782-49-2	Selenium	0.311	0.005	EDL	ug/g	Wet Wt	1			9/27/1999	ICP, Hydride	VGICP_10-05-99	1005SEH	9/30/1999	10/5/1999	9:27	
Grazing	VSP99-70	V9903766	#2	Steer 02	Serum	Primary	7782-49-2	Selenium	0.544	0.005	EDL	ug/g	Wet Wt	1			9/27/1999	ICP, Hydride	VGICP_10-05-99	1005SEH	9/30/1999	10/5/1999	9:30	
Grazing	VSP99-70	V9903767	#3	Steer 03	Serum	Primary	7782-49-2	Selenium	0.423	0.005	EDL	ug/g	Wet Wt	1			9/27/1999	ICP, Hydride	VGICP_10-05-99	1005SEH	9/30/1999	10/5/1999	9:33	
Grazing	VSP99-70	V9903768	#4	Steer 04	Serum	Primary	7782-49-2	Selenium	0.521	0.005	EDL	ug/g	Wet Wt	1			9/27/1999	ICP, Hydride	VGICP_10-05-99	1005SEH	9/30/1999	10/5/1999	9:36	
Grazing	VSP99-70	V9903769	#5	Steer 05	Serum	Primary	7782-49-2	Selenium	0.286	0.005	EDL	ug/g	Wet Wt	1			9/27/1999	ICP, Hydride	VGICP_10-05-99	1005SEH	9/30/1999	10/5/1999	9:38	
Grazing	VSP99-70	V9903770	#6	Steer 06	Serum	Primary	7782-49-2	Selenium	0.485	0.005	EDL	ug/g	Wet Wt	1			9/27/1999	ICP, Hydride	VGICP_10-05-99	1005SEH	9/30/1999	10/5/1999	9:41	
Grazing	VSP99-70	V9903771	#7	Steer 07	Serum	Primary	7782-49-2	Selenium	0.608	0.005	EDL	ug/g	Wet Wt	1			9/27/1999	ICP, Hydride	VGICP_10-05-99	1005SEH	9/30/1999	10/5/1999	9:44	
Grazing	VSP99-70	V9903772	#8	Steer 08	Serum	Primary	7782-49-2	Selenium	0.239	0.005	EDL	ug/g	Wet Wt	1			9/27/1999	ICP, Hydride	VGICP_10-05-99	1005SEH	9/30/1999	10/5/1999	9:47	
Grazing	VSP99-70	V9903773	#9	Steer 09	Serum	Primary	7782-49-2	Selenium	0.591	0.005	EDL	ug/g	Wet Wt	1			9/27/1999	ICP, Hydride	VGICP_10-05-99	1005SEH	9/30/1999	10/5/1999	9:50	
Grazing	VSP99-70	V9903774	#10	Steer 10	Serum	Primary	7782-49-2	Selenium	0.406	0.005	EDL	ug/g	Wet Wt	1			9/27/1999	ICP, Hydride	VGICP_10-05-99	1005SEH	9/30/1999	10/5/1999	9:53	
Grazing	VSP99-70	V9903775	#11	Steer 11	Serum	Primary	7782-49-2	Selenium	0.285	0.005	EDL	ug/g	Wet Wt	1			9/27/1999	ICP, Hydride	VGICP_10-05-99	1005SEH	9/30/1999	10/5/1999	9:56	
Grazing	VSP99-70	V9903776	#12	Steer 12	Serum	Primary	7782-49-2	Selenium	0.281	0.005	EDL	ug/g	Wet Wt	1			9/27/1999	ICP, Hydride	VGICP_10-05-99	1005SEH	9/30/1999	10/5/1999	9:59	
Grazing	VSP99-70	V9903777	#13	Steer 13	Serum	Primary	7782-49-2	Selenium	0.391	0.005	EDL	ug/g	Wet Wt	1			9/27/1999	ICP, Hydride	VGICP_10-05-99	1005SEH	9/30/1999	10/5/1999	10:02	
Grazing	VSP99-70	V9903778	#14	Steer 14	Serum	Primary	7782-49-2	Selenium	0.517	0.005	EDL	ug/g	Wet Wt	1			9/27/1999	ICP, Hydride	VGICP_10-05-99	1005SEH	9/30/1999	10/5/1999	10:04	
Grazing	VSP99-70	V9903779	#15	Steer 15	Serum	Primary	7782-49-2	Selenium	0.407	0.005	EDL	ug/g	Wet Wt	1			9/27/1999	ICP, Hydride	VGICP_10-05-99	1005SEH	9/30/1999	10/5/1999	10:07	
Grazing	VSP99-70	V9903780	#16	Steer 16	Serum	Primary	7782-49-2	Selenium	0.0705	0.005	EDL	ug/g	Wet Wt	1			9/27/1999	ICP, Hydride	VGICP_10-05-99	1005SEH	9/30/1999	10/5/1999	10:10	
Grazing	VSP99-70	V9903781	#17	Steer 17	Serum	Primary	7782-49-2	Selenium	0.058	0.005	EDL	ug/g	Wet Wt	1			9/27/1999	ICP, Hydride	VGICP_10-05-99	1005SEH	9/30/1999	10/5/1999	10:13	
Grazing	VSP99-70	V9903782	#18	Steer 18	Serum	Primary	7782-49-2	Selenium	0.0631	0.005	EDL	ug/g	Wet Wt	1			9/27/1999	ICP, Hydride	VGICP_10-05-99	1005SEH	9/30/1999	10/5/1999	13:16	
Grazing	VSP99-70	V9903783	#19	Steer 19	Serum	Primary	7782-49-2	Selenium	0.0605	0.005	EDL	ug/g	Wet Wt	1			9/27/1999	ICP, Hydride	VGICP_10-05-99	1005SEH	9/30/1999	10/5/1999	10:18	
Grazing	VSP99-70	V9903784	#20	Steer 20	Serum	Primary	7782-49-2	Selenium	0.0325	0.005	EDL	ug/g	Wet Wt	1			9/27/1999	ICP, Hydride	VGICP_10-05-99	1005SEH	9/30/1999	10/5/1999	10:21	
Grazing	VSP99-70	HRL2	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.435	0.005	EDL	ug/g	Wet Wt	1	0.446	98	NA	ICP, Hydride	VGICP_10-05-99	1005SEH	9/30/1999	10/5/1999	10:24	
Grazing	VSP99-70	APG 7878-1	APG 7878	NA	Lab QC	CCV	7439-98-7	Molybdenum	0.09129	0.007	EDL	ug/g	Wet Wt	1	0.0872	105	NA	Graphite Furnace	GF_10-20-99	101999MO	10/4/1999	10/19/1999	16:15	
Grazing	VSP99-70	V9903805	#1	Steer 01	Plasma	Primary	7439-98-7	Molybdenum	0.06994	0.007	EDL	ug/g	Wet Wt	1			9/27/1999	Graphite Furnace	GF_10-20-99	101999MO	10/4/1999	10/19/1999	16:19	
Grazing	VSP99-70	V9903806	#2	Steer 02	Plasma	Primary	7439-98-7	Molybdenum	0.09259	0.007	EDL	ug/g	Wet Wt	1			9/27/1999	Graphite Furnace	GF_10-20-99	101999MO	10/4/1999	10/19/1999	16:23	
Grazing	VSP99-70	V9903807	#3	Steer 03	Plasma	Primary	7439-98-7	Molybdenum	0.1174	0.007	EDL	ug/g	Wet Wt	1			9/27/1999	Graphite Furnace	GF_10-20-99	101999MO	10/4/1999	10/19/1999	16:27	
Grazing	VSP99-70	V9903808	#4	Steer 04	Plasma	Primary	7439-98-7	Molybdenum	0.166	0.007	EDL	ug/g	Wet Wt	1			9/27/1999	Graphite Furnace	GF_10-20-99	101999MO	10/4/1999	10/19/1999	16:31	
Grazing	VSP99-70	V9903809	#5	Steer 05	Plasma	Primary	7439-98-7	Molybdenum	0.1167	0.007	EDL	ug/g	Wet Wt	1			9/27/1999	Graphite Furnace	GF_10-20-99	101999MO	10/4/1999	10/19/1999	16:35	
Grazing	VSP99-70	V9903810	#6	Steer 06	Plasma	Primary	7439-98-7	Molybdenum	0.1919	0.007	EDL	ug/g	Wet Wt	1			9/27/1999	Graphite Furnace	GF_10-20-99	101999MO	10/4/1999	10/19/1999	16:39	
Grazing	VSP99-70	V9903811	#7	Steer 07	Plasma	Primary	7439-98-7	Molybdenum	0.1378	0.007	EDL	ug/g	Wet Wt	1			9/27/1999	Graphite Furnace	GF_10-20-99	101999MO	10/4/1999	10/19/1999	16:43	
Grazing	VSP99-70	V9903812	#8	Steer 08	Plasma	Primary	7439-98-7	Molybdenum	0.08723	0.007	EDL	ug/g	Wet Wt	1			9/27/1999	Graphite Furnace	GF_10-20-99	101999MO	10/4/1999	10/19/1999	16:47	
Grazing	VSP99-70	V9903813	#9	Steer 09	Plasma	Primary	7439-98-7	Molybdenum	0.1055	0.007	EDL	ug/g	Wet Wt	1			9/27/1999	Graphite Furnace	GF_10-20-99	101999MO	10/4/1999	10/19/1999	16:51	
Grazing	VSP99-70	APG 7878-2	APG 7878	NA	Lab QC	CCV	7439-98-7	Molybdenum	0.08687	0.007	EDL	ug/g	Wet Wt	1	0.0872	100	NA	Graphite Furnace	GF_10-20-99	101999MO	10/4/1999	10/19/1999	16:55	
Grazing	VSP99-70	V9903814	#10	Steer 10	Plasma	Primary	7439-98-7	Molybdenum	0.18	0.007	EDL	ug/g	Wet Wt	1			9/27/1999	Graphite Furnace	GF_10-20-99	101999MO	10/4/1999	10/19/1999	16:59	
Grazing	VSP99-70	V9903815	#11	Steer 11	Plasma	Primary	7439-98-7	Molybdenum	0.1059	0.007	EDL	ug/g	Wet Wt	1			9/27/1999	Graphite Furnace	GF_10-20-99	101999MO	10/4/1999	10/19/1999	17:03	
Grazing	VSP99-70	V9903816	#12	Steer 12	Plasma	Primary	7439-98-7	Molybdenum	0.13	0.007	EDL	ug/g	Wet Wt	1			9/27/1999	Graphite Furnace	GF_10-20-99	101999MO	10/4/1999	10/19/1999	17:07	
Grazing	VSP99-70	V9903817	#13	Steer 13	Plasma	Primary	7439-98-7	Molybdenum	0.085	0.007	EDL	ug/g	Wet Wt	1			9/27/1999	Graphite Furnace	GF_10-20-99	101999MO	10/4/1999	10/19/1999	17:11	
Grazing	VSP99-70	V9903818	#14	Steer 14	Plasma	Primary	7439-98-7	Molybdenum	0.05426	0.007	EDL	ug/g	Wet Wt	1			9/27/1999	Graphite Furnace	GF_10-20-99	101999MO	10/4/1999	10/19/1999	17:15	
Grazing	VSP99-70	V9903819	#15	Steer 15	Plasma	Primary	7439-98-7	Molybdenum	0.1968	0.007	EDL	ug/g	Wet Wt	1			9/27/1999	Graphite Furnace	GF_10-20-99	101999MO	10/4/1999	10/19/1999	17:19	
Grazing	VSP99-70	V9903820	#16	Steer 16	Plasma	Primary	7439-98-7	Molybdenum	0.05422	0.007	EDL	ug/g	Wet Wt	1			9/27/1999	Graphite Furnace	GF_10-20-99	101999MO	10/4/1999	10/19/1999	17:23	
Grazing	VSP99-70	V9903821	#17	Steer 17	Plasma	Primary	7439-98-7	Molybdenum	0.09947	0.007	EDL	ug/g	Wet Wt	1			9/27/1999	Graphite Furnace	GF_10-20-99	101999MO	10/4/1999	10/19/1999	17:28	
Grazing	VSP99-70	V9903822	#18	Steer 18	Plasma	Primary	7439-98-7	Molybdenum	0.03313	0.007	EDL	ug/g	Wet Wt	1			9/27/1999	Graphite Furnace	GF_10-20-99	101999MO	10/4/1999	10/19/1999	17:32	
Grazing	VSP99-70	V9903823	#19	Steer 19	Plasma	Primary	7439-98-7	Molybdenum	0.03796	0.007	EDL	ug/g	Wet Wt	1			9/27/1999	Graphite Furnace	GF_10-20-99	101999MO	10/4/1999	10/19/1999	17:36	
Grazing	VSP99-70	V9903824	#20	Steer 20	Plasma	Primary	7439-98-7	Molybdenum	0.09017	0.007	EDL	ug/g	Wet Wt	1			9/27/1999	Graphite Furnace	GF_10-20-99	101999MO	10/4/1999	10/19/1999	17:40	
Grazing	VSP99-70	APG 7878-3	APG 7878	NA	Lab QC	CCV	7439-98-7	Molybdenum	0.08353	0.007	EDL	ug/g	Wet Wt	1	0.0872	96	NA	Graphite Furnace	GF_10-20-99	101999MO	10/4/1999	10/19/1999	17:44	
Grazing	VSP99-70	7140-2	Sigma S-7140	NA	Lab QC	CCV	9029-97-4	Zinc	1.24	0.080	EDL	ug/g	Wet Wt	1	1.3	95	NA	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	12:35	
Grazing	VSP99-70	7140-2	Sigma S-7140	NA	Lab QC	CCV	7803-51-2	Phosphorus	74.7	2.000	EDL	ug/g	Wet Wt	1	83.8	89	NA	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	12:35	
Grazing	VSP99-70	7140-2	Sigma S-7140	NA	Lab QC	CCV	8053-60-9	Iron	1.91	0.220	EDL	ug/g	Wet Wt	1	1.7	112	NA	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	12:35	
Grazing	VSP99-70	7140-2	Sigma S-7140	NA	Lab QC	CCV	7439-95-4	Magnesium	22.8	0.040	EDL	ug/g	Wet Wt	1	24.6	93	NA	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	12:35	

ATTACHMENT A
MWH EDD - 1999 - 2000 CATTLE TISSUE AND BLOOD DATA

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Grazing	VSP99-70	7140-2	Sigma S-7140	NA	Lab QC	CCV	7440-50-8	Copper	1.25	0.700	EDL	ug/g	Wet Wt	1	1.33	94	NA	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	12:35	
Grazing	VSP99-70	7140-2	Sigma S-7140	NA	Lab QC	CCV	8047-59-4	Calcium	100	0.070	EDL	ug/g	Wet Wt	1	109	92	NA	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	12:35	
Grazing	VSP99-70	V9903765	#1	Steer 01	Serum	Primary	9029-97-4	Zinc	0.754	0.080	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	12:41	
Grazing	VSP99-70	V9903765	#1	Steer 01	Serum	Primary	7803-51-2	Phosphorus	57.1	2.000	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	12:41	
Grazing	VSP99-70	V9903765	#1	Steer 01	Serum	Primary	8053-60-9	Iron	1.86	0.220	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	12:41	
Grazing	VSP99-70	V9903765	#1	Steer 01	Serum	Primary	7439-95-4	Magnesium	20.2	0.040	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	12:41	
Grazing	VSP99-70	V9903765	#1	Steer 01	Serum	Primary	7440-50-8	Copper	0.509	0.700	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	12:41	
Grazing	VSP99-70	V9903765	#1	Steer 01	Serum	Primary	8047-59-4	Calcium	102	0.070	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	12:41	
Grazing	VSP99-70	V9903766	#2	Steer 02	Serum	Primary	9029-97-4	Zinc	0.984	0.080	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	12:44	
Grazing	VSP99-70	V9903766	#2	Steer 02	Serum	Primary	7803-51-2	Phosphorus	101	2.000	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	12:44	
Grazing	VSP99-70	V9903766	#2	Steer 02	Serum	Primary	8053-60-9	Iron	2.23	0.220	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	12:44	
Grazing	VSP99-70	V9903766	#2	Steer 02	Serum	Primary	7439-95-4	Magnesium	21.5	0.040	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	12:44	
Grazing	VSP99-70	V9903766	#2	Steer 02	Serum	Primary	7440-50-8	Copper	0.437	0.700	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	12:44	
Grazing	VSP99-70	V9903766	#2	Steer 02	Serum	Primary	8047-59-4	Calcium	103	0.070	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	12:44	
Grazing	VSP99-70	V9903767	#3	Steer 03	Serum	Primary	9029-97-4	Zinc	1.18	0.080	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	12:47	
Grazing	VSP99-70	V9903767	#3	Steer 03	Serum	Primary	7803-51-2	Phosphorus	71.5	2.000	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	12:47	
Grazing	VSP99-70	V9903767	#3	Steer 03	Serum	Primary	8053-60-9	Iron	2.14	0.220	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	12:47	
Grazing	VSP99-70	V9903767	#3	Steer 03	Serum	Primary	7439-95-4	Magnesium	26.1	0.040	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	12:47	
Grazing	VSP99-70	V9903767	#3	Steer 03	Serum	Primary	7440-50-8	Copper	0.672	0.700	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	12:47	
Grazing	VSP99-70	V9903767	#3	Steer 03	Serum	Primary	8047-59-4	Calcium	110	0.070	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	12:47	
Grazing	VSP99-70	V9903768	#4	Steer 04	Serum	Primary	9029-97-4	Zinc	1.04	0.080	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	12:50	
Grazing	VSP99-70	V9903768	#4	Steer 04	Serum	Primary	7803-51-2	Phosphorus	50.6	2.000	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	12:50	
Grazing	VSP99-70	V9903768	#4	Steer 04	Serum	Primary	8053-60-9	Iron	2.1	0.220	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	12:50	
Grazing	VSP99-70	V9903768	#4	Steer 04	Serum	Primary	7439-95-4	Magnesium	22.9	0.040	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	12:50	
Grazing	VSP99-70	V9903768	#4	Steer 04	Serum	Primary	7440-50-8	Copper	0.773	0.700	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	12:50	
Grazing	VSP99-70	V9903768	#4	Steer 04	Serum	Primary	8047-59-4	Calcium	103	0.070	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	12:50	
Grazing	VSP99-70	V9903769	#5	Steer 05	Serum	Primary	9029-97-4	Zinc	0.774	0.080	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	12:53	
Grazing	VSP99-70	V9903769	#5	Steer 05	Serum	Primary	7803-51-2	Phosphorus	53.5	2.000	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	12:53	
Grazing	VSP99-70	V9903769	#5	Steer 05	Serum	Primary	8053-60-9	Iron	1.94	0.220	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	12:53	
Grazing	VSP99-70	V9903769	#5	Steer 05	Serum	Primary	7439-95-4	Magnesium	23.2	0.040	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	12:53	
Grazing	VSP99-70	V9903769	#5	Steer 05	Serum	Primary	7440-50-8	Copper	0.706	0.700	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	12:53	
Grazing	VSP99-70	V9903769	#5	Steer 05	Serum	Primary	8047-59-4	Calcium	104	0.070	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	12:53	
Grazing	VSP99-70	V9903770	#6	Steer 06	Serum	Primary	9029-97-4	Zinc	0.871	0.080	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	12:56	
Grazing	VSP99-70	V9903770	#6	Steer 06	Serum	Primary	7803-51-2	Phosphorus	79.2	2.000	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	12:56	
Grazing	VSP99-70	V9903770	#6	Steer 06	Serum	Primary	8053-60-9	Iron	1.62	0.220	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	12:56	
Grazing	VSP99-70	V9903770	#6	Steer 06	Serum	Primary	7439-95-4	Magnesium	19.2	0.040	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	12:56	
Grazing	VSP99-70	V9903770	#6	Steer 06	Serum	Primary	7440-50-8	Copper	0.833	0.700	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	12:56	
Grazing	VSP99-70	V9903770	#6	Steer 06	Serum	Primary	8047-59-4	Calcium	99.3	0.070	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	12:56	
Grazing	VSP99-70	V9903771	#7	Steer 07	Serum	Primary	9029-97-4	Zinc	1.13	0.080	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	12:59	
Grazing	VSP99-70	V9903771	#7	Steer 07	Serum	Primary	7803-51-2	Phosphorus	70.6	2.000	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	12:59	
Grazing	VSP99-70	V9903771	#7	Steer 07	Serum	Primary	8053-60-9	Iron	1.6	0.220	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	12:59	
Grazing	VSP99-70	V9903771	#7	Steer 07	Serum	Primary	7439-95-4	Magnesium	20.9	0.040	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	12:59	
Grazing	VSP99-70	V9903771	#7	Steer 07	Serum	Primary	7440-50-8	Copper	0.612	0.700	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	12:59	
Grazing	VSP99-70	V9903771	#7	Steer 07	Serum	Primary	8047-59-4	Calcium	105	0.070	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	12:59	
Grazing	VSP99-70	V9903772	#8	Steer 08	Serum	Primary	9029-97-4	Zinc	0.852	0.080	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:02	
Grazing	VSP99-70	V9903772	#8	Steer 08	Serum	Primary	7803-51-2	Phosphorus	60.9	2.000	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:02	
Grazing	VSP99-70	V9903772	#8	Steer 08	Serum	Primary	8053-60-9	Iron	1.72	0.220	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:02	
Grazing	VSP99-70	V9903772	#8	Steer 08	Serum	Primary	7439-95-4	Magnesium	22.8	0.040	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:02	
Grazing	VSP99-70	V9903772	#8	Steer 08	Serum	Primary	7440-50-8	Copper	0.621	0.700	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:02	
Grazing	VSP99-70	V9903772	#8	Steer 08	Serum	Primary	8047-59-4	Calcium	104	0.070	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:02	
Grazing	VSP99-70	7140-1	Sigma S-7140	NA	Lab QC	CCV	9029-97-4	Zinc	1.15	0.080	EDL	ug/g	Wet Wt	1	1.3	88	NA	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:05	
Grazing	VSP99-70	7140-1	Sigma S-7140	NA	Lab QC	CCV	7803-51-2	Phosphorus	71.4	2.000	EDL	ug/g	Wet Wt	1	83.8	85	NA	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:05	
Grazing	VSP99-70	7140-1	Sigma S-7140	NA	Lab QC	CCV	8053-60-9	Iron	2.14	0.220	EDL	ug/g	Wet Wt	1	1.7	126	NA	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:05	
Grazing	VSP99-70	7140-1	Sigma S-7140	NA	Lab QC	CCV	7439-95-4	Magnesium	22.2	0.040	EDL	ug/g	Wet Wt	1	24.6	90	NA	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:05	
Grazing	VSP99-70	7140-1	Sigma S-7140	NA	Lab QC	CCV	7440-50-8	Copper	1.17	0.700	EDL	ug/g	Wet Wt	1	1.33	88	NA	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:05	
Grazing	VSP99-70	7140-1	Sigma S-7140	NA	Lab QC	CCV	8047-59-4	Calcium	1101	0.070	EDL	ug/g	Wet Wt	1	109	1010	NA	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:05	
Grazing	VSP99-70	V9903773	#9	Steer 09	Serum	Primary	9029-97-4	Zinc	0.824	0.080	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:08	
Grazing	VSP99-70	V9903773	#9	Steer 09	Serum	Primary	7803-51-2	Phosphorus	81.1	2.000	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:08	

ATTACHMENT A
MWH EDD - 1999 - 2000 CATTLE TISSUE AND BLOOD DATA

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Grazing	VSP99-70	V9903773	#9	Steer 09	Serum	Primary	8053-60-9	Iron	1.82	0.220	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:08	
Grazing	VSP99-70	V9903773	#9	Steer 09	Serum	Primary	7439-95-4	Magnesium	24.4	0.040	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:08	
Grazing	VSP99-70	V9903773	#9	Steer 09	Serum	Primary	7440-50-8	Copper	0.542	0.700	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:08	
Grazing	VSP99-70	V9903773	#9	Steer 09	Serum	Primary	8047-59-4	Calcium	96.2	0.070	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:08	
Grazing	VSP99-70	V9903774	#10	Steer 10	Serum	Primary	9029-97-4	Zinc	1.01	0.080	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:11	
Grazing	VSP99-70	V9903774	#10	Steer 10	Serum	Primary	7803-51-2	Phosphorus	59.3	2.000	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:11	
Grazing	VSP99-70	V9903774	#10	Steer 10	Serum	Primary	8053-60-9	Iron	1.63	0.220	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:11	
Grazing	VSP99-70	V9903774	#10	Steer 10	Serum	Primary	7439-95-4	Magnesium	24.8	0.040	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:11	
Grazing	VSP99-70	V9903774	#10	Steer 10	Serum	Primary	7440-50-8	Copper	0.702	0.700	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:11	
Grazing	VSP99-70	V9903774	#10	Steer 10	Serum	Primary	8047-59-4	Calcium	104	0.070	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:11	
Grazing	VSP99-70	V9903775	#11	Steer 11	Serum	Primary	9029-97-4	Zinc	1.02	0.080	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:14	
Grazing	VSP99-70	V9903775	#11	Steer 11	Serum	Primary	7803-51-2	Phosphorus	49	2.000	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:14	
Grazing	VSP99-70	V9903775	#11	Steer 11	Serum	Primary	8053-60-9	Iron	1.73	0.220	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:14	
Grazing	VSP99-70	V9903775	#11	Steer 11	Serum	Primary	7439-95-4	Magnesium	23.7	0.040	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:14	
Grazing	VSP99-70	V9903775	#11	Steer 11	Serum	Primary	7440-50-8	Copper	0.638	0.700	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:14	
Grazing	VSP99-70	V9903775	#11	Steer 11	Serum	Primary	8047-59-4	Calcium	111	0.070	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:14	
Grazing	VSP99-70	V9903776	#12	Steer 12	Serum	Primary	9029-97-4	Zinc	0.774	0.080	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:17	
Grazing	VSP99-70	V9903776	#12	Steer 12	Serum	Primary	7803-51-2	Phosphorus	63.5	2.000	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:17	
Grazing	VSP99-70	V9903776	#12	Steer 12	Serum	Primary	8053-60-9	Iron	2.03	0.220	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:17	
Grazing	VSP99-70	V9903776	#12	Steer 12	Serum	Primary	7439-95-4	Magnesium	23.7	0.040	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:17	
Grazing	VSP99-70	V9903776	#12	Steer 12	Serum	Primary	7440-50-8	Copper	0.782	0.700	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:17	
Grazing	VSP99-70	V9903776	#12	Steer 12	Serum	Primary	8047-59-4	Calcium	114	0.070	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:17	
Grazing	VSP99-70	V9903777	#13	Steer 13	Serum	Primary	9029-97-4	Zinc	0.992	0.080	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:20	
Grazing	VSP99-70	V9903777	#13	Steer 13	Serum	Primary	7803-51-2	Phosphorus	69.6	2.000	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:20	
Grazing	VSP99-70	V9903777	#13	Steer 13	Serum	Primary	8053-60-9	Iron	2.93	0.220	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:20	
Grazing	VSP99-70	V9903777	#13	Steer 13	Serum	Primary	7439-95-4	Magnesium	30.6	0.040	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:20	
Grazing	VSP99-70	V9903777	#13	Steer 13	Serum	Primary	7440-50-8	Copper	0.986	0.700	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:20	
Grazing	VSP99-70	V9903777	#13	Steer 13	Serum	Primary	8047-59-4	Calcium	139	0.070	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:20	
Grazing	VSP99-70	V9903778	#14	Steer 14	Serum	Primary	9029-97-4	Zinc	0.693	0.080	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:23	
Grazing	VSP99-70	V9903778	#14	Steer 14	Serum	Primary	7803-51-2	Phosphorus	49.3	2.000	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:23	
Grazing	VSP99-70	V9903778	#14	Steer 14	Serum	Primary	8053-60-9	Iron	1.06	0.220	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:23	
Grazing	VSP99-70	V9903778	#14	Steer 14	Serum	Primary	7439-95-4	Magnesium	17.3	0.040	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:23	
Grazing	VSP99-70	V9903778	#14	Steer 14	Serum	Primary	7440-50-8	Copper	0.673	0.700	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:23	
Grazing	VSP99-70	V9903778	#14	Steer 14	Serum	Primary	8047-59-4	Calcium	81.6	0.070	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:23	
Grazing	VSP99-70	V9903779	#15	Steer 15	Serum	Primary	9029-97-4	Zinc	0.705	0.080	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:25	
Grazing	VSP99-70	V9903779	#15	Steer 15	Serum	Primary	7803-51-2	Phosphorus	71.8	2.000	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:25	
Grazing	VSP99-70	V9903779	#15	Steer 15	Serum	Primary	8053-60-9	Iron	2.17	0.220	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:25	
Grazing	VSP99-70	V9903779	#15	Steer 15	Serum	Primary	7439-95-4	Magnesium	23.1	0.040	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:25	
Grazing	VSP99-70	V9903779	#15	Steer 15	Serum	Primary	7440-50-8	Copper	0.612	0.700	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:25	
Grazing	VSP99-70	V9903779	#15	Steer 15	Serum	Primary	8047-59-4	Calcium	99	0.070	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:25	
Grazing	VSP99-70	V9903780	#16	Steer 16	Serum	Primary	9029-97-4	Zinc	0.907	0.080	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:28	
Grazing	VSP99-70	V9903780	#16	Steer 16	Serum	Primary	7803-51-2	Phosphorus	53.1	2.000	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:28	
Grazing	VSP99-70	V9903780	#16	Steer 16	Serum	Primary	8053-60-9	Iron	1.57	0.220	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:28	
Grazing	VSP99-70	V9903780	#16	Steer 16	Serum	Primary	7439-95-4	Magnesium	23	0.040	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:28	
Grazing	VSP99-70	V9903780	#16	Steer 16	Serum	Primary	7440-50-8	Copper	0.814	0.700	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:28	
Grazing	VSP99-70	V9903780	#16	Steer 16	Serum	Primary	8047-59-4	Calcium	108	0.070	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:28	
Grazing	VSP99-70	V9903781	#17	Steer 17	Serum	Primary	9029-97-4	Zinc	1.08	0.080	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:31	
Grazing	VSP99-70	V9903781	#17	Steer 17	Serum	Primary	7803-51-2	Phosphorus	72.5	2.000	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:31	
Grazing	VSP99-70	V9903781	#17	Steer 17	Serum	Primary	8053-60-9	Iron	1.62	0.220	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:31	
Grazing	VSP99-70	V9903781	#17	Steer 17	Serum	Primary	7439-95-4	Magnesium	21.9	0.040	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:31	
Grazing	VSP99-70	V9903781	#17	Steer 17	Serum	Primary	7440-50-8	Copper	0.938	0.700	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:31	
Grazing	VSP99-70	V9903781	#17	Steer 17	Serum	Primary	8047-59-4	Calcium	118	0.070	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:31	
Grazing	VSP99-70	V9903782	#18	Steer 18	Serum	Primary	9029-97-4	Zinc	1.13	0.080	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:34	
Grazing	VSP99-70	V9903782	#18	Steer 18	Serum	Primary	7803-51-2	Phosphorus	60.3	2.000	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:34	
Grazing	VSP99-70	V9903782	#18	Steer 18	Serum	Primary	8053-60-9	Iron	1.74	0.220	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:34	
Grazing	VSP99-70	V9903782	#18	Steer 18	Serum	Primary	7439-95-4	Magnesium	21.7	0.040	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:34	
Grazing	VSP99-70	V9903782	#18	Steer 18	Serum	Primary	7440-50-8	Copper	0.621	0.700	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:34	
Grazing	VSP99-70	V9903782	#18	Steer 18	Serum	Primary	8047-59-4	Calcium	102	0.070	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:34	

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Grazing	VSP99-70	V9903783	#19	Steer 19	Serum	Primary	9029-97-4	Zinc	0.903	0.080	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:37	
Grazing	VSP99-70	V9903783	#19	Steer 19	Serum	Primary	7803-51-2	Phosphorus	62.2	2.000	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:37	
Grazing	VSP99-70	V9903783	#19	Steer 19	Serum	Primary	8053-60-9	Iron	1.63	0.220	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:37	
Grazing	VSP99-70	V9903783	#19	Steer 19	Serum	Primary	7439-95-4	Magnesium	26.4	0.040	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:37	
Grazing	VSP99-70	V9903783	#19	Steer 19	Serum	Primary	7440-50-8	Copper	0.602	0.700	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:37	
Grazing	VSP99-70	V9903783	#19	Steer 19	Serum	Primary	8047-59-4	Calcium	121	0.070	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:37	
Grazing	VSP99-70	V9903784	#20	Steer 20	Serum	Primary	9029-97-4	Zinc	1.04	0.080	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:40	
Grazing	VSP99-70	V9903784	#20	Steer 20	Serum	Primary	7803-51-2	Phosphorus	71.8	2.000	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:40	
Grazing	VSP99-70	V9903784	#20	Steer 20	Serum	Primary	8053-60-9	Iron	1.94	0.220	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:40	
Grazing	VSP99-70	V9903784	#20	Steer 20	Serum	Primary	7439-95-4	Magnesium	24	0.040	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:40	
Grazing	VSP99-70	V9903784	#20	Steer 20	Serum	Primary	7440-50-8	Copper	0.524	0.700	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:40	
Grazing	VSP99-70	V9903784	#20	Steer 20	Serum	Primary	8047-59-4	Calcium	107	0.070	EDL	ug/g	Wet Wt	1			9/27/1999	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:40	
Grazing	VSP99-70	7140-2	Sigma S-7140	NA	Lab QC	CCV	9029-97-4	Zinc	1.1	0.080	EDL	ug/g	Wet Wt	1	1.14	96	NA	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:45	
Grazing	VSP99-70	7140-2	Sigma S-7140	NA	Lab QC	CCV	7803-51-2	Phosphorus	68.7	2.000	EDL	ug/g	Wet Wt	1	69	100	NA	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:45	
Grazing	VSP99-70	7140-2	Sigma S-7140	NA	Lab QC	CCV	8053-60-9	Iron	2.3	0.220	EDL	ug/g	Wet Wt	1	1.95	118	NA	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:45	
Grazing	VSP99-70	7140-2	Sigma S-7140	NA	Lab QC	CCV	7439-95-4	Magnesium	21	0.040	EDL	ug/g	Wet Wt	1	45.6	46	NA	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:45	
Grazing	VSP99-70	7140-2	Sigma S-7140	NA	Lab QC	CCV	7440-50-8	Copper	1.18	0.700	EDL	ug/g	Wet Wt	1	1.21	98	NA	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:45	
Grazing	VSP99-70	7140-2	Sigma S-7140	NA	Lab QC	CCV	8047-59-4	Calcium	95.9	0.070	EDL	ug/g	Wet Wt	1	111	86	NA	ICP - TES	TESICP_09-30-99	0930TES2	9/30/1999	9/30/1999	13:45	
Feedlot	EOT99-02	HRL	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	.399	0.005	EDL	ug/g	Wet Wt	1	0.446	89	NA	ICP, Hydride	VGICP_10-25-99	1025SEH	10/20/1999	10/25/1999	10:28	
Feedlot	EOT99-02	E9901164	1	Steer 01	Blood	Primary	7782-49-2	Selenium	0.0000867	0.005	EDL	ug/g	Wet Wt	1			10/8/1999	ICP, Hydride	VGICP_10-25-99	1025SEH	10/20/1999	10/25/1999	10:31	
Feedlot	EOT99-02	E9901165	2	Steer 02	Blood	Primary	7782-49-2	Selenium	2.04	0.005	EDL	ug/g	Wet Wt	1			10/8/1999	ICP, Hydride	VGICP_10-25-99	1025SEH	10/20/1999	10/25/1999	10:34	
Feedlot	EOT99-02	E9901166	3	Steer 03	Blood	Primary	7782-49-2	Selenium	1.42	0.005	EDL	ug/g	Wet Wt	1			10/8/1999	ICP, Hydride	VGICP_10-25-99	1025SEH	10/20/1999	10/25/1999	10:37	
Feedlot	EOT99-02	E9901167	4	Steer 04	Blood	Primary	7782-49-2	Selenium	1.08	0.005	EDL	ug/g	Wet Wt	1			10/8/1999	ICP, Hydride	VGICP_10-25-99	1025SEH	10/20/1999	10/25/1999	10:40	
Feedlot	EOT99-02	E9901168	5	Steer 05	Blood	Primary	7782-49-2	Selenium	0.743	0.005	EDL	ug/g	Wet Wt	1			10/8/1999	ICP, Hydride	VGICP_10-25-99	1025SEH	10/20/1999	10/25/1999	10:43	
Feedlot	EOT99-02	E9901169	6	Steer 06	Blood	Primary	7782-49-2	Selenium	0.926	0.005	EDL	ug/g	Wet Wt	1			10/8/1999	ICP, Hydride	VGICP_10-25-99	1025SEH	10/20/1999	10/25/1999	10:46	
Feedlot	EOT99-02	E9901170	7	Steer 07	Blood	Primary	7782-49-2	Selenium	1.47	0.005	EDL	ug/g	Wet Wt	1			10/8/1999	ICP, Hydride	VGICP_10-25-99	1025SEH	10/20/1999	10/25/1999	10:49	
Feedlot	EOT99-02	E9901171	8	Steer 08	Blood	Primary	7782-49-2	Selenium	0.712	0.005	EDL	ug/g	Wet Wt	1			10/8/1999	ICP, Hydride	VGICP_10-25-99	1025SEH	10/20/1999	10/25/1999	10:51	
Feedlot	EOT99-02	E9901172	9	Steer 09	Blood	Primary	7782-49-2	Selenium	2.04	0.005	EDL	ug/g	Wet Wt	1			10/8/1999	ICP, Hydride	VGICP_10-25-99	1025SEH	10/20/1999	10/25/1999	10:54	
Feedlot	EOT99-02	E9901173	10	Steer 10	Blood	Primary	7782-49-2	Selenium	0.906	0.005	EDL	ug/g	Wet Wt	1			10/8/1999	ICP, Hydride	VGICP_10-25-99	1025SEH	10/20/1999	10/25/1999	10:57	
Feedlot	EOT99-02	HRL1	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	.466	0.005	EDL	ug/g	Wet Wt	1	0.446	104	NA	ICP, Hydride	VGICP_10-25-99	1025SEH	10/20/1999	10/25/1999	11:00	
Feedlot	EOT99-02	E9901174	11	Steer 11	Blood	Primary	7782-49-2	Selenium	1.05	0.005	EDL	ug/g	Wet Wt	1			10/8/1999	ICP, Hydride	VGICP_10-25-99	1025SEH	10/20/1999	10/25/1999	11:03	
Feedlot	EOT99-02	E9901175	12	Steer 12	Blood	Primary	7782-49-2	Selenium	1.26	0.005	EDL	ug/g	Wet Wt	1			10/8/1999	ICP, Hydride	VGICP_10-25-99	1025SEH	10/20/1999	10/25/1999	11:06	
Feedlot	EOT99-02	E9901176	13	Steer 13	Blood	Primary	7782-49-2	Selenium	1.18	0.005	EDL	ug/g	Wet Wt	1			10/8/1999	ICP, Hydride	VGICP_10-25-99	1025SEH	10/20/1999	10/25/1999	11:09	
Feedlot	EOT99-02	E9901177	14	Steer 14	Blood	Primary	7782-49-2	Selenium	1.07	0.005	EDL	ug/g	Wet Wt	1			10/8/1999	ICP, Hydride	VGICP_10-25-99	1025SEH	10/20/1999	10/25/1999	11:12	
Feedlot	EOT99-02	E9901178	15	Steer 15	Blood	Primary	7782-49-2	Selenium	1.71	0.005	EDL	ug/g	Wet Wt	1			10/8/1999	ICP, Hydride	VGICP_10-25-99	1025SEH	10/20/1999	10/25/1999	11:15	
Feedlot	EOT99-02	E9901179	16	Steer 16	Blood	Primary	7782-49-2	Selenium	0.0634	0.005	EDL	ug/g	Wet Wt	1			10/8/1999	ICP, Hydride	VGICP_10-25-99	1025SEH	10/20/1999	10/25/1999	11:17	
Feedlot	EOT99-02	E9901180	17	Steer 17	Blood	Primary	7782-49-2	Selenium	0.0713	0.005	EDL	ug/g	Wet Wt	1			10/8/1999	ICP, Hydride	VGICP_10-25-99	1025SEH	10/20/1999	10/25/1999	11:20	
Feedlot	EOT99-02	E9901181	18	Steer 18	Blood	Primary	7782-49-2	Selenium	0.0533	0.005	EDL	ug/g	Wet Wt	1			10/8/1999	ICP, Hydride	VGICP_10-25-99	1025SEH	10/20/1999	10/25/1999	11:23	
Feedlot	EOT99-02	E9901182	19	Steer 19	Blood	Primary	7782-49-2	Selenium	0.0783	0.005	EDL	ug/g	Wet Wt	1			10/8/1999	ICP, Hydride	VGICP_10-25-99	1025SEH	10/20/1999	10/25/1999	11:26	
Feedlot	EOT99-02	E9901183	20	Steer 20	Blood	Primary	7782-49-2	Selenium	0.0134	0.005	EDL	ug/g	Wet Wt	1			10/8/1999	ICP, Hydride	VGICP_10-25-99	1025SEH	10/20/1999	10/25/1999	11:29	
Feedlot	EOT99-02	HRL2	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	.470	0.005	EDL	ug/g	Wet Wt	1	0.446	105	NA	ICP, Hydride	VGICP_10-25-99	1025SEH	10/20/1999	10/25/1999	11:32	
Feedlot	EOT99-02	HRL	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	.516	0.005	EDL	ug/g	Wet Wt	1	0.446	116	NA	ICP, Hydride	VGICP_10-22-99	1022SEH	10/20/1999	10/22/1999	10:17	
Feedlot	EOT99-02	E9901184	1	Steer 01	Blood	Primary	7782-49-2	Selenium	.94	0.005	EDL	ug/g	Wet Wt	1			10/8/1999	ICP, Hydride	VGICP_10-22-99	1022SEH	10/20/1999	10/22/1999	10:20	
Feedlot	EOT99-02	E9901185	2	Steer 02	Blood	Primary	7782-49-2	Selenium	2.63	0.005	EDL	ug/g	Wet Wt	1			10/8/1999	ICP, Hydride	VGICP_10-22-99	1022SEH	10/20/1999	10/22/1999	10:23	
Feedlot	EOT99-02	E9901186	3	Steer 03	Blood	Primary	7782-49-2	Selenium	2.08	0.005	EDL	ug/g	Wet Wt	1			10/8/1999	ICP, Hydride	VGICP_10-22-99	1022SEH	10/20/1999	10/22/1999	10:26	
Feedlot	EOT99-02	E9901187	4	Steer 04	Blood	Primary	7782-49-2	Selenium	2.52	0.005	EDL	ug/g	Wet Wt	1			10/8/1999	ICP, Hydride	VGICP_10-22-99	1022SEH	10/20/1999	10/22/1999	10:29	
Feedlot	EOT99-02	E9901188	5	Steer 05	Blood	Primary	7782-49-2	Selenium	2.26	0.005	EDL	ug/g	Wet Wt	1			10/8/1999	ICP, Hydride	VGICP_10-22-99	1022SEH	10/20/1999	10/22/1999	10:32	
Feedlot	EOT99-02	E9901189	6	Steer 06	Blood	Primary	7782-49-2	Selenium	2.13	0.005	EDL	ug/g	Wet Wt	1			10/8/1999	ICP, Hydride	VGICP_10-22-99	1022SEH	10/20/1999	10/22/1999	10:34	
Feedlot	EOT99-02	E9901190	7	Steer 07	Blood	Primary	7782-49-2	Selenium	2.57	0.005	EDL	ug/g	Wet Wt	1			10/8/1999	ICP, Hydride	VGICP_10-22-99	1022SEH	10/20/1999	10/22/1999	10:37	
Feedlot	EOT99-02	E9901191	8	Steer 08	Blood	Primary	7782-49-2	Selenium	.959	0.005	EDL	ug/g	Wet Wt	1			10/8/1999	ICP, Hydride	VGICP_10-22-99	1022SEH	10/20/1999	10/22/1999	10:40	
Feedlot	EOT99-02	E9901192	9	Steer 09	Blood	Primary	7782-49-2	Selenium	2.56	0.005	EDL	ug/g	Wet Wt	1			10/8/1999	ICP, Hydride	VGICP_10-22-99	1022SEH	10/20/1999	10/22/1999	10:43	
Feedlot	EOT99-02	E9901193	10	Steer 10	Blood	Primary	7782-49-2	Selenium	1.66	0.005	EDL	ug/g	Wet Wt	1			10/8/1999	ICP, Hydride	VGICP_10-22-99	1022SEH	10/20/1999	10/22/1999	10:46	
Feedlot	EOT99-02	HRL1	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	.452	0.005	EDL	ug/g	Wet Wt	1	0.446	101	NA	ICP, Hydride	VGICP_10-22-99	1022SEH	10/20/1999	10/22/1999	10:49	
Feedlot	EOT99-02	E9901194	11	Steer 11	Blood	Primary	7782-49-2	Selenium	1.06	0.005	EDL	ug/g	Wet Wt	1			10/8/1999	ICP, Hydride	VGICP_10-22-99	1022SEH	10/20/1999	10/22/1999	10:52	
Feedlot	EOT99-02	E9901195	12	Steer 12	Blood	Primary	7782-49-2	Selenium	1.27	0.005	EDL	ug/g	Wet Wt	1			10/8/1999	ICP, Hydride	VGICP_10-22-99	1022SEH	10/20/1999	10/22/1999	10:54	
Feedlot	EOT99-02	E9901196	13	Steer 13	Blood	Primary	7782-49-2	Selenium	2.02	0.005	EDL	ug/g	Wet Wt	1			10/8/1999	ICP, Hydride	VGICP_10-22-99	1022SEH	10/20/1999	10/22/1999	10:57	
Feedlot	EOT99-02	E9901197	14	Steer 14	Blood	Primary	7782-49-2	Selenium	-0.177	0.005	EDL	ug/g	Wet Wt	1			10/8/1999	ICP, Hydride	VGICP_10-22-99	1022SEH	10/20/1999	10/22/1999	11:00	
Feedlot	EOT99-02	E9901198	15	Steer 15	Blood	Primary	7782-49-2	Selenium	0.733	0.005	EDL	ug/g	Wet Wt	1			10/8/1999	ICP, Hydride	VGICP_10-22-99	1022SEH	10/20/1999	10/22/1999	11:03	

ATTACHMENT A
MWH EDD - 1999-2000 CATTLE TISSUE AND BLOOD DATA

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Feedlot	EOT99-02	E9901199	16	Steer 16	Blood	Primary	7782-49-2	Selenium	-0.096	0.005	EDL	ug/g	Wet Wt	1			10/8/1999	ICP, Hydride	VGICP_10-22-99	1022SEH	10/20/1999	10/22/1999	11:06	
Feedlot	EOT99-02	E9901200	17	Steer 17	Blood	Primary	7782-49-2	Selenium	0.207	0.005	EDL	ug/g	Wet Wt	1			10/8/1999	ICP, Hydride	VGICP_10-22-99	1022SEH	10/20/1999	10/22/1999	11:09	
Feedlot	EOT99-02	E9901201	18	Steer 18	Blood	Primary	7782-49-2	Selenium	0.0824	0.005	EDL	ug/g	Wet Wt	1			10/8/1999	ICP, Hydride	VGICP_10-22-99	1022SEH	10/20/1999	10/22/1999	0:00	
Feedlot	EOT99-02	E9901202	19	Steer 19	Blood	Primary	7782-49-2	Selenium	0.0407	0.005	EDL	ug/g	Wet Wt	1			10/8/1999	ICP, Hydride	VGICP_10-22-99	1022SEH	10/20/1999	10/22/1999	0:00	
Feedlot	EOT99-02	E9901203	20	Steer 20	Blood	Primary	7782-49-2	Selenium	0.0804	0.005	EDL	ug/g	Wet Wt	1			10/8/1999	ICP, Hydride	VGICP_10-22-99	1022SEH	10/20/1999	10/22/1999	11:18	
Feedlot	EOT99-02	HRL2	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	.539	0.005	EDL	ug/g	Wet Wt	1	0.446	121	NA	ICP, Hydride	VGICP_10-22-99	1022SEH	10/20/1999	10/22/1999	11:21	
Feedlot	EOT99-02	SEH2	Check Standard	NA	Lab QC	CCV	7782-49-2	Selenium	0.046	0.005	EDL	ug/g	Wet Wt	1	0.05	92	NA	ICP, Hydride	VGICP_11-02-99	1102SEH	10/29/1999	11/2/1999	9:38	
Feedlot	EOT99-02	E9901204SR	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.336	0.005	EDL	ug/g	Wet Wt	1	0.446	75	NA	ICP, Hydride	VGICP_11-02-99	1102SEH	10/29/1999	11/2/1999	9:41	
Feedlot	EOT99-02	E9901204	1	Steer 01	Blood	Primary	7782-49-2	Selenium	1.2	0.005	EDL	ug/g	Wet Wt	1			10/8/1999	ICP, Hydride	VGICP_11-02-99	1102SEH	10/29/1999	11/2/1999	9:44	
Feedlot	EOT99-02	E9901205	2	Steer 02	Blood	Primary	7782-49-2	Selenium	3.03	0.005	EDL	ug/g	Wet Wt	1			10/8/1999	ICP, Hydride	VGICP_11-02-99	1102SEH	10/29/1999	11/2/1999	9:47	
Feedlot	EOT99-02	E9901206	3	Steer 03	Blood	Primary	7782-49-2	Selenium	3.06	0.005	EDL	ug/g	Wet Wt	1			10/8/1999	ICP, Hydride	VGICP_11-02-99	1102SEH	10/29/1999	11/2/1999	9:50	
Feedlot	EOT99-02	E9901207	4	Steer 04	Blood	Primary	7782-49-2	Selenium	2.77	0.005	EDL	ug/g	Wet Wt	1			10/8/1999	ICP, Hydride	VGICP_11-02-99	1102SEH	10/29/1999	11/2/1999	9:53	
Feedlot	EOT99-02	E9901208	5	Steer 05	Blood	Primary	7782-49-2	Selenium	1.37	0.005	EDL	ug/g	Wet Wt	1			10/8/1999	ICP, Hydride	VGICP_11-02-99	1102SEH	10/29/1999	11/2/1999	9:55	
Feedlot	EOT99-02	E9901209	6	Steer 06	Blood	Primary	7782-49-2	Selenium	3.63	0.005	EDL	ug/g	Wet Wt	1			10/8/1999	ICP, Hydride	VGICP_11-02-99	1102SEH	10/29/1999	11/2/1999	9:58	
Feedlot	EOT99-02	E9901210	7	Steer 07	Blood	Primary	7782-49-2	Selenium	2.08	0.005	EDL	ug/g	Wet Wt	1			10/8/1999	ICP, Hydride	VGICP_11-02-99	1102SEH	10/29/1999	11/2/1999	10:01	
Feedlot	EOT99-02	E9901211	8	Steer 08	Blood	Primary	7782-49-2	Selenium	1.01	0.005	EDL	ug/g	Wet Wt	1			10/8/1999	ICP, Hydride	VGICP_11-02-99	1102SEH	10/29/1999	11/2/1999	10:04	
Feedlot	EOT99-02	E9901212	9	Steer 09	Blood	Primary	7782-49-2	Selenium	1.99	0.005	EDL	ug/g	Wet Wt	1			10/8/1999	ICP, Hydride	VGICP_11-02-99	1102SEH	10/29/1999	11/2/1999	10:07	
Feedlot	EOT99-02	E9901213	10	Steer 10	Blood	Primary	7782-49-2	Selenium	2.54	0.005	EDL	ug/g	Wet Wt	1			10/8/1999	ICP, Hydride	VGICP_11-02-99	1102SEH	10/29/1999	11/2/1999	10:10	
Feedlot	EOT99-02	E9901214	11	Steer 11	Blood	Primary	7782-49-2	Selenium	2.56	0.005	EDL	ug/g	Wet Wt	1			10/8/1999	ICP, Hydride	VGICP_11-02-99	1102SEH	10/29/1999	11/2/1999	10:13	
Feedlot	EOT99-02	E9901215	12	Steer 12	Blood	Primary	7782-49-2	Selenium	1.74	0.005	EDL	ug/g	Wet Wt	1			10/8/1999	ICP, Hydride	VGICP_11-02-99	1102SEH	10/29/1999	11/2/1999	10:15	
Feedlot	EOT99-02	E9901215SR	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.392	0.005	EDL	ug/g	Wet Wt	1	0.446	88	NA	ICP, Hydride	VGICP_11-02-99	1102SEH	10/29/1999	11/2/1999	10:18	
Feedlot	EOT99-02	E9901216	13	Steer 13	Blood	Primary	7782-49-2	Selenium	2.3	0.005	EDL	ug/g	Wet Wt	1			10/8/1999	ICP, Hydride	VGICP_11-02-99	1102SEH	10/29/1999	11/2/1999	10:22	
Feedlot	EOT99-02	E9901217	14	Steer 14	Blood	Primary	7782-49-2	Selenium	2.01	0.005	EDL	ug/g	Wet Wt	1			10/8/1999	ICP, Hydride	VGICP_11-02-99	1102SEH	10/29/1999	11/2/1999	10:25	
Feedlot	EOT99-02	E9901218	15	Steer 15	Blood	Primary	7782-49-2	Selenium	2.21	0.005	EDL	ug/g	Wet Wt	1			10/8/1999	ICP, Hydride	VGICP_11-02-99	1102SEH	10/29/1999	11/2/1999	10:28	
Feedlot	EOT99-02	E9901219	16	Steer 16	Blood	Primary	7782-49-2	Selenium	0.182	0.005	EDL	ug/g	Wet Wt	1			10/8/1999	ICP, Hydride	VGICP_11-02-99	1102SEH	10/29/1999	11/2/1999	10:31	
Feedlot	EOT99-02	E9901220	17	Steer 17	Blood	Primary	7782-49-2	Selenium	0.186	0.005	EDL	ug/g	Wet Wt	1			10/8/1999	ICP, Hydride	VGICP_11-02-99	1102SEH	10/29/1999	11/2/1999	10:33	
Feedlot	EOT99-02	E9901221	18	Steer 18	Blood	Primary	7782-49-2	Selenium	0.161	0.005	EDL	ug/g	Wet Wt	1			10/8/1999	ICP, Hydride	VGICP_11-02-99	1102SEH	10/29/1999	11/2/1999	10:36	
Feedlot	EOT99-02	E9901222	19	Steer 19	Blood	Primary	7782-49-2	Selenium	0.173	0.005	EDL	ug/g	Wet Wt	1			10/8/1999	ICP, Hydride	VGICP_11-02-99	1102SEH	10/29/1999	11/2/1999	10:39	
Feedlot	EOT99-02	E9901223	20	Steer 20	Blood	Primary	7782-49-2	Selenium	0.079	0.005	EDL	ug/g	Wet Wt	1			10/8/1999	ICP, Hydride	VGICP_11-02-99	1102SEH	10/29/1999	11/2/1999	10:42	
Feedlot	EOT99-02	E9901223SR	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.358	0.005	EDL	ug/g	Wet Wt	1	0.446	80	NA	ICP, Hydride	VGICP_11-02-99	1102SEH	10/29/1999	11/2/1999	10:45	
Feedlot	EOT99-02	E9901223CS	Check Standard	NA	Lab QC	CCV	7782-49-2	Selenium	0.305	0.005	EDL	ug/g	Wet Wt	1	0.3	102	NA	ICP, Hydride	VGICP_11-02-99	1102SEH	10/29/1999	11/2/1999	10:49	
Feedlot	EOT99-02	E9901223CS	Check Standard	NA	Lab QC	CCV	7782-49-2	Selenium	0.048	0.005	EDL	ug/g	Wet Wt	1	0.05	96	NA	ICP, Hydride	VGICP_11-02-99	1102SEH	10/29/1999	11/2/1999	10:52	
Feedlot	EOT99-02	E9901224SR	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.466	0.005	EDL	ug/g	Wet Wt	1	0.446	104	NA	ICP, Hydride	VGICP_11-04-99	1104SEHA	10/28/1999	11/4/1999	11:52	
Feedlot	EOT99-02	E9901224	1	Steer 01	Serum	Primary	7782-49-2	Selenium	0.192	0.005	EDL	ug/g	Wet Wt	1			10/8/1999	ICP, Hydride	VGICP_11-04-99	1104SEHA	10/28/1999	11/4/1999	11:55	
Feedlot	EOT99-02	E9901225	2	Steer 02	Serum	Primary	7782-49-2	Selenium	0.428	0.005	EDL	ug/g	Wet Wt	1			10/8/1999	ICP, Hydride	VGICP_11-04-99	1104SEHA	10/28/1999	11/4/1999	11:58	
Feedlot	EOT99-02	E9901226	3	Steer 03	Serum	Primary	7782-49-2	Selenium	0.275	0.005	EDL	ug/g	Wet Wt	1			10/8/1999	ICP, Hydride	VGICP_11-04-99	1104SEHA	10/28/1999	11/4/1999	12:01	
Feedlot	EOT99-02	E9901227	4	Steer 04	Serum	Primary	7782-49-2	Selenium	0.169	0.005	EDL	ug/g	Wet Wt	1			10/8/1999	ICP, Hydride	VGICP_11-04-99	1104SEHA	10/28/1999	11/4/1999	12:04	
Feedlot	EOT99-02	E9901228	5	Steer 05	Serum	Primary	7782-49-2	Selenium	0.203	0.005	EDL	ug/g	Wet Wt	1			10/8/1999	ICP, Hydride	VGICP_11-04-99	1104SEHA	10/28/1999	11/4/1999	12:07	
Feedlot	EOT99-02	E9901229	6	Steer 06	Serum	Primary	7782-49-2	Selenium	0.226	0.005	EDL	ug/g	Wet Wt	1			10/8/1999	ICP, Hydride	VGICP_11-04-99	1104SEHA	10/28/1999	11/4/1999	12:09	
Feedlot	EOT99-02	E9901230	7	Steer 07	Serum	Primary	7782-49-2	Selenium	0.179	0.005	EDL	ug/g	Wet Wt	1			10/8/1999	ICP, Hydride	VGICP_11-04-99	1104SEHA	10/28/1999	11/4/1999	12:12	
Feedlot	EOT99-02	E9901231	8	Steer 08	Serum	Primary	7782-49-2	Selenium	0.042	0.005	EDL	ug/g	Wet Wt	1			10/8/1999	ICP, Hydride	VGICP_11-04-99	1104SEHA	10/28/1999	11/4/1999	12:15	
Feedlot	EOT99-02	E9901232	9	Steer 09	Serum	Primary	7782-49-2	Selenium	0.119	0.005	EDL	ug/g	Wet Wt	1			10/8/1999	ICP, Hydride	VGICP_11-04-99	1104SEHA	10/28/1999	11/4/1999	12:18	
Feedlot	EOT99-02	E9901233	10	Steer 10	Serum	Primary	7782-49-2	Selenium	0.304	0.005	EDL	ug/g	Wet Wt	1			10/8/1999	ICP, Hydride	VGICP_11-04-99	1104SEHA	10/28/1999	11/4/1999	12:21	
Feedlot	EOT99-02	E9901234	11	Steer 11	Serum	Primary	7782-49-2	Selenium	0.139	0.005	EDL	ug/g	Wet Wt	1			10/8/1999	ICP, Hydride	VGICP_11-04-99	1104SEHA	10/28/1999	11/4/1999	12:24	
Feedlot	EOT99-02	E9901235	12	Steer 12	Serum	Primary	7782-49-2	Selenium	0.092	0.005	EDL	ug/g	Wet Wt	1			10/8/1999	ICP, Hydride	VGICP_11-04-99	1104SEHA	10/28/1999	11/4/1999	12:29	
Feedlot	EOT99-02	E9901236	13	Steer 13	Serum	Primary	7782-49-2	Selenium	0.096	0.005	EDL	ug/g	Wet Wt	1			10/8/1999	ICP, Hydride	VGICP_11-04-99	1104SEHA	10/28/1999	11/4/1999	12:32	
Feedlot	EOT99-02	E9901237	14	Steer 14	Serum	Primary	7782-49-2	Selenium	0.109	0.005	EDL	ug/g	Wet Wt	1			10/8/1999	ICP, Hydride	VGICP_11-04-99	1104SEHA	10/28/1999	11/4/1999	12:35	
Feedlot	EOT99-02	E9901237SR	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.451	0.005	EDL	ug/g	Wet Wt	1	0.446	101	NA	ICP, Hydride	VGICP_11-04-99	1104SEHA	10/28/1999	11/4/1999	12:38	
Feedlot	EOT99-02	E9901238	15	Steer 15	Serum	Primary	7782-49-2	Selenium	0.097	0.005	EDL	ug/g	Wet Wt	1			10/8/1999	ICP, Hydride	VGICP_11-04-99	1104SEHA	10/28/1999	11/4/1999	12:41	
Feedlot	EOT99-02	E9901239	16	Steer 16	Serum	Primary	7782-49-2	Selenium	0.033	0.005	EDL	ug/g	Wet Wt	1			10/8/1999	ICP, Hydride	VGICP_11-04-99	1104SEHA	10/28/1999	11/4/1999	12:45	
Feedlot	EOT99-02	E9901240	17	Steer 17	Serum	Primary	7782-49-2	Selenium	0.040	0.005	EDL	ug/g	Wet Wt	1			10/8/1999	ICP, Hydride	VGICP_11-04-99	1104SEHA	10/28/1999	11/4/1999	12:47	
Feedlot	EOT99-02	E9901241	18	Steer 18	Serum	Primary	7782-49-2	Selenium	0.028	0.005	EDL	ug/g	Wet Wt	1			10/8/1999	ICP, Hydride	VGICP_11-04-99	1104SEHA	10/28/1999	11/4/1999	12:50	
Feedlot	EOT99-02	E9901242	19	Steer 19	Serum	Primary	7782-49-2	Selenium	0.037	0.005	EDL	ug/g	Wet Wt	1			10/8/1999	ICP, Hydride	VGICP_11-04-99	1104SEHA	10/28/1999	11/4/1999	12:53	
Feedlot	EOT99-02	E9901243	20	Steer 20	Serum	Primary	7782-49-2	Selenium	-0.054	0.005	EDL	ug/g	Wet Wt	1			10/8/1999	ICP, Hydride	VGICP_11-04-99	1104SEHA	10/28/1999	11/4/1999	12:56	
Feedlot	EOT99-02	E9901243SR	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.440	0.005	EDL	ug/g	Wet Wt	1	0.446	99	NA	ICP, Hydride	VGICP_11-04-99	1104SEHA	10/28/1999	11/4/1999	12:59	
Feedlot	EOT99-02	7140	Check Standard	NA	Lab QC	CCV	7440-66-6	Zinc	1.09	0.08	EDL	ug/g	Wet Wt	1	1.3	84	NA	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	9:51	
Feedlot	EOT99-02	7140	Check Standard	NA	Lab QC	CCV	7723-14-0	Phosphorus	63.2	2	EDL	ug/g	Wet Wt	1	83.8	75	NA	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	9:51	
Feedlot	EOT99-02	7140	Check Standard	NA	Lab QC	CCV	7439-89-6	Iron	1.81	0.22	EDL	ug/g	Wet Wt	1	1.70	106	NA	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	9:51	

ATTACHMENT A
MWH EDD - 1999 - 2000 CATTLE TISSUE AND BLOOD DATA

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Feedlot	EOT99-02	7140	Check Standard	NA	Lab QC	CCV	7439-95-4	Magnesium	22.2	0.04	EDL	ug/g	Wet Wt	1	24.6	90	NA	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	9:51	
Feedlot	EOT99-02	7140	Check Standard	NA	Lab QC	CCV	7440-50-8	Copper	1.2	0.07	EDL	ug/g	Wet Wt	1	1.33	90	NA	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	9:51	
Feedlot	EOT99-02	7140	Check Standard	NA	Lab QC	CCV	7440-70-2	Calcium	103	0.07	EDL	ug/g	Wet Wt	1	109	94	NA	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	9:51	
Feedlot	EOT99-02	E9901224	1	Steer 01	Serum	Primary	7440-66-6	Zinc	1.62	0.08	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	9:55	
Feedlot	EOT99-02	E9901224	1	Steer 01	Serum	Primary	7723-14-0	phosphorus	114	2	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	9:55	
Feedlot	EOT99-02	E9901224	1	Steer 01	Serum	Primary	7439-89-6	Iron	1.65	0.22	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	9:55	
Feedlot	EOT99-02	E9901224	1	Steer 01	Serum	Primary	7439-95-4	Magnesium	26.2	0.04	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	9:55	
Feedlot	EOT99-02	E9901224	1	Steer 01	Serum	Primary	7440-50-8	Copper	0.392	0.07	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	9:55	
Feedlot	EOT99-02	E9901224	1	Steer 01	Serum	Primary	7440-70-2	Calcium	119	0.07	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	9:55	
Feedlot	EOT99-02	E9901225	2	Steer 02	Serum	Primary	7440-66-6	Zinc	0.942	0.08	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:11	
Feedlot	EOT99-02	E9901225	2	Steer 02	Serum	Primary	7723-14-0	phosphorus	69.6	2	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:11	
Feedlot	EOT99-02	E9901225	2	Steer 02	Serum	Primary	7439-89-6	Iron	1.59	0.22	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:11	
Feedlot	EOT99-02	E9901225	2	Steer 02	Serum	Primary	7439-95-4	Magnesium	18.5	0.04	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:11	
Feedlot	EOT99-02	E9901225	2	Steer 02	Serum	Primary	7440-50-8	Copper	0.473	0.07	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:11	
Feedlot	EOT99-02	E9901225	2	Steer 02	Serum	Primary	7440-70-2	Calcium	94.4	0.07	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:11	
Feedlot	EOT99-02	E9901226	3	Steer 03	Serum	Primary	7440-66-6	Zinc	0.962	0.08	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:14	
Feedlot	EOT99-02	E9901226	3	Steer 03	Serum	Primary	7723-14-0	phosphorus	70.1	2	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:14	
Feedlot	EOT99-02	E9901226	3	Steer 03	Serum	Primary	7439-89-6	Iron	1.69	0.22	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:14	
Feedlot	EOT99-02	E9901226	3	Steer 03	Serum	Primary	7439-95-4	Magnesium	23.4	0.04	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:14	
Feedlot	EOT99-02	E9901226	3	Steer 03	Serum	Primary	7440-50-8	Copper	0.627	0.07	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:14	
Feedlot	EOT99-02	E9901226	3	Steer 03	Serum	Primary	7440-70-2	Calcium	101	0.07	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:14	
Feedlot	EOT99-02	E9901227	4	Steer 04	Serum	Primary	7440-66-6	Zinc	1.02	0.08	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:17	
Feedlot	EOT99-02	E9901227	4	Steer 04	Serum	Primary	7723-14-0	phosphorus	80.2	2	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:17	
Feedlot	EOT99-02	E9901227	4	Steer 04	Serum	Primary	7439-89-6	Iron	1.67	0.22	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:17	
Feedlot	EOT99-02	E9901227	4	Steer 04	Serum	Primary	7439-95-4	Magnesium	19.8	0.04	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:17	
Feedlot	EOT99-02	E9901227	4	Steer 04	Serum	Primary	7440-50-8	Copper	0.992	0.07	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:17	
Feedlot	EOT99-02	E9901227	4	Steer 04	Serum	Primary	7440-70-2	Calcium	104	0.07	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:17	
Feedlot	EOT99-02	E9901228	5	Steer 05	Serum	Primary	7440-66-6	Zinc	0.761	0.08	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:20	
Feedlot	EOT99-02	E9901228	5	Steer 05	Serum	Primary	7723-14-0	phosphorus	81.9	2	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:20	
Feedlot	EOT99-02	E9901228	5	Steer 05	Serum	Primary	7439-89-6	Iron	1.05	0.22	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:20	
Feedlot	EOT99-02	E9901228	5	Steer 05	Serum	Primary	7439-95-4	Magnesium	21	0.04	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:20	
Feedlot	EOT99-02	E9901228	5	Steer 05	Serum	Primary	7440-50-8	Copper	0.712	0.07	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:20	
Feedlot	EOT99-02	E9901228	5	Steer 05	Serum	Primary	7440-70-2	Calcium	99.2	0.07	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:20	
Feedlot	EOT99-02	E9901229	6	Steer 06	Serum	Primary	7440-66-6	Zinc	1.07	0.08	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:23	
Feedlot	EOT99-02	E9901229	6	Steer 06	Serum	Primary	7723-14-0	phosphorus	85.2	2	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:23	
Feedlot	EOT99-02	E9901229	6	Steer 06	Serum	Primary	7439-89-6	Iron	1.73	0.22	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:23	
Feedlot	EOT99-02	E9901229	6	Steer 06	Serum	Primary	7439-95-4	Magnesium	23.8	0.04	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:23	
Feedlot	EOT99-02	E9901229	6	Steer 06	Serum	Primary	7440-50-8	Copper	0.711	0.07	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:23	
Feedlot	EOT99-02	E9901229	6	Steer 06	Serum	Primary	7440-70-2	Calcium	97.7	0.07	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:23	
Feedlot	EOT99-02	E9901230	7	Steer 07	Serum	Primary	7440-66-6	Zinc	1.16	0.08	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:26	
Feedlot	EOT99-02	E9901230	7	Steer 07	Serum	Primary	7723-14-0	phosphorus	85	2	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:26	
Feedlot	EOT99-02	E9901230	7	Steer 07	Serum	Primary	7439-89-6	Iron	1.75	0.22	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:26	
Feedlot	EOT99-02	E9901230	7	Steer 07	Serum	Primary	7439-95-4	Magnesium	23.4	0.04	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:26	
Feedlot	EOT99-02	E9901230	7	Steer 07	Serum	Primary	7440-50-8	Copper	0.614	0.07	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:26	
Feedlot	EOT99-02	E9901230	7	Steer 07	Serum	Primary	7440-70-2	Calcium	102	0.07	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:26	
Feedlot	EOT99-02	E9901231	8	Steer 08	Serum	Primary	7440-66-6	Zinc	0.943	0.08	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:29	
Feedlot	EOT99-02	E9901231	8	Steer 08	Serum	Primary	7723-14-0	phosphorus	73.2	2	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:29	
Feedlot	EOT99-02	E9901231	8	Steer 08	Serum	Primary	7439-89-6	Iron	1.66	0.22	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:29	
Feedlot	EOT99-02	E9901231	8	Steer 08	Serum	Primary	7439-95-4	Magnesium	24	0.04	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:29	
Feedlot	EOT99-02	E9901231	8	Steer 08	Serum	Primary	7440-50-8	Copper	0.624	0.07	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:29	
Feedlot	EOT99-02	E9901231	8	Steer 08	Serum	Primary	7440-70-2	Calcium	98.2	0.07	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:29	
Feedlot	EOT99-02	E9901232	9	Steer 09	Serum	Primary	7440-66-6	Zinc	0.876	0.08	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:32	
Feedlot	EOT99-02	E9901232	9	Steer 09	Serum	Primary	7723-14-0	phosphorus	75	2	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:32	
Feedlot	EOT99-02	E9901232	9	Steer 09	Serum	Primary	7439-89-6	Iron	1.84	0.22	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:32	
Feedlot	EOT99-02	E9901232	9	Steer 09	Serum	Primary	7439-95-4	Magnesium	21.5	0.04	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:32	
Feedlot	EOT99-02	E9901232	9	Steer 09	Serum	Primary	7440-50-8	Copper	0.683	0.07	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:32	
Feedlot	EOT99-02	E9901232	9	Steer 09	Serum	Primary	7440-70-2	Calcium	101	0.07	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:32	
Feedlot	EOT99-02	E9901233	10	Steer 10	Serum	Primary	7440-66-6	Zinc	1.05	0.08	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:35	

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Feedlot	EOT99-02	E9901233	10	Steer 10	Serum	Primary	7723-14-0	phosphorus	71.2	2	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:35	
Feedlot	EOT99-02	E9901233	10	Steer 10	Serum	Primary	7439-89-6	Iron	3.08	0.22	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:35	
Feedlot	EOT99-02	E9901233	10	Steer 10	Serum	Primary	7439-95-4	Magnesium	24.2	0.04	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:35	
Feedlot	EOT99-02	E9901233	10	Steer 10	Serum	Primary	7440-50-8	Copper	0.703	0.07	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:35	
Feedlot	EOT99-02	E9901233	10	Steer 10	Serum	Primary	7440-70-2	Calcium	101	0.07	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:35	
Feedlot	EOT99-02	E9901234	11	Steer 11	Serum	Primary	7440-66-6	Zinc	1.17	0.08	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:38	
Feedlot	EOT99-02	E9901234	11	Steer 11	Serum	Primary	7723-14-0	phosphorus	89.1	2	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:38	
Feedlot	EOT99-02	E9901234	11	Steer 11	Serum	Primary	7439-89-6	Iron	1.48	0.22	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:38	
Feedlot	EOT99-02	E9901234	11	Steer 11	Serum	Primary	7439-95-4	Magnesium	22.1	0.04	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:38	
Feedlot	EOT99-02	E9901234	11	Steer 11	Serum	Primary	7440-50-8	Copper	0.442	0.07	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:38	
Feedlot	EOT99-02	E9901234	11	Steer 11	Serum	Primary	7440-70-2	Calcium	110	0.07	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:38	
Feedlot	EOT99-02	E9901235	12	Steer 12	Serum	Primary	7440-66-6	Zinc	0.987	0.08	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:41	
Feedlot	EOT99-02	E9901235	12	Steer 12	Serum	Primary	7723-14-0	phosphorus	94.2	2	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:41	
Feedlot	EOT99-02	E9901235	12	Steer 12	Serum	Primary	7439-89-6	Iron	1.88	0.22	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:41	
Feedlot	EOT99-02	E9901235	12	Steer 12	Serum	Primary	7439-95-4	Magnesium	21.3	0.04	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:41	
Feedlot	EOT99-02	E9901235	12	Steer 12	Serum	Primary	7440-50-8	Copper	0.63	0.07	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:41	
Feedlot	EOT99-02	E9901235	12	Steer 12	Serum	Primary	7440-70-2	Calcium	104	0.07	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:41	
Feedlot	EOT99-02	7140-1	Check Standard	NA	Lab QC	CCV	7440-66-6	Zinc	1.2	0.08	EDL	ug/g	Wet Wt	1	1.3	92	NA	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:44	
Feedlot	EOT99-02	7140-1	Check Standard	NA	Lab QC	CCV	7723-14-0	Phosphorus	76.3	2	EDL	ug/g	Wet Wt	1	83.8	91	NA	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:44	
Feedlot	EOT99-02	7140-1	Check Standard	NA	Lab QC	CCV	7439-89-6	Iron	1.84	0.22	EDL	ug/g	Wet Wt	1	1.70	108	NA	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:44	
Feedlot	EOT99-02	7140-1	Check Standard	NA	Lab QC	CCV	7439-95-4	Magnesium	22.2	0.04	EDL	ug/g	Wet Wt	1	24.6	90	NA	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:44	
Feedlot	EOT99-02	7140-1	Check Standard	NA	Lab QC	CCV	7440-50-8	Copper	1.38	0.07	EDL	ug/g	Wet Wt	1	1.33	104	NA	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:44	
Feedlot	EOT99-02	7140-1	Check Standard	NA	Lab QC	CCV	7440-70-2	Calcium	104	0.07	EDL	ug/g	Wet Wt	1	109	95	NA	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:44	
Feedlot	EOT99-02	E9901236	13	Steer 13	Serum	Primary	7440-66-6	Zinc	1.18	0.08	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:47	
Feedlot	EOT99-02	E9901236	13	Steer 13	Serum	Primary	7723-14-0	phosphorus	58	2	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:47	
Feedlot	EOT99-02	E9901236	13	Steer 13	Serum	Primary	7439-89-6	Iron	2.05	0.22	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:47	
Feedlot	EOT99-02	E9901236	13	Steer 13	Serum	Primary	7439-95-4	Magnesium	20.9	0.04	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:47	
Feedlot	EOT99-02	E9901236	13	Steer 13	Serum	Primary	7440-50-8	Copper	0.804	0.07	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:47	
Feedlot	EOT99-02	E9901236	13	Steer 13	Serum	Primary	7440-70-2	Calcium	105	0.07	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:47	
Feedlot	EOT99-02	E9901237	14	Steer 14	Serum	Primary	7440-66-6	Zinc	1.04	0.08	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:50	
Feedlot	EOT99-02	E9901237	14	Steer 14	Serum	Primary	7723-14-0	phosphorus	76.3	2	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:50	
Feedlot	EOT99-02	E9901237	14	Steer 14	Serum	Primary	7439-89-6	Iron	1.64	0.22	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:50	
Feedlot	EOT99-02	E9901237	14	Steer 14	Serum	Primary	7439-95-4	Magnesium	22.9	0.04	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:50	
Feedlot	EOT99-02	E9901237	14	Steer 14	Serum	Primary	7440-50-8	Copper	0.605	0.07	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:50	
Feedlot	EOT99-02	E9901237	14	Steer 14	Serum	Primary	7440-70-2	Calcium	104	0.07	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:50	
Feedlot	EOT99-02	E9901238	15	Steer 15	Serum	Primary	7440-66-6	Zinc	0.976	0.08	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:53	
Feedlot	EOT99-02	E9901238	15	Steer 15	Serum	Primary	7723-14-0	phosphorus	89.6	2	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:53	
Feedlot	EOT99-02	E9901238	15	Steer 15	Serum	Primary	7439-89-6	Iron	1.81	0.22	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:53	
Feedlot	EOT99-02	E9901238	15	Steer 15	Serum	Primary	7439-95-4	Magnesium	21.4	0.04	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:53	
Feedlot	EOT99-02	E9901238	15	Steer 15	Serum	Primary	7440-50-8	Copper	0.688	0.07	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:53	
Feedlot	EOT99-02	E9901238	15	Steer 15	Serum	Primary	7440-70-2	Calcium	102	0.07	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:53	
Feedlot	EOT99-02	E9901239	16	Steer 16	Serum	Primary	7440-66-6	Zinc	0.935	0.08	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:56	
Feedlot	EOT99-02	E9901239	16	Steer 16	Serum	Primary	7723-14-0	phosphorus	77	2	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:56	
Feedlot	EOT99-02	E9901239	16	Steer 16	Serum	Primary	7439-89-6	Iron	1.8	0.22	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:56	
Feedlot	EOT99-02	E9901239	16	Steer 16	Serum	Primary	7439-95-4	Magnesium	19.9	0.04	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:56	
Feedlot	EOT99-02	E9901239	16	Steer 16	Serum	Primary	7440-50-8	Copper	0.787	0.07	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:56	
Feedlot	EOT99-02	E9901239	16	Steer 16	Serum	Primary	7440-70-2	Calcium	109	0.07	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:56	
Feedlot	EOT99-02	E9901240	17	Steer 17	Serum	Primary	7440-66-6	Zinc	0.917	0.08	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:59	
Feedlot	EOT99-02	E9901240	17	Steer 17	Serum	Primary	7723-14-0	phosphorus	84.8	2	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:59	
Feedlot	EOT99-02	E9901240	17	Steer 17	Serum	Primary	7439-89-6	Iron	1.22	0.22	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:59	
Feedlot	EOT99-02	E9901240	17	Steer 17	Serum	Primary	7439-95-4	Magnesium	17.5	0.04	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:59	
Feedlot	EOT99-02	E9901240	17	Steer 17	Serum	Primary	7440-50-8	Copper	0.881	0.07	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:59	
Feedlot	EOT99-02	E9901240	17	Steer 17	Serum	Primary	7440-70-2	Calcium	107	0.07	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	10:59	
Feedlot	EOT99-02	E9901241	18	Steer 18	Serum	Primary	7440-66-6	Zinc	0.926	0.08	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	11:02	
Feedlot	EOT99-02	E9901241	18	Steer 18	Serum	Primary	7723-14-0	phosphorus	93.7	2	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	11:02	
Feedlot	EOT99-02	E9901241	18	Steer 18	Serum	Primary	7439-89-6	Iron	1.17	0.22	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	11:02	
Feedlot	EOT99-02	E9901241	18	Steer 18	Serum	Primary	7439-95-4	Magnesium	21.6	0.04	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	11:02	
Feedlot	EOT99-02	E9901241	18	Steer 18	Serum	Primary	7440-50-8	Copper	0.658	0.07	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	11:02	

ATTACHMENT A
MWH EDD - 1999 - 2000 CATTLE TISSUE AND BLOOD DATA

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Feedlot	EOT99-02	E9901241	18	Steer 18	Serum	Primary	7440-70-2	Calcium	103	0.07	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	11:02	
Feedlot	EOT99-02	E9901242	19	Steer 19	Serum	Primary	7440-66-6	Zinc	0.965	0.08	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	11:05	
Feedlot	EOT99-02	E9901242	19	Steer 19	Serum	Primary	7723-14-0	phosphorus	94.4	2	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	11:05	
Feedlot	EOT99-02	E9901242	19	Steer 19	Serum	Primary	7439-89-6	Iron	1.55	0.22	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	11:05	
Feedlot	EOT99-02	E9901242	19	Steer 19	Serum	Primary	7439-95-4	Magnesium	24.9	0.04	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	11:05	
Feedlot	EOT99-02	E9901242	19	Steer 19	Serum	Primary	7440-50-8	Copper	0.88	0.07	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	11:05	
Feedlot	EOT99-02	E9901242	19	Steer 19	Serum	Primary	7440-70-2	Calcium	109	0.07	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	11:05	
Feedlot	EOT99-02	E9901243	20	Steer 20	Serum	Primary	7440-66-6	Zinc	0.881	0.08	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	11:08	
Feedlot	EOT99-02	E9901243	20	Steer 20	Serum	Primary	7723-14-0	phosphorus	83.1	2	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	11:08	
Feedlot	EOT99-02	E9901243	20	Steer 20	Serum	Primary	7439-89-6	Iron	1.52	0.22	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	11:08	
Feedlot	EOT99-02	E9901243	20	Steer 20	Serum	Primary	7439-95-4	Magnesium	22.5	0.04	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	11:08	
Feedlot	EOT99-02	E9901243	20	Steer 20	Serum	Primary	7440-50-8	Copper	0.552	0.07	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	11:08	
Feedlot	EOT99-02	E9901243	20	Steer 20	Serum	Primary	7440-70-2	Calcium	104	0.07	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	11:08	
Feedlot	EOT99-02	7140-2	Check Standard	NA	Lab QC	CCV	7440-66-6	Zinc	1.21	0.08	EDL	ug/g	Wet Wt	1	1.3	93	NA	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	11:11	
Feedlot	EOT99-02	7140-2	Check Standard	NA	Lab QC	CCV	7723-14-0	Phosphorus	71	2	EDL	ug/g	Wet Wt	1	83.8	85	NA	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	11:11	
Feedlot	EOT99-02	7140-2	Check Standard	NA	Lab QC	CCV	7439-89-6	Iron	1.87	0.22	EDL	ug/g	Wet Wt	1	1.70	110	NA	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	11:11	
Feedlot	EOT99-02	7140-2	Check Standard	NA	Lab QC	CCV	7439-95-4	Magnesium	22.6	0.04	EDL	ug/g	Wet Wt	1	24.6	92	NA	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	11:11	
Feedlot	EOT99-02	7140-2	Check Standard	NA	Lab QC	CCV	7440-50-8	Copper	1.32	0.07	EDL	ug/g	Wet Wt	1	1.33	99	NA	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	11:11	
Feedlot	EOT99-02	7140-2	Check Standard	NA	Lab QC	CCV	7440-70-2	Calcium	101	0.07	EDL	ug/g	Wet Wt	1	109	93	NA	ICP - TES	TESICP_10-27-99	1027TES2	10/25/1999	12/27/1999	11:11	
Feedlot	EOT99-07	E9901375SR	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.414	0.005	EDL	ug/g	Wet Wt	1	0.446	93	NA	ICP, Hydride	VGICP_11-09-99B	1109SEHA	11/4/1999	11/8/1999	12:18	
Feedlot	EOT99-07	E9901375	1	Steer 01	Serum	Primary	7782-49-2	Selenium	0.192	0.005	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_11-09-99B	1109SEHA	11/4/1999	11/8/1999	12:21	
Feedlot	EOT99-07	E9901376	2	Steer 02	Serum	Primary	7782-49-2	Selenium	0.342	0.005	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_11-09-99B	1109SEHA	11/4/1999	11/8/1999	12:23	
Feedlot	EOT99-07	E9901377	3	Steer 03	Serum	Primary	7782-49-2	Selenium	0.291	0.005	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_11-09-99B	1109SEHA	11/4/1999	11/8/1999	12:26	
Feedlot	EOT99-07	E9901378	4	Steer 04	Serum	Primary	7782-49-2	Selenium	0.306	0.005	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_11-09-99B	1109SEHA	11/4/1999	11/8/1999	12:29	
Feedlot	EOT99-07	E9901380	6	Steer 06	Serum	Primary	7782-49-2	Selenium	0.459	0.005	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_11-09-99B	1109SEHA	11/4/1999	11/8/1999	12:32	
Feedlot	EOT99-07	E9901381	7	Steer 07	Serum	Primary	7782-49-2	Selenium	0.081	0.005	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_11-09-99B	1109SEHA	11/4/1999	11/8/1999	12:35	
Feedlot	EOT99-07	E9901382	8	Steer 08	Serum	Primary	7782-49-2	Selenium	0.207	0.005	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_11-09-99B	1109SEHA	11/4/1999	11/8/1999	12:38	
Feedlot	EOT99-07	E9901383	9	Steer 09	Serum	Primary	7782-49-2	Selenium	0.0090	0.005	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_11-09-99B	1109SEHA	11/4/1999	11/8/1999	12:41	
Feedlot	EOT99-07	E9901384	10	Steer 10	Serum	Primary	7782-49-2	Selenium	0.0070	0.005	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_11-09-99B	1109SEHA	11/4/1999	11/8/1999	12:43	
Feedlot	EOT99-07	E9901385	11	Steer 11	Serum	Primary	7782-49-2	Selenium	0.201	0.005	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_11-09-99B	1109SEHA	11/4/1999	11/8/1999	12:46	
Feedlot	EOT99-07	E9901386	12	Steer 12	Serum	Primary	7782-49-2	Selenium	0.027	0.005	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_11-09-99B	1109SEHA	11/4/1999	11/8/1999	12:49	
Feedlot	EOT99-07	E9901386SR	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.468	0.005	EDL	ug/g	Wet Wt	1	0.446	105	NA	ICP, Hydride	VGICP_11-09-99B	1109SEHA	11/4/1999	11/8/1999	12:52	
Feedlot	EOT99-07	E9901387	13	Steer 13	Serum	Primary	7782-49-2	Selenium	0.0030	0.005	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_11-09-99B	1109SEHA	11/4/1999	11/8/1999	12:55	
Feedlot	EOT99-07	E9901388	14	Steer 14	Serum	Primary	7782-49-2	Selenium	0.0080	0.005	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_11-09-99B	1109SEHA	11/4/1999	11/8/1999	12:58	
Feedlot	EOT99-07	E9901389	15	Steer 15	Serum	Primary	7782-49-2	Selenium	0.270	0.005	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_11-09-99B	1109SEHA	11/4/1999	11/8/1999	13:01	
Feedlot	EOT99-07	E9901390	16	Steer 16	Serum	Primary	7782-49-2	Selenium	0.043	0.005	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_11-09-99B	1109SEHA	11/4/1999	11/8/1999	13:04	
Feedlot	EOT99-07	E9901391	17	Steer 17	Serum	Primary	7782-49-2	Selenium	0.037	0.005	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_11-09-99B	1109SEHA	11/4/1999	11/8/1999	13:07	
Feedlot	EOT99-07	E9901392	18	Steer 18	Serum	Primary	7782-49-2	Selenium	0.031	0.005	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_11-09-99B	1109SEHA	11/4/1999	11/8/1999	13:09	
Feedlot	EOT99-07	E9901393	19	Steer 19	Serum	Primary	7782-49-2	Selenium	0.055	0.005	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_11-09-99B	1109SEHA	11/4/1999	11/8/1999	13:12	
Feedlot	EOT99-07	E9901394	20	Steer 20	Serum	Primary	7782-49-2	Selenium	0.013	0.005	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_11-09-99B	1109SEHA	11/4/1999	11/8/1999	13:15	
Feedlot	EOT99-07	E9901419	5	Steer 05	Serum	Primary	7782-49-2	Selenium	0.190	0.005	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_11-09-99B	1109SEHA	11/4/1999	11/8/1999	13:18	
Feedlot	EOT99-07	E9901419SR	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.465	0.005	EDL	ug/g	Wet Wt	1	0.446	104	NA	ICP, Hydride	VGICP_11-09-99B	1109SEHA	11/4/1999	11/8/1999	13:21	
Feedlot	EOT99-07	E9901419B	Laboratory Blank	NA	Lab QC	Blank	7782-49-2	Selenium	-1.17	0.005	EDL	ug/g	Wet Wt	1			NA	ICP, Hydride	VGICP_11-09-99B	1109SEHA	11/4/1999	11/8/1999	13:21	
Feedlot	EOT99-07	E9901419CS	Check Standard	NA	Lab QC	CCV	7782-49-2	Selenium	0.302	0.005	EDL	ug/g	Wet Wt	1	0.3	101	NA	ICP, Hydride	VGICP_11-09-99B	1109SEHA	11/4/1999	11/8/1999	13:21	
Feedlot	EOT99-07	E9901419CS	Check Standard	NA	Lab QC	CCV	7782-49-2	Selenium	0.052	0.005	EDL	ug/g	Wet Wt	1	0.05	104	NA	ICP, Hydride	VGICP_11-09-99B	1109SEHA	11/4/1999	11/8/1999	13:21	
Feedlot	EOT99-07	E9901435SR	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.560	0.005	EDL	ug/g	Wet Wt	1	0.446	126	NA	ICP, Hydride	VGICP_11-09-99A	1109SE	11/4/1999	11/9/1999	10:24	
Feedlot	EOT99-07	E9901435	1	Steer 01	Blood	Primary	7782-49-2	Selenium	1.38	0.005	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_11-09-99A	1109SE	11/4/1999	11/9/1999	10:27	
Feedlot	EOT99-07	E9901438	4	Steer 04	Blood	Primary	7782-49-2	Selenium	1.95	0.005	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_11-09-99A	1109SE	11/4/1999	11/9/1999	10:35	
Feedlot	EOT99-07	E9901439	5	Steer 05	Blood	Primary	7782-49-2	Selenium	1.38	0.005	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_11-09-99A	1109SE	11/4/1999	11/9/1999	10:38	
Feedlot	EOT99-07	E9901440	6	Steer 06	Blood	Primary	7782-49-2	Selenium	2.08	0.005	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_11-09-99A	1109SE	11/4/1999	11/9/1999	10:41	
Feedlot	EOT99-07	E9901441	7	Steer 07	Blood	Primary	7782-49-2	Selenium	2.12	0.005	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_11-09-99A	1109SE	11/4/1999	11/9/1999	10:44	
Feedlot	EOT99-07	E9901442	8	Steer 08	Blood	Primary	7782-49-2	Selenium	1.17	0.005	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_11-09-99A	1109SE	11/4/1999	11/9/1999	10:47	
Feedlot	EOT99-07	E9901443	9	Steer 09	Blood	Primary	7782-49-2	Selenium	2.38	0.005	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_11-09-99A	1109SE	11/4/1999	11/9/1999	10:50	
Feedlot	EOT99-07	E9901444	10	Steer 10	Blood	Primary	7782-49-2	Selenium	2.24	0.005	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_11-09-99A	1109SE	11/4/1999	11/9/1999	10:53	
Feedlot	EOT99-07	E9901445	11	Steer 11	Blood	Primary	7782-49-2	Selenium	1.88	0.005	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_11-09-99A	1109SE	11/4/1999	11/9/1999	10:55	
Feedlot	EOT99-07	E9901445SR	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.568	0.005	EDL	ug/g	Wet Wt	1	0.446	127	NA	ICP, Hydride	VGICP_11-09-99A	1109SE	11/4/1999	11/9/1999	10:58	
Feedlot	EOT99-07	E9901446	12	Steer 12	Blood	Primary	7782-49-2	Selenium	1.63	0.005	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_11-09-99A	1109SE	11/4/1999	11/9/1999	11:02	
Feedlot	EOT99-07	E9901447	13	Steer 13	Blood	Primary	7782-49-2	Selenium	1.69	0.005	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_11-09-99A	1109SE	11/4/1999	11/9/1999	11:04	

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Feedlot	EOT99-07	E9901448	14	Steer 14	Blood	Primary	7782-49-2	Selenium	1.46	0.005	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_11-09-99A	1109SE	11/4/1999	11/9/1999	11:07	
Feedlot	EOT99-07	E9901449	15	Steer 15	Blood	Primary	7782-49-2	Selenium	2.16	0.005	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_11-09-99A	1109SE	11/4/1999	11/9/1999	11:10	
Feedlot	EOT99-07	E9901450	16	Steer 16	Blood	Primary	7782-49-2	Selenium	0.214	0.005	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_11-09-99A	1109SE	11/4/1999	11/9/1999	11:13	
Feedlot	EOT99-07	E9901451	17	Steer 17	Blood	Primary	7782-49-2	Selenium	0.185	0.005	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_11-09-99A	1109SE	11/4/1999	11/9/1999	11:16	
Feedlot	EOT99-07	E9901452	18	Steer 18	Blood	Primary	7782-49-2	Selenium	0.218	0.005	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_11-09-99A	1109SE	11/4/1999	11/9/1999	11:19	
Feedlot	EOT99-07	E9901453	19	Steer 19	Blood	Primary	7782-49-2	Selenium	0.231	0.005	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_11-09-99A	1109SE	11/4/1999	11/9/1999	11:22	
Feedlot	EOT99-07	E9901454	20	Steer 20	Blood	Primary	7782-49-2	Selenium	0.138	0.005	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_11-09-99A	1109SE	11/4/1999	11/9/1999	11:25	
Feedlot	EOT99-07	E9901454SR	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.546	0.005	EDL	ug/g	Wet Wt	1	0.446	122	NA	ICP, Hydride	VGICP_11-09-99A	1109SE	11/4/1999	11/9/1999	11:27	
Feedlot	EOT99-07	E9901437	3	Steer 03	Blood	Primary	7782-49-2	Selenium	3.33	0.005	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_11-09-99A	1109SE	11/4/1999	11/9/1999	11:31	
Feedlot	EOT99-07	E9901436	2	Steer 02	Blood	Primary	7782-49-2	Selenium	3.39	0.005	EDL	ug/g	Wet Wt	1			10/22/1999	ICP, Hydride	VGICP_11-09-99A	1109SE	11/4/1999	11/9/1999	11:34	
Feedlot	EOT99-07	7140	Check Standard	NA	Lab QC	CCV	7440-66-6	Zinc	1.23	0.08	EDL	ug/g	Wet Wt	1	1.3	95	NA	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	11:38	
Feedlot	EOT99-07	7140	Check Standard	NA	Lab QC	CCV	7723-14-0	Phosphorus	79.8	2	EDL	ug/g	Wet Wt	1	83.8	95	NA	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	11:38	
Feedlot	EOT99-07	7140	Check Standard	NA	Lab QC	CCV	7439-89-6	Iron	1.89	0.22	EDL	ug/g	Wet Wt	1	1.70	111	NA	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	11:38	
Feedlot	EOT99-07	7140	Check Standard	NA	Lab QC	CCV	7439-95-4	Magnesium	26.1	0.04	EDL	ug/g	Wet Wt	1	24.6	106	NA	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	11:38	
Feedlot	EOT99-07	7140	Check Standard	NA	Lab QC	CCV	7440-50-8	Copper	1.45	0.07	EDL	ug/g	Wet Wt	1	1.33	109	NA	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	11:38	
Feedlot	EOT99-07	7140	Check Standard	NA	Lab QC	CCV	7440-70-2	Calcium	99.9	0.07	EDL	ug/g	Wet Wt	1	109	92	NA	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	11:38	
Feedlot	EOT99-07	E9901375	1	Steer 01	Serum	Primary	7440-66-6	Zinc	0.61	0.08	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	11:41	
Feedlot	EOT99-07	E9901375	1	Steer 01	Serum	Primary	7723-14-0	phosphorus	65	2	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	11:41	
Feedlot	EOT99-07	E9901375	1	Steer 01	Serum	Primary	7439-89-6	Iron	1.21	0.22	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	11:41	
Feedlot	EOT99-07	E9901375	1	Steer 01	Serum	Primary	7439-95-4	Magnesium	21.5	0.04	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	11:41	
Feedlot	EOT99-07	E9901375	1	Steer 01	Serum	Primary	7440-50-8	Copper	0.687	0.07	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	11:41	
Feedlot	EOT99-07	E9901375	1	Steer 01	Serum	Primary	7440-70-2	Calcium	95.3	0.07	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	11:41	
Feedlot	EOT99-07	E9901376	2	Steer 02	Serum	Primary	7440-66-6	Zinc	1.06	0.08	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	11:44	
Feedlot	EOT99-07	E9901376	2	Steer 02	Serum	Primary	7723-14-0	phosphorus	78.2	2	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	11:44	
Feedlot	EOT99-07	E9901376	2	Steer 02	Serum	Primary	7439-89-6	Iron	2.74	0.22	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	11:44	
Feedlot	EOT99-07	E9901376	2	Steer 02	Serum	Primary	7439-95-4	Magnesium	26	0.04	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	11:44	
Feedlot	EOT99-07	E9901376	2	Steer 02	Serum	Primary	7440-50-8	Copper	0.89	0.07	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	11:44	
Feedlot	EOT99-07	E9901376	2	Steer 02	Serum	Primary	7440-70-2	Calcium	105	0.07	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	11:44	
Feedlot	EOT99-07	E9901377	3	Steer 03	Serum	Primary	7440-66-6	Zinc	0.602	0.08	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	11:47	
Feedlot	EOT99-07	E9901377	3	Steer 03	Serum	Primary	7723-14-0	phosphorus	57	2	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	11:47	
Feedlot	EOT99-07	E9901377	3	Steer 03	Serum	Primary	7439-89-6	Iron	1.23	0.22	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	11:47	
Feedlot	EOT99-07	E9901377	3	Steer 03	Serum	Primary	7439-95-4	Magnesium	20.6	0.04	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	11:47	
Feedlot	EOT99-07	E9901377	3	Steer 03	Serum	Primary	7440-50-8	Copper	1.19	0.07	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	11:47	
Feedlot	EOT99-07	E9901377	3	Steer 03	Serum	Primary	7440-70-2	Calcium	110	0.07	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	11:47	
Feedlot	EOT99-07	E9901378	4	Steer 04	Serum	Primary	7440-66-6	Zinc	NA	0.08	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	11:50	
Feedlot	EOT99-07	E9901378	4	Steer 04	Serum	Primary	7723-14-0	phosphorus	70.1	2	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	11:50	
Feedlot	EOT99-07	E9901378	4	Steer 04	Serum	Primary	7439-89-6	Iron	1.45	0.22	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	11:50	
Feedlot	EOT99-07	E9901378	4	Steer 04	Serum	Primary	7439-95-4	Magnesium	20.4	0.04	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	11:50	
Feedlot	EOT99-07	E9901378	4	Steer 04	Serum	Primary	7440-50-8	Copper	1.8	0.07	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	11:50	
Feedlot	EOT99-07	E9901378	4	Steer 04	Serum	Primary	7440-70-2	Calcium	98.5	0.07	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	11:50	
Feedlot	EOT99-07	E9901379	5	Steer 05	Serum	Primary	7440-66-6	Zinc	0.791	0.08	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	11:53	
Feedlot	EOT99-07	E9901379	5	Steer 05	Serum	Primary	7723-14-0	phosphorus	99.2	2	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	11:53	
Feedlot	EOT99-07	E9901379	5	Steer 05	Serum	Primary	7439-89-6	Iron	2.12	0.22	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	11:53	
Feedlot	EOT99-07	E9901379	5	Steer 05	Serum	Primary	7439-95-4	Magnesium	20.7	0.04	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	11:53	
Feedlot	EOT99-07	E9901379	5	Steer 05	Serum	Primary	7440-50-8	Copper	1.38	0.07	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	11:53	
Feedlot	EOT99-07	E9901379	5	Steer 05	Serum	Primary	7440-70-2	Calcium	112	0.07	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	11:53	
Feedlot	EOT99-07	E9901380	6	Steer 06	Serum	Primary	7440-66-6	Zinc	0.8	0.08	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	11:56	
Feedlot	EOT99-07	E9901380	6	Steer 06	Serum	Primary	7723-14-0	phosphorus	83.4	2	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	11:56	
Feedlot	EOT99-07	E9901380	6	Steer 06	Serum	Primary	7439-89-6	Iron	1.82	0.22	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	11:56	
Feedlot	EOT99-07	E9901380	6	Steer 06	Serum	Primary	7439-95-4	Magnesium	20.9	0.04	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	11:56	
Feedlot	EOT99-07	E9901380	6	Steer 06	Serum	Primary	7440-50-8	Copper	1.3	0.07	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	11:56	
Feedlot	EOT99-07	E9901380	6	Steer 06	Serum	Primary	7440-70-2	Calcium	102	0.07	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	11:56	
Feedlot	EOT99-07	E9901381	7	Steer 07	Serum	Primary	7440-66-6	Zinc	0.901	0.08	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	11:59	
Feedlot	EOT99-07	E9901381	7	Steer 07	Serum	Primary	7723-14-0	phosphorus	75.7	2	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	11:59	
Feedlot	EOT99-07	E9901381	7	Steer 07	Serum	Primary	7439-89-6	Iron	1.37	0.22	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	11:59	
Feedlot	EOT99-07	E9901381	7	Steer 07	Serum	Primary	7439-95-4	Magnesium	22.8	0.04	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	11:59	
Feedlot	EOT99-07	E9901381	7	Steer 07	Serum	Primary	7440-50-8	Copper	0.996	0.07	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	11:59	
Feedlot	EOT99-07	E9901381	7	Steer 07	Serum	Primary	7440-70-2	Calcium	107	0.07	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	11:59	

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Feedlot	EOT99-07	E9901382	8	Steer 08	Serum	Primary	7440-66-6	Zinc	0.95	0.08	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:02	
Feedlot	EOT99-07	E9901382	8	Steer 08	Serum	Primary	7723-14-0	phosphorus	106	2	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:02	
Feedlot	EOT99-07	E9901382	8	Steer 08	Serum	Primary	7439-89-6	Iron	1.78	0.22	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:02	
Feedlot	EOT99-07	E9901382	8	Steer 08	Serum	Primary	7439-95-4	Magnesium	25.1	0.04	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:02	
Feedlot	EOT99-07	E9901382	8	Steer 08	Serum	Primary	7440-50-8	Copper	0.894	0.07	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:02	
Feedlot	EOT99-07	E9901382	8	Steer 08	Serum	Primary	7440-70-2	Calcium	101	0.07	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:02	
Feedlot	EOT99-07	E9901383	9	Steer 09	Serum	Primary	7440-66-6	Zinc	0.467	0.08	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:05	
Feedlot	EOT99-07	E9901383	9	Steer 09	Serum	Primary	7723-14-0	phosphorus	55.1	2	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:05	
Feedlot	EOT99-07	E9901383	9	Steer 09	Serum	Primary	7439-89-6	Iron	1.21	0.22	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:05	
Feedlot	EOT99-07	E9901383	9	Steer 09	Serum	Primary	7439-95-4	Magnesium	19.5	0.04	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:05	
Feedlot	EOT99-07	E9901383	9	Steer 09	Serum	Primary	7440-50-8	Copper	1	0.07	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:05	
Feedlot	EOT99-07	E9901383	9	Steer 09	Serum	Primary	7440-70-2	Calcium	98.8	0.07	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:05	
Feedlot	EOT99-07	E9901384	10	Steer 10	Serum	Primary	7440-66-6	Zinc	0.855	0.08	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:08	
Feedlot	EOT99-07	E9901384	10	Steer 10	Serum	Primary	7723-14-0	phosphorus	63.3	2	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:08	
Feedlot	EOT99-07	E9901384	10	Steer 10	Serum	Primary	7439-89-6	Iron	1.05	0.22	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:08	
Feedlot	EOT99-07	E9901384	10	Steer 10	Serum	Primary	7439-95-4	Magnesium	20.6	0.04	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:08	
Feedlot	EOT99-07	E9901384	10	Steer 10	Serum	Primary	7440-50-8	Copper	1.14	0.07	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:08	
Feedlot	EOT99-07	E9901384	10	Steer 10	Serum	Primary	7440-70-2	Calcium	100	0.07	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:08	
Feedlot	EOT99-07	E9901385	11	Steer 11	Serum	Primary	7440-66-6	Zinc	0.846	0.08	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:11	
Feedlot	EOT99-07	E9901385	11	Steer 11	Serum	Primary	7723-14-0	phosphorus	91.1	2	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:11	
Feedlot	EOT99-07	E9901385	11	Steer 11	Serum	Primary	7439-89-6	Iron	2.01	0.22	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:11	
Feedlot	EOT99-07	E9901385	11	Steer 11	Serum	Primary	7439-95-4	Magnesium	26.2	0.04	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:11	
Feedlot	EOT99-07	E9901385	11	Steer 11	Serum	Primary	7440-50-8	Copper	0.806	0.07	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:11	
Feedlot	EOT99-07	E9901385	11	Steer 11	Serum	Primary	7440-70-2	Calcium	97.2	0.07	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:11	
Feedlot	EOT99-07	7140-1	Check Standard	NA	Lab QC	CCV	7440-66-6	Zinc	1.17	0.08	EDL	ug/g	Wet Wt	1	1.3	90	NA	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:13	
Feedlot	EOT99-07	7140-1	Check Standard	NA	Lab QC	CCV	7723-14-0	Phosphorus	78.2	2	EDL	ug/g	Wet Wt	1	83.8	93	NA	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:13	
Feedlot	EOT99-07	7140-1	Check Standard	NA	Lab QC	CCV	7439-89-6	Iron	2.03	0.22	EDL	ug/g	Wet Wt	1	1.70	119	NA	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:13	
Feedlot	EOT99-07	7140-1	Check Standard	NA	Lab QC	CCV	7439-95-4	Magnesium	26.7	0.04	EDL	ug/g	Wet Wt	1	24.6	109	NA	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:13	
Feedlot	EOT99-07	7140-1	Check Standard	NA	Lab QC	CCV	7440-50-8	Copper	1.45	0.07	EDL	ug/g	Wet Wt	1	1.33	109	NA	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:13	
Feedlot	EOT99-07	7140-1	Check Standard	NA	Lab QC	CCV	7440-70-2	Calcium	110	0.07	EDL	ug/g	Wet Wt	1	109	101	NA	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:13	
Feedlot	EOT99-07	E9901386	12	Steer 12	Serum	Primary	7440-66-6	Zinc	0.864	0.08	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:16	
Feedlot	EOT99-07	E9901386	12	Steer 12	Serum	Primary	7723-14-0	phosphorus	86.1	2	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:16	
Feedlot	EOT99-07	E9901386	12	Steer 12	Serum	Primary	7439-89-6	Iron	1.55	0.22	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:16	
Feedlot	EOT99-07	E9901386	12	Steer 12	Serum	Primary	7439-95-4	Magnesium	22.3	0.04	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:16	
Feedlot	EOT99-07	E9901386	12	Steer 12	Serum	Primary	7440-50-8	Copper	0.997	0.07	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:16	
Feedlot	EOT99-07	E9901386	12	Steer 12	Serum	Primary	7440-70-2	Calcium	105	0.07	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:16	
Feedlot	EOT99-07	E9901387	13	Steer 13	Serum	Primary	7440-66-6	Zinc	0.852	0.08	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:19	
Feedlot	EOT99-07	E9901387	13	Steer 13	Serum	Primary	7723-14-0	phosphorus	66.4	2	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:19	
Feedlot	EOT99-07	E9901387	13	Steer 13	Serum	Primary	7439-89-6	Iron	1.71	0.22	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:19	
Feedlot	EOT99-07	E9901387	13	Steer 13	Serum	Primary	7439-95-4	Magnesium	20.9	0.04	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:19	
Feedlot	EOT99-07	E9901387	13	Steer 13	Serum	Primary	7440-50-8	Copper	1.03	0.07	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:19	
Feedlot	EOT99-07	E9901387	13	Steer 13	Serum	Primary	7440-70-2	Calcium	100	0.07	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:19	
Feedlot	EOT99-07	E9901388	14	Steer 14	Serum	Primary	7440-66-6	Zinc	0.599	0.08	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:22	
Feedlot	EOT99-07	E9901388	14	Steer 14	Serum	Primary	7723-14-0	phosphorus	59.8	2	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:22	
Feedlot	EOT99-07	E9901388	14	Steer 14	Serum	Primary	7439-89-6	Iron	1.09	0.22	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:22	
Feedlot	EOT99-07	E9901388	14	Steer 14	Serum	Primary	7439-95-4	Magnesium	21.4	0.04	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:22	
Feedlot	EOT99-07	E9901388	14	Steer 14	Serum	Primary	7440-50-8	Copper	0.867	0.07	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:22	
Feedlot	EOT99-07	E9901388	14	Steer 14	Serum	Primary	7440-70-2	Calcium	108	0.07	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:22	
Feedlot	EOT99-07	E9901389	15	Steer 15	Serum	Primary	7440-66-6	Zinc	0.757	0.08	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:25	
Feedlot	EOT99-07	E9901389	15	Steer 15	Serum	Primary	7723-14-0	phosphorus	67.6	2	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:25	
Feedlot	EOT99-07	E9901389	15	Steer 15	Serum	Primary	7439-89-6	Iron	1.61	0.22	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:25	
Feedlot	EOT99-07	E9901389	15	Steer 15	Serum	Primary	7439-95-4	Magnesium	21.8	0.04	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:25	
Feedlot	EOT99-07	E9901389	15	Steer 15	Serum	Primary	7440-50-8	Copper	0.814	0.07	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:25	
Feedlot	EOT99-07	E9901389	15	Steer 15	Serum	Primary	7440-70-2	Calcium	99.3	0.07	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:25	
Feedlot	EOT99-07	E9901390	16	Steer 16	Serum	Primary	7440-66-6	Zinc	0.614	0.08	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:28	
Feedlot	EOT99-07	E9901390	16	Steer 16	Serum	Primary	7723-14-0	phosphorus	89.1	2	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:28	
Feedlot	EOT99-07	E9901390	16	Steer 16	Serum	Primary	7439-89-6	Iron	1.43	0.22	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:28	
Feedlot	EOT99-07	E9901390	16	Steer 16	Serum	Primary	7439-95-4	Magnesium	18.4	0.04	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:28	

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Feedlot	EOT99-07	E9901390	16	Steer 16	Serum	Primary	7440-50-8	Copper	1.5	0.07	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:28	
Feedlot	EOT99-07	E9901390	16	Steer 16	Serum	Primary	7440-70-2	Calcium	102	0.07	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:28	
Feedlot	EOT99-07	E9901391	17	Steer 17	Serum	Primary	7440-66-6	Zinc	0.698	0.08	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:31	
Feedlot	EOT99-07	E9901391	17	Steer 17	Serum	Primary	7723-14-0	phosphorus	87.4	2	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:31	
Feedlot	EOT99-07	E9901391	17	Steer 17	Serum	Primary	7439-89-6	Iron	1.62	0.22	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:31	
Feedlot	EOT99-07	E9901391	17	Steer 17	Serum	Primary	7439-95-4	Magnesium	20.4	0.04	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:31	
Feedlot	EOT99-07	E9901391	17	Steer 17	Serum	Primary	7440-50-8	Copper	1.18	0.07	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:31	
Feedlot	EOT99-07	E9901391	17	Steer 17	Serum	Primary	7440-70-2	Calcium	105	0.07	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:31	
Feedlot	EOT99-07	E9901392	18	Steer 18	Serum	Primary	7440-66-6	Zinc	0.905	0.08	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:34	
Feedlot	EOT99-07	E9901392	18	Steer 18	Serum	Primary	7723-14-0	phosphorus	71.8	2	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:34	
Feedlot	EOT99-07	E9901392	18	Steer 18	Serum	Primary	7439-89-6	Iron	1.4	0.22	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:34	
Feedlot	EOT99-07	E9901392	18	Steer 18	Serum	Primary	7439-95-4	Magnesium	19.6	0.04	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:34	
Feedlot	EOT99-07	E9901392	18	Steer 18	Serum	Primary	7440-50-8	Copper	1.03	0.07	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:34	
Feedlot	EOT99-07	E9901392	18	Steer 18	Serum	Primary	7440-70-2	Calcium	97	0.07	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:34	
Feedlot	EOT99-07	E9901393	19	Steer 19	Serum	Primary	7440-66-6	Zinc	0.739	0.08	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:38	
Feedlot	EOT99-07	E9901393	19	Steer 19	Serum	Primary	7723-14-0	phosphorus	63.5	2	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:38	
Feedlot	EOT99-07	E9901393	19	Steer 19	Serum	Primary	7439-89-6	Iron	1.25	0.22	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:38	
Feedlot	EOT99-07	E9901393	19	Steer 19	Serum	Primary	7439-95-4	Magnesium	20.9	0.04	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:38	
Feedlot	EOT99-07	E9901393	19	Steer 19	Serum	Primary	7440-50-8	Copper	1.47	0.07	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:38	
Feedlot	EOT99-07	E9901393	19	Steer 19	Serum	Primary	7440-70-2	Calcium	103	0.07	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:38	
Feedlot	EOT99-07	E9901394	20	Steer 20	Serum	Primary	7440-66-6	Zinc	0.814	0.08	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:41	
Feedlot	EOT99-07	E9901394	20	Steer 20	Serum	Primary	7723-14-0	phosphorus	71	2	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:41	
Feedlot	EOT99-07	E9901394	20	Steer 20	Serum	Primary	7439-89-6	Iron	2.06	0.22	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:41	
Feedlot	EOT99-07	E9901394	20	Steer 20	Serum	Primary	7439-95-4	Magnesium	20.2	0.04	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:41	
Feedlot	EOT99-07	E9901394	20	Steer 20	Serum	Primary	7440-50-8	Copper	0.861	0.07	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:41	
Feedlot	EOT99-07	E9901394	20	Steer 20	Serum	Primary	7440-70-2	Calcium	101	0.07	EDL	ug/g	Wet Wt	1			10/8/1999	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:41	
Feedlot	EOT99-07	7140-2	Check Standard	NA	Lab QC	CCV	7440-66-6	Zinc	1.18	0.08	EDL	ug/g	Wet Wt	1	1.3	91	NA	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:45	
Feedlot	EOT99-07	7140-2	Check Standard	NA	Lab QC	CCV	7723-14-0	Phosphorus	68.9	2	EDL	ug/g	Wet Wt	1	83.8	82	NA	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:45	
Feedlot	EOT99-07	7140-2	Check Standard	NA	Lab QC	CCV	7439-89-6	Iron	1.87	0.22	EDL	ug/g	Wet Wt	1	1.70	110	NA	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:45	
Feedlot	EOT99-07	7140-2	Check Standard	NA	Lab QC	CCV	7439-95-4	Magnesium	20.6	0.04	EDL	ug/g	Wet Wt	1	24.6	84	NA	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:45	
Feedlot	EOT99-07	7140-2	Check Standard	NA	Lab QC	CCV	7440-50-8	Copper	1.45	0.07	EDL	ug/g	Wet Wt	1	1.33	109	NA	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:45	
Feedlot	EOT99-07	7140-2	Check Standard	NA	Lab QC	CCV	7440-70-2	Calcium	99.9	0.07	EDL	ug/g	Wet Wt	1	109	92	NA	ICP - TES	TESICP_11-05-99	1105TES	11/4/1999	11/5/1999	12:45	
Feedlot	ENV99-02	E9901851SR	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.508	0.005	EDL	ug/g	Wet Wt	1	0.446	114	NA	ICP, Hydride	VGICP_11-11-99	1110SEH	11/9/1999	11/11/1999	10:22	
Feedlot	ENV99-02	E9901851	1	Steer 01	Blood	Primary	7782-49-2	Selenium	1.10	0.005	EDL	ug/g	Wet Wt	1			11/5/1999	ICP, Hydride	VGICP_11-11-99	1110SEH	11/9/1999	11/11/1999	10:25	
Feedlot	ENV99-02	E9901852	2	Steer 02	Blood	Primary	7782-49-2	Selenium	2.2	0.005	EDL	ug/g	Wet Wt	1			11/5/1999	ICP, Hydride	VGICP_11-11-99	1110SEH	11/9/1999	11/11/1999	10:28	
Feedlot	ENV99-02	E9901853	3	Steer 03	Blood	Primary	7782-49-2	Selenium	2.4	0.005	EDL	ug/g	Wet Wt	1			11/5/1999	ICP, Hydride	VGICP_11-11-99	1110SEH	11/9/1999	11/11/1999	10:31	
Feedlot	ENV99-02	E9901854	4	Steer 04	Blood	Primary	7782-49-2	Selenium	1.35	0.005	EDL	ug/g	Wet Wt	1			11/5/1999	ICP, Hydride	VGICP_11-11-99	1110SEH	11/9/1999	11/11/1999	10:34	
Feedlot	ENV99-02	E9901855	5	Steer 05	Blood	Primary	7782-49-2	Selenium	1.00	0.005	EDL	ug/g	Wet Wt	1			11/5/1999	ICP, Hydride	VGICP_11-11-99	1110SEH	11/9/1999	11/11/1999	10:37	
Feedlot	ENV99-02	E9901856	6	Steer 06	Blood	Primary	7782-49-2	Selenium	2.05	0.005	EDL	ug/g	Wet Wt	1			11/5/1999	ICP, Hydride	VGICP_11-11-99	1110SEH	11/9/1999	11/11/1999	10:40	
Feedlot	ENV99-02	E9901857	7	Steer 07	Blood	Primary	7782-49-2	Selenium	1.19	0.005	EDL	ug/g	Wet Wt	1			11/5/1999	ICP, Hydride	VGICP_11-11-99	1110SEH	11/9/1999	11/11/1999	10:43	
Feedlot	ENV99-02	E9901858	8	Steer 08	Blood	Primary	7782-49-2	Selenium	1.10	0.005	EDL	ug/g	Wet Wt	1			11/5/1999	ICP, Hydride	VGICP_11-11-99	1110SEH	11/9/1999	11/11/1999	10:46	
Feedlot	ENV99-02	E9901859	9	Steer 09	Blood	Primary	7782-49-2	Selenium	1.92	0.005	EDL	ug/g	Wet Wt	1			11/5/1999	ICP, Hydride	VGICP_11-11-99	1110SEH	11/9/1999	11/11/1999	10:48	
Feedlot	ENV99-02	E9901860	10	Steer 10	Blood	Primary	7782-49-2	Selenium	0.869	0.005	EDL	ug/g	Wet Wt	1			11/5/1999	ICP, Hydride	VGICP_11-11-99	1110SEH	11/9/1999	11/11/1999	10:51	
Feedlot	ENV99-02	E9901860SR	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.556	0.005	EDL	ug/g	Wet Wt	1	0.446	125	NA	ICP, Hydride	VGICP_11-11-99	1110SEH	11/9/1999	11/11/1999	10:54	
Feedlot	ENV99-02	E9901861	11	Steer 11	Blood	Primary	7782-49-2	Selenium	0.973	0.005	EDL	ug/g	Wet Wt	1			11/5/1999	ICP, Hydride	VGICP_11-11-99	1110SEH	11/9/1999	11/11/1999	10:57	
Feedlot	ENV99-02	E9901862	12	Steer 12	Blood	Primary	7782-49-2	Selenium	0.818	0.005	EDL	ug/g	Wet Wt	1			11/5/1999	ICP, Hydride	VGICP_11-11-99	1110SEH	11/9/1999	11/11/1999	11:00	
Feedlot	ENV99-02	E9901863	13	Steer 13	Blood	Primary	7782-49-2	Selenium	1.02	0.005	EDL	ug/g	Wet Wt	1			11/5/1999	ICP, Hydride	VGICP_11-11-99	1110SEH	11/9/1999	11/11/1999	11:03	
Feedlot	ENV99-02	E9901864	14	Steer 14	Blood	Primary	7782-49-2	Selenium	0.723	0.005	EDL	ug/g	Wet Wt	1			11/5/1999	ICP, Hydride	VGICP_11-11-99	1110SEH	11/9/1999	11/11/1999	11:05	
Feedlot	ENV99-02	E9901865	15	Steer 15	Blood	Primary	7782-49-2	Selenium	1.02	0.005	EDL	ug/g	Wet Wt	1			11/5/1999	ICP, Hydride	VGICP_11-11-99	1110SEH	11/9/1999	11/11/1999	11:08	
Feedlot	ENV99-02	E9901866	16	Steer 16	Blood	Primary	7782-49-2	Selenium	0.17	0.005	EDL	ug/g	Wet Wt	1			11/5/1999	ICP, Hydride	VGICP_11-11-99	1110SEH	11/9/1999	11/11/1999	11:11	
Feedlot	ENV99-02	E9901867	17	Steer 17	Blood	Primary	7782-49-2	Selenium	0.158	0.005	EDL	ug/g	Wet Wt	1			11/5/1999	ICP, Hydride	VGICP_11-11-99	1110SEH	11/9/1999	11/11/1999	11:14	
Feedlot	ENV99-02	E9901868	18	Steer 18	Blood	Primary	7782-49-2	Selenium	0.241	0.005	EDL	ug/g	Wet Wt	1			11/5/1999	ICP, Hydride	VGICP_11-11-99	1110SEH	11/9/1999	11/11/1999	11:17	
Feedlot	ENV99-02	E9901869	19	Steer 19	Blood	Primary	7782-49-2	Selenium	0.201	0.005	EDL	ug/g	Wet Wt	1			11/5/1999	ICP, Hydride	VGICP_11-11-99	1110SEH	11/9/1999	11/11/1999	11:20	
Feedlot	ENV99-02	E9901870	20	Steer 20	Blood	Primary	7782-49-2	Selenium	0.135	0.005	EDL	ug/g	Wet Wt	1			11/5/1999	ICP, Hydride	VGICP_11-11-99	1110SEH	11/9/1999	11/11/1999	11:23	
Feedlot	ENV99-02	E9901870SR	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.527	0.005	EDL	ug/g	Wet Wt	1	0.446	118	NA	ICP, Hydride	VGICP_11-11-99	1110SEH	11/9/1999	11/11/1999	11:26	
Feedlot	ENV99-02	E9901871SR	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.453	0.005	EDL	ug/g	Wet Wt	1	0.446	102	NA	ICP, Hydride	VGICP_11-12-99	1112SEH	11/9/1999	11/12/1999	10:48	
Feedlot	ENV99-02	E9901871	1	Steer 01	Serum	Primary	7782-49-2	Selenium	0.113	0.005	EDL	ug/g	Wet Wt	1			11/5/1999	ICP, Hydride	VGICP_11-12-99	1112SEH	11/9/1999	11/12/1999	10:51	
Feedlot	ENV99-02	E9901872	2	Steer 02	Serum	Primary	7782-49-2	Selenium	0.211	0.005	EDL	ug/g	Wet Wt	1			11/5/1999	ICP, Hydride	VGICP_11-12-99	1112SEH	11/9/1999	11/12/1999	10:54	

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Feedlot	ENV99-02	E9901873	3	Steer 03	Serum	Primary	7782-49-2	Selenium	0.179	0.005	EDL	ug/g	Wet Wt	1			11/5/1999	ICP, Hydride	VGICP_11-12-99	1112SEH	11/9/1999	11/12/1999	10:57	
Feedlot	ENV99-02	E9901874	4	Steer 04	Serum	Primary	7782-49-2	Selenium	0.163	0.005	EDL	ug/g	Wet Wt	1			11/5/1999	ICP, Hydride	VGICP_11-12-99	1112SEH	11/9/1999	11/12/1999	11:00	
Feedlot	ENV99-02	E9901875	5	Steer 05	Serum	Primary	7782-49-2	Selenium	0.119	0.005	EDL	ug/g	Wet Wt	1			11/5/1999	ICP, Hydride	VGICP_11-12-99	1112SEH	11/9/1999	11/12/1999	11:03	
Feedlot	ENV99-02	E9901876	6	Steer 06	Serum	Primary	7782-49-2	Selenium	0.201	0.005	EDL	ug/g	Wet Wt	1			11/5/1999	ICP, Hydride	VGICP_11-12-99	1112SEH	11/9/1999	11/12/1999	11:06	
Feedlot	ENV99-02	E9901877	7	Steer 07	Serum	Primary	7782-49-2	Selenium	0.230	0.005	EDL	ug/g	Wet Wt	1			11/5/1999	ICP, Hydride	VGICP_11-12-99	1112SEH	11/9/1999	11/12/1999	11:09	
Feedlot	ENV99-02	E9901878	8	Steer 08	Serum	Primary	7782-49-2	Selenium	0.127	0.005	EDL	ug/g	Wet Wt	1			11/5/1999	ICP, Hydride	VGICP_11-12-99	1112SEH	11/9/1999	11/12/1999	11:12	
Feedlot	ENV99-02	E9901879	9	Steer 09	Serum	Primary	7782-49-2	Selenium	0.210	0.005	EDL	ug/g	Wet Wt	1			11/5/1999	ICP, Hydride	VGICP_11-12-99	1112SEH	11/9/1999	11/12/1999	11:14	
Feedlot	ENV99-02	E9901880	10	Steer 10	Serum	Primary	7782-49-2	Selenium	0.165	0.005	EDL	ug/g	Wet Wt	1			11/5/1999	ICP, Hydride	VGICP_11-12-99	1112SEH	11/9/1999	11/12/1999	11:17	
Feedlot	ENV99-02	E9901881	11	Steer 11	Serum	Primary	7782-49-2	Selenium	0.155	0.005	EDL	ug/g	Wet Wt	1			11/5/1999	ICP, Hydride	VGICP_11-12-99	1112SEH	11/9/1999	11/12/1999	11:21	
Feedlot	ENV99-02	E9901882	12	Steer 12	Serum	Primary	7782-49-2	Selenium	0.125	0.005	EDL	ug/g	Wet Wt	1			11/5/1999	ICP, Hydride	VGICP_11-12-99	1112SEH	11/9/1999	11/12/1999	11:23	
Feedlot	ENV99-02	E9901883	13	Steer 13	Serum	Primary	7782-49-2	Selenium	0.175	0.005	EDL	ug/g	Wet Wt	1			11/5/1999	ICP, Hydride	VGICP_11-12-99	1112SEH	11/9/1999	11/12/1999	11:26	
Feedlot	ENV99-02	E9901884	14	Steer 14	Serum	Primary	7782-49-2	Selenium	0.205	0.005	EDL	ug/g	Wet Wt	1			11/5/1999	ICP, Hydride	VGICP_11-12-99	1112SEH	11/9/1999	11/12/1999	11:29	
Feedlot	ENV99-02	E9901885	15	Steer 15	Serum	Primary	7782-49-2	Selenium	0.192	0.005	EDL	ug/g	Wet Wt	1			11/5/1999	ICP, Hydride	VGICP_11-12-99	1112SEH	11/9/1999	11/12/1999	11:32	
Feedlot	ENV99-02	E9901886	16	Steer 16	Serum	Primary	7782-49-2	Selenium	0.058	0.005	EDL	ug/g	Wet Wt	1			11/5/1999	ICP, Hydride	VGICP_11-12-99	1112SEH	11/9/1999	11/12/1999	11:35	
Feedlot	ENV99-02	E9901887	17	Steer 17	Serum	Primary	7782-49-2	Selenium	NA	0.005	EDL	ug/g	Wet Wt	1			11/5/1999	ICP, Hydride	VGICP_11-12-99	1112SEH	11/9/1999	11/12/1999	11:38	
Feedlot	ENV99-02	E9901888	18	Steer 18	Serum	Primary	7782-49-2	Selenium	0.0508	0.005	EDL	ug/g	Wet Wt	1			11/5/1999	ICP, Hydride	VGICP_11-12-99	1112SEH	11/9/1999	11/12/1999	11:41	
Feedlot	ENV99-02	E9901889	19	Steer 19	Serum	Primary	7782-49-2	Selenium	0.0586	0.005	EDL	ug/g	Wet Wt	1			11/5/1999	ICP, Hydride	VGICP_11-12-99	1112SEH	11/9/1999	11/12/1999	11:44	
Feedlot	ENV99-02	E9901890	20	Steer 20	Serum	Primary	7782-49-2	Selenium	0.0473	0.005	EDL	ug/g	Wet Wt	1			11/5/1999	ICP, Hydride	VGICP_11-12-99	1112SEH	11/9/1999	11/12/1999	11:46	
Feedlot	ENV99-02	E9901890SR	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.426	0.005	EDL	ug/g	Wet Wt	1	0.446	96	NA	ICP, Hydride	VGICP_11-12-99	1112SEH	11/9/1999	11/12/1999	11:49	
Feedlot	ENV99-02	E9901890CS	Check Standard	NA	Lab QC	CCV	7782-49-2	Selenium	0.292	0.005	EDL	ug/g	Wet Wt	1	0.3	97	NA	ICP, Hydride	VGICP_11-12-99	1112SEH	11/9/1999	11/12/1999	11:53	
Feedlot	ENV99-02	7140	Check Standard	NA	Lab QC	CCV	7440-66-6	Zinc	1.35	0.08	EDL	ug/g	Wet Wt	1	1.3	104	NA	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	14:24	
Feedlot	ENV99-02	7140	Check Standard	NA	Lab QC	CCV	7723-14-0	Phosphorus	72.2	2	EDL	ug/g	Wet Wt	1	83.8	86	NA	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	14:24	
Feedlot	ENV99-02	7140	Check Standard	NA	Lab QC	CCV	7439-89-6	Iron	2.08	0.22	EDL	ug/g	Wet Wt	1	1.70	122	NA	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	14:24	
Feedlot	ENV99-02	7140	Check Standard	NA	Lab QC	CCV	7439-95-4	Magnesium	23	0.04	EDL	ug/g	Wet Wt	1	24.6	93	NA	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	14:24	
Feedlot	ENV99-02	7140	Check Standard	NA	Lab QC	CCV	7440-50-8	Copper	1.48	0.07	EDL	ug/g	Wet Wt	1	1.33	111	NA	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	14:24	
Feedlot	ENV99-02	7140	Check Standard	NA	Lab QC	CCV	7440-70-2	Calcium	104	0.07	EDL	ug/g	Wet Wt	1	109	95	NA	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	14:24	
Feedlot	ENV99-02	E9901871	1	Steer 01	Serum	Primary	7440-66-6	Zinc	0.939	0.08	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	14:28	
Feedlot	ENV99-02	E9901871	1	Steer 01	Serum	Primary	7723-14-0	phosphorus	82.1	2	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	14:28	
Feedlot	ENV99-02	E9901871	1	Steer 01	Serum	Primary	7439-89-6	Iron	2.58	0.22	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	14:28	
Feedlot	ENV99-02	E9901871	1	Steer 01	Serum	Primary	7439-95-4	Magnesium	26.2	0.04	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	14:28	
Feedlot	ENV99-02	E9901871	1	Steer 01	Serum	Primary	7440-50-8	Copper	0.992	0.07	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	14:28	
Feedlot	ENV99-02	E9901871	1	Steer 01	Serum	Primary	7440-70-2	Calcium	107	0.07	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	14:28	
Feedlot	ENV99-02	E9901872	2	Steer 02	Serum	Primary	7440-66-6	Zinc	0.878	0.08	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	14:31	
Feedlot	ENV99-02	E9901872	2	Steer 02	Serum	Primary	7723-14-0	phosphorus	83.6	2	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	14:31	
Feedlot	ENV99-02	E9901872	2	Steer 02	Serum	Primary	7439-89-6	Iron	1.87	0.22	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	14:31	
Feedlot	ENV99-02	E9901872	2	Steer 02	Serum	Primary	7439-95-4	Magnesium	23.6	0.04	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	14:31	
Feedlot	ENV99-02	E9901872	2	Steer 02	Serum	Primary	7440-50-8	Copper	0.875	0.07	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	14:31	
Feedlot	ENV99-02	E9901872	2	Steer 02	Serum	Primary	7440-70-2	Calcium	111	0.07	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	14:31	
Feedlot	ENV99-02	E9901873	3	Steer 03	Serum	Primary	7440-66-6	Zinc	1.02	0.08	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	14:34	
Feedlot	ENV99-02	E9901873	3	Steer 03	Serum	Primary	7723-14-0	phosphorus	57.4	2	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	14:34	
Feedlot	ENV99-02	E9901873	3	Steer 03	Serum	Primary	7439-89-6	Iron	1.86	0.22	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	14:34	
Feedlot	ENV99-02	E9901873	3	Steer 03	Serum	Primary	7439-95-4	Magnesium	26.4	0.04	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	14:34	
Feedlot	ENV99-02	E9901873	3	Steer 03	Serum	Primary	7440-50-8	Copper	1.28	0.07	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	14:34	
Feedlot	ENV99-02	E9901873	3	Steer 03	Serum	Primary	7440-70-2	Calcium	120	0.07	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	14:34	
Feedlot	ENV99-02	E9901874	4	Steer 04	Serum	Primary	7440-66-6	Zinc	1.11	0.08	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	14:37	
Feedlot	ENV99-02	E9901874	4	Steer 04	Serum	Primary	7723-14-0	phosphorus	77.5	2	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	14:37	
Feedlot	ENV99-02	E9901874	4	Steer 04	Serum	Primary	7439-89-6	Iron	2.06	0.22	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	14:37	
Feedlot	ENV99-02	E9901874	4	Steer 04	Serum	Primary	7439-95-4	Magnesium	27.7	0.04	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	14:37	
Feedlot	ENV99-02	E9901874	4	Steer 04	Serum	Primary	7440-50-8	Copper	1.53	0.07	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	14:37	
Feedlot	ENV99-02	E9901874	4	Steer 04	Serum	Primary	7440-70-2	Calcium	110	0.07	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	14:37	
Feedlot	ENV99-02	E9901875	5	Steer 05	Serum	Primary	7440-66-6	Zinc	0.768	0.08	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	14:41	
Feedlot	ENV99-02	E9901875	5	Steer 05	Serum	Primary	7723-14-0	phosphorus	72.6	2	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	14:41	
Feedlot	ENV99-02	E9901875	5	Steer 05	Serum	Primary	7439-89-6	Iron	2.04	0.22	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	14:41	
Feedlot	ENV99-02	E9901875	5	Steer 05	Serum	Primary	7439-95-4	Magnesium	24.2	0.04	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	14:41	
Feedlot	ENV99-02	E9901875	5	Steer 05	Serum	Primary	7440-50-8	Copper	1.33	0.07	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	14:41	
Feedlot	ENV99-02	E9901875	5	Steer 05	Serum	Primary	7440-70-2	Calcium	100	0.07	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	14:41	
Feedlot	ENV99-02	E9901876	6	Steer 06	Serum	Primary	7440-66-6	Zinc	0.951	0.08	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	14:44	
Feedlot	ENV99-02	E9901876	6	Steer 06	Serum	Primary	7723-14-0	phosphorus	72.4	2	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	14:44	

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Feedlot	ENV99-02	E9901876	6	Steer 06	Serum	Primary	7439-89-6	Iron	1.69	0.22	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	14:44	
Feedlot	ENV99-02	E9901876	6	Steer 06	Serum	Primary	7439-95-4	Magnesium	20.3	0.04	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	14:44	
Feedlot	ENV99-02	E9901876	6	Steer 06	Serum	Primary	7440-50-8	Copper	1.29	0.07	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	14:44	
Feedlot	ENV99-02	E9901876	6	Steer 06	Serum	Primary	7440-70-2	Calcium	108	0.07	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	14:44	
Feedlot	ENV99-02	E9901877	7	Steer 07	Serum	Primary	7440-66-6	Zinc	1.25	0.08	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	14:47	
Feedlot	ENV99-02	E9901877	7	Steer 07	Serum	Primary	7723-14-0	phosphorus	79.4	2	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	14:47	
Feedlot	ENV99-02	E9901877	7	Steer 07	Serum	Primary	7439-89-6	Iron	1.64	0.22	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	14:47	
Feedlot	ENV99-02	E9901877	7	Steer 07	Serum	Primary	7439-95-4	Magnesium	24.1	0.04	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	14:47	
Feedlot	ENV99-02	E9901877	7	Steer 07	Serum	Primary	7440-50-8	Copper	0.878	0.07	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	14:47	
Feedlot	ENV99-02	E9901877	7	Steer 07	Serum	Primary	7440-70-2	Calcium	120	0.07	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	14:47	
Feedlot	ENV99-02	E9901878	8	Steer 08	Serum	Primary	7440-66-6	Zinc	1.2	0.08	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	14:50	
Feedlot	ENV99-02	E9901878	8	Steer 08	Serum	Primary	7723-14-0	phosphorus	79.2	2	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	14:50	
Feedlot	ENV99-02	E9901878	8	Steer 08	Serum	Primary	7439-89-6	Iron	2.25	0.22	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	14:50	
Feedlot	ENV99-02	E9901878	8	Steer 08	Serum	Primary	7439-95-4	Magnesium	26.1	0.04	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	14:50	
Feedlot	ENV99-02	E9901878	8	Steer 08	Serum	Primary	7440-50-8	Copper	1.09	0.07	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	14:50	
Feedlot	ENV99-02	E9901878	8	Steer 08	Serum	Primary	7440-70-2	Calcium	112	0.07	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	14:50	
Feedlot	ENV99-02	E9901879	9	Steer 09	Serum	Primary	7440-66-6	Zinc	1.01	0.08	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	14:53	
Feedlot	ENV99-02	E9901879	9	Steer 09	Serum	Primary	7723-14-0	phosphorus	72	2	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	14:53	
Feedlot	ENV99-02	E9901879	9	Steer 09	Serum	Primary	7439-89-6	Iron	2.26	0.22	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	14:53	
Feedlot	ENV99-02	E9901879	9	Steer 09	Serum	Primary	7439-95-4	Magnesium	25	0.04	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	14:53	
Feedlot	ENV99-02	E9901879	9	Steer 09	Serum	Primary	7440-50-8	Copper	1.02	0.07	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	14:53	
Feedlot	ENV99-02	E9901879	9	Steer 09	Serum	Primary	7440-70-2	Calcium	105	0.07	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	14:53	
Feedlot	ENV99-02	E9901880	10	Steer 10	Serum	Primary	7440-66-6	Zinc	0.964	0.08	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	14:56	
Feedlot	ENV99-02	E9901880	10	Steer 10	Serum	Primary	7723-14-0	phosphorus	61.2	2	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	14:56	
Feedlot	ENV99-02	E9901880	10	Steer 10	Serum	Primary	7439-89-6	Iron	2.55	0.22	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	14:56	
Feedlot	ENV99-02	E9901880	10	Steer 10	Serum	Primary	7439-95-4	Magnesium	19.2	0.04	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	14:56	
Feedlot	ENV99-02	E9901880	10	Steer 10	Serum	Primary	7440-50-8	Copper	1.26	0.07	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	14:56	
Feedlot	ENV99-02	E9901880	10	Steer 10	Serum	Primary	7440-70-2	Calcium	103	0.07	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	14:56	
Feedlot	ENV99-02	7140-1	Check Standard	NA	Lab QC	CCV	7440-66-6	Zinc	1.42	0.08	EDL	ug/g	Wet Wt	1	1.3	109	NA	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	14:58	
Feedlot	ENV99-02	7140-1	Check Standard	NA	Lab QC	CCV	7723-14-0	Phosphorus	77.9	2	EDL	ug/g	Wet Wt	1	83.8	93	NA	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	14:58	
Feedlot	ENV99-02	7140-1	Check Standard	NA	Lab QC	CCV	7439-89-6	Iron	2.06	0.22	EDL	ug/g	Wet Wt	1	1.70	121	NA	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	14:58	
Feedlot	ENV99-02	7140-1	Check Standard	NA	Lab QC	CCV	7439-95-4	Magnesium	23.1	0.04	EDL	ug/g	Wet Wt	1	24.6	94	NA	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	14:58	
Feedlot	ENV99-02	7140-1	Check Standard	NA	Lab QC	CCV	7440-50-8	Copper	1.64	0.07	EDL	ug/g	Wet Wt	1	1.33	123	NA	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	14:58	
Feedlot	ENV99-02	7140-1	Check Standard	NA	Lab QC	CCV	7440-70-2	Calcium	7.95	0.07	EDL	ug/g	Wet Wt	1	109	7	NA	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	14:58	
Feedlot	ENV99-02	E9901881	11	Steer 11	Serum	Primary	7440-66-6	Zinc	0.716	0.08	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	15:01	
Feedlot	ENV99-02	E9901881	11	Steer 11	Serum	Primary	7723-14-0	phosphorus	79.9	2	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	15:01	
Feedlot	ENV99-02	E9901881	11	Steer 11	Serum	Primary	7439-89-6	Iron	5.47	0.22	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	15:01	
Feedlot	ENV99-02	E9901881	11	Steer 11	Serum	Primary	7439-95-4	Magnesium	26.4	0.04	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	15:01	
Feedlot	ENV99-02	E9901881	11	Steer 11	Serum	Primary	7440-50-8	Copper	1.11	0.07	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	15:01	
Feedlot	ENV99-02	E9901881	11	Steer 11	Serum	Primary	7440-70-2	Calcium	104	0.07	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	15:01	
Feedlot	ENV99-02	E9901882	12	Steer 12	Serum	Primary	7440-66-6	Zinc	1	0.08	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	15:04	
Feedlot	ENV99-02	E9901882	12	Steer 12	Serum	Primary	7723-14-0	phosphorus	89.6	2	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	15:04	
Feedlot	ENV99-02	E9901882	12	Steer 12	Serum	Primary	7439-89-6	Iron	2.82	0.22	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	15:04	
Feedlot	ENV99-02	E9901882	12	Steer 12	Serum	Primary	7439-95-4	Magnesium	23.7	0.04	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	15:04	
Feedlot	ENV99-02	E9901882	12	Steer 12	Serum	Primary	7440-50-8	Copper	1.29	0.07	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	15:04	
Feedlot	ENV99-02	E9901882	12	Steer 12	Serum	Primary	7440-70-2	Calcium	106	0.07	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	15:04	
Feedlot	ENV99-02	E9901883	13	Steer 13	Serum	Primary	7440-66-6	Zinc	1.1	0.08	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	15:07	
Feedlot	ENV99-02	E9901883	13	Steer 13	Serum	Primary	7723-14-0	phosphorus	64.2	2	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	15:07	
Feedlot	ENV99-02	E9901883	13	Steer 13	Serum	Primary	7439-89-6	Iron	2.18	0.22	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	15:07	
Feedlot	ENV99-02	E9901883	13	Steer 13	Serum	Primary	7439-95-4	Magnesium	21.1	0.04	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	15:07	
Feedlot	ENV99-02	E9901883	13	Steer 13	Serum	Primary	7440-50-8	Copper	1.26	0.07	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	15:07	
Feedlot	ENV99-02	E9901883	13	Steer 13	Serum	Primary	7440-70-2	Calcium	116	0.07	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	15:07	
Feedlot	ENV99-02	E9901884	14	Steer 14	Serum	Primary	7440-66-6	Zinc	0.686	0.08	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	15:10	
Feedlot	ENV99-02	E9901884	14	Steer 14	Serum	Primary	7723-14-0	phosphorus	57.3	2	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	15:10	
Feedlot	ENV99-02	E9901884	14	Steer 14	Serum	Primary	7439-89-6	Iron	1.48	0.22	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	15:10	
Feedlot	ENV99-02	E9901884	14	Steer 14	Serum	Primary	7439-95-4	Magnesium	22.5	0.04	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	15:10	
Feedlot	ENV99-02	E9901884	14	Steer 14	Serum	Primary	7440-50-8	Copper	1.37	0.07	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	15:10	
Feedlot	ENV99-02	E9901884	14	Steer 14	Serum	Primary	7440-70-2	Calcium	113	0.07	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	15:10	

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Feedlot	ENV99-02	E9901885	15	Steer 15	Serum	Primary	7440-66-6	Zinc	1.03	0.08	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	15:13	
Feedlot	ENV99-02	E9901885	15	Steer 15	Serum	Primary	7723-14-0	phosphorus	78	2	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	15:13	
Feedlot	ENV99-02	E9901885	15	Steer 15	Serum	Primary	7439-89-6	Iron	2.01	0.22	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	15:13	
Feedlot	ENV99-02	E9901885	15	Steer 15	Serum	Primary	7439-95-4	Magnesium	24.3	0.04	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	15:13	
Feedlot	ENV99-02	E9901885	15	Steer 15	Serum	Primary	7440-50-8	Copper	1.07	0.07	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	15:13	
Feedlot	ENV99-02	E9901885	15	Steer 15	Serum	Primary	7440-70-2	Calcium	106	0.07	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	15:13	
Feedlot	ENV99-02	E9901886	16	Steer 16	Serum	Primary	7440-66-6	Zinc	1.11	0.08	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	15:16	
Feedlot	ENV99-02	E9901886	16	Steer 16	Serum	Primary	7723-14-0	phosphorus	75.1	2	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	15:16	
Feedlot	ENV99-02	E9901886	16	Steer 16	Serum	Primary	7439-89-6	Iron	1.87	0.22	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	15:16	
Feedlot	ENV99-02	E9901886	16	Steer 16	Serum	Primary	7439-95-4	Magnesium	23.9	0.04	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	15:16	
Feedlot	ENV99-02	E9901886	16	Steer 16	Serum	Primary	7440-50-8	Copper	1.43	0.07	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	15:16	
Feedlot	ENV99-02	E9901886	16	Steer 16	Serum	Primary	7440-70-2	Calcium	105	0.07	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	15:16	
Feedlot	ENV99-02	E9901887	17	Steer 17	Serum	Primary	7440-66-6	Zinc	0.922	0.08	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	15:20	
Feedlot	ENV99-02	E9901887	17	Steer 17	Serum	Primary	7723-14-0	phosphorus	89.2	2	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	15:20	
Feedlot	ENV99-02	E9901887	17	Steer 17	Serum	Primary	7439-89-6	Iron	2.19	0.22	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	15:20	
Feedlot	ENV99-02	E9901887	17	Steer 17	Serum	Primary	7439-95-4	Magnesium	25.2	0.04	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	15:20	
Feedlot	ENV99-02	E9901887	17	Steer 17	Serum	Primary	7440-50-8	Copper	1.3	0.07	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	15:20	
Feedlot	ENV99-02	E9901887	17	Steer 17	Serum	Primary	7440-70-2	Calcium	119	0.07	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	15:20	
Feedlot	ENV99-02	E9901888	18	Steer 18	Serum	Primary	7440-66-6	Zinc	0.868	0.08	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	15:23	
Feedlot	ENV99-02	E9901888	18	Steer 18	Serum	Primary	7723-14-0	phosphorus	71.3	2	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	15:23	
Feedlot	ENV99-02	E9901888	18	Steer 18	Serum	Primary	7439-89-6	Iron	1.81	0.22	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	15:23	
Feedlot	ENV99-02	E9901888	18	Steer 18	Serum	Primary	7439-95-4	Magnesium	25.5	0.04	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	15:23	
Feedlot	ENV99-02	E9901888	18	Steer 18	Serum	Primary	7440-50-8	Copper	1.33	0.07	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	15:23	
Feedlot	ENV99-02	E9901888	18	Steer 18	Serum	Primary	7440-70-2	Calcium	107	0.07	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	15:23	
Feedlot	ENV99-02	E9901889	19	Steer 19	Serum	Primary	7440-66-6	Zinc	0.754	0.08	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	15:26	
Feedlot	ENV99-02	E9901889	19	Steer 19	Serum	Primary	7723-14-0	phosphorus	52.5	2	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	15:26	
Feedlot	ENV99-02	E9901889	19	Steer 19	Serum	Primary	7439-89-6	Iron	1.45	0.22	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	15:26	
Feedlot	ENV99-02	E9901889	19	Steer 19	Serum	Primary	7439-95-4	Magnesium	23.9	0.04	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	15:26	
Feedlot	ENV99-02	E9901889	19	Steer 19	Serum	Primary	7440-50-8	Copper	1.51	0.07	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	15:26	
Feedlot	ENV99-02	E9901889	19	Steer 19	Serum	Primary	7440-70-2	Calcium	115	0.07	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	15:26	
Feedlot	ENV99-02	E9901890	20	Steer 20	Serum	Primary	7440-66-6	Zinc	0.992	0.08	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	15:29	
Feedlot	ENV99-02	E9901890	20	Steer 20	Serum	Primary	7723-14-0	phosphorus	72.2	2	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	15:29	
Feedlot	ENV99-02	E9901890	20	Steer 20	Serum	Primary	7439-89-6	Iron	2.21	0.22	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	15:29	
Feedlot	ENV99-02	E9901890	20	Steer 20	Serum	Primary	7439-95-4	Magnesium	27.2	0.04	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	15:29	
Feedlot	ENV99-02	E9901890	20	Steer 20	Serum	Primary	7440-50-8	Copper	1.05	0.07	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	15:29	
Feedlot	ENV99-02	E9901890	20	Steer 20	Serum	Primary	7440-70-2	Calcium	112	0.07	EDL	ug/g	Wet Wt	1			11/5/1999	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	15:29	
Feedlot	ENV99-02	7140-2	Check Standard	NA	Lab QC	CCV	7440-66-6	Zinc	1.52	0.08	EDL	ug/g	Wet Wt	1	1.3	117	NA	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	15:32	
Feedlot	ENV99-02	7140-2	Check Standard	NA	Lab QC	CCV	7723-14-0	Phosphorus	75.6	2	EDL	ug/g	Wet Wt	1	83.8	90	NA	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	15:32	
Feedlot	ENV99-02	7140-2	Check Standard	NA	Lab QC	CCV	7439-89-6	Iron	2.3	0.22	EDL	ug/g	Wet Wt	1	1.70	135	NA	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	15:32	
Feedlot	ENV99-02	7140-2	Check Standard	NA	Lab QC	CCV	7439-95-4	Magnesium	25.7	0.04	EDL	ug/g	Wet Wt	1	24.6	104	NA	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	15:32	
Feedlot	ENV99-02	7140-2	Check Standard	NA	Lab QC	CCV	7440-50-8	Copper	1.56	0.07	EDL	ug/g	Wet Wt	1	1.33	117	NA	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	15:32	
Feedlot	ENV99-02	7140-2	Check Standard	NA	Lab QC	CCV	7440-70-2	Calcium	116	0.07	EDL	ug/g	Wet Wt	1	109	106	NA	ICP - TES	TESICP_11-10-99	1110TES2	11/9/1999	11/10/1999	15:32	
Feedlot	ENV99-06	HRL	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.432	0.005	EDL	ug/g	Wet Wt	1	0.446	97	NA	ICP, Hydride	VGICP_12-20-99B	1220SEH2	12/17/1999	12/20/1999	14:46	
Feedlot	ENV99-06	E9902077	1	Steer 01	Muscle	Primary	7782-49-2	Selenium	0.21	0.33	EDL	ug/g	Wet Wt	1			11/22/99	ICP, Hydride	VGICP_12-20-99B	1220SEH2	12/17/1999	12/20/1999	14:49	
Feedlot	ENV99-06	E9902078	2	Steer 02	Muscle	Primary	7782-49-2	Selenium	0.42	0.33	EDL	ug/g	Wet Wt	1			11/22/99	ICP, Hydride	VGICP_12-20-99B	1220SEH2	12/17/1999	12/20/1999	14:52	
Feedlot	ENV99-06	E9902079	3	Steer 03	Muscle	Primary	7782-49-2	Selenium	1.6	0.33	EDL	ug/g	Wet Wt	1			11/22/99	ICP, Hydride	VGICP_12-20-99B	1220SEH2	12/17/1999	12/20/1999	14:55	
Feedlot	ENV99-06	E9902080	4	Steer 04	Muscle	Primary	7782-49-2	Selenium	0.16	0.33	EDL	ug/g	Wet Wt	1			11/22/99	ICP, Hydride	VGICP_12-20-99B	1220SEH2	12/17/1999	12/20/1999	14:58	
Feedlot	ENV99-06	E9902081	5	Steer 05	Muscle	Primary	7782-49-2	Selenium	-0.1	0.33	EDL	ug/g	Wet Wt	1			11/22/99	ICP, Hydride	VGICP_12-20-99B	1220SEH2	12/17/1999	12/20/1999	15:01	
Feedlot	ENV99-06	E9902082	6	Steer 06	Muscle	Primary	7782-49-2	Selenium	0.6	0.33	EDL	ug/g	Wet Wt	1			11/22/99	ICP, Hydride	VGICP_12-20-99B	1220SEH2	12/17/1999	12/20/1999	15:04	
Feedlot	ENV99-06	E9902083	7	Steer 07	Muscle	Primary	7782-49-2	Selenium	0.58	0.33	EDL	ug/g	Wet Wt	1			11/22/99	ICP, Hydride	VGICP_12-20-99B	1220SEH2	12/17/1999	12/20/1999	15:07	
Feedlot	ENV99-06	E9902084	8	Steer 08	Muscle	Primary	7782-49-2	Selenium	0.020	0.33	EDL	ug/g	Wet Wt	1			11/22/99	ICP, Hydride	VGICP_12-20-99B	1220SEH2	12/17/1999	12/20/1999	15:10	
Feedlot	ENV99-06	E9902085	9	Steer 09	Muscle	Primary	7782-49-2	Selenium	-0.0812	0.33	EDL	ug/g	Wet Wt	1			11/22/99	ICP, Hydride	VGICP_12-20-99B	1220SEH2	12/17/1999	12/20/1999	15:12	
Feedlot	ENV99-06	E9902085B	Laboratory Blank	NA	Lab QC	Blank	7782-49-2	Selenium	-1.42	0.005	EDL	ug/g	Wet Wt	1			NA	ICP, Hydride	VGICP_12-20-99B	1220SEH2	12/17/1999	12/20/1999	15:15	
Feedlot	ENV99-06	E9902086	10	Steer 10	Muscle	Primary	7782-49-2	Selenium	-0.0174	0.33	EDL	ug/g	Wet Wt	1			11/22/99	ICP, Hydride	VGICP_12-20-99B	1220SEH2	12/17/1999	12/20/1999	15:19	
Feedlot	ENV99-06	E9902087	11	Steer 11	Muscle	Primary	7782-49-2	Selenium	0.31	0.33	EDL	ug/g	Wet Wt	1			11/22/99	ICP, Hydride	VGICP_12-20-99B	1220SEH2	12/17/1999	12/20/1999	15:22	
Feedlot	ENV99-06	E9902088	12	Steer 12	Muscle	Primary	7782-49-2	Selenium	0.27	0.33	EDL	ug/g	Wet Wt	1			11/22/99	ICP, Hydride	VGICP_12-20-99B	1220SEH2	12/17/1999	12/20/1999	15:25	
Feedlot	ENV99-06	E9902089	13	Steer 13	Muscle	Primary	7782-49-2	Selenium	-0.0512	0.33	EDL	ug/g	Wet Wt	1			11/22/99	ICP, Hydride	VGICP_12-20-99B	1220SEH2	12/17/1999	12/20/1999	15:27	
Feedlot	ENV99-06	E9902090	14	Steer 14	Muscle	Primary	7782-49-2	Selenium	0.23	0.33	EDL	ug/g	Wet Wt	1			11/22/99	ICP, Hydride	VGICP_12-20-99B	1220SEH2	12/17/1999	12/20/1999	15:30	

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Feedlot	ENV99-06	E9902091	15	Steer 15	Muscle	Primary	7782-49-2	Selenium	-0.0331	0.33	EDL	ug/g	Wet Wt	1			11/22/99	ICP, Hydride	VGICP_12-20-99B	1220SEH2	12/17/1999	12/20/1999	15:33	
Feedlot	ENV99-06	E9902092	16	Steer 16	Muscle	Primary	7782-49-2	Selenium	-0.015	0.33	EDL	ug/g	Wet Wt	1			11/22/99	ICP, Hydride	VGICP_12-20-99B	1220SEH2	12/17/1999	12/20/1999	15:36	
Feedlot	ENV99-06	E9902093	17	Steer 17	Muscle	Primary	7782-49-2	Selenium	-0.127	0.33	EDL	ug/g	Wet Wt	1			11/22/99	ICP, Hydride	VGICP_12-20-99B	1220SEH2	12/17/1999	12/20/1999	15:39	
Feedlot	ENV99-06	E9902094	18	Steer 18	Muscle	Primary	7782-49-2	Selenium	-0.209	0.33	EDL	ug/g	Wet Wt	1			11/22/99	ICP, Hydride	VGICP_12-20-99B	1220SEH2	12/17/1999	12/20/1999	15:42	
Feedlot	ENV99-06	E9902095	19	Steer 19	Muscle	Primary	7782-49-2	Selenium	0.011	0.33	EDL	ug/g	Wet Wt	1			11/22/99	ICP, Hydride	VGICP_12-20-99B	1220SEH2	12/17/1999	12/20/1999	15:45	
Feedlot	ENV99-06	E9902096	20	Steer 20	Muscle	Primary	7782-49-2	Selenium	-0.0173	0.33	EDL	ug/g	Wet Wt	1			11/22/99	ICP, Hydride	VGICP_12-20-99B	1220SEH2	12/17/1999	12/20/1999	15:48	
Feedlot	ENV99-06	HRL2	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.413	0.005	EDL	ug/g	Wet Wt	1	0.446	93	NA	ICP, Hydride	VGICP_12-20-99B	1220SEH2	12/17/1999	12/20/1999	15:51	
Feedlot	ENV99-06	E9902017CS	Check Standard	NA	Lab QC	CCV	7782-49-2	Selenium	0.052	0.005	EDL	ug/g	Wet Wt	1	0.05	104	NA	ICP, Hydride	VGICP_12-29-99	1229SEH2	12/20/1999	12/29/1999	13:52	
Feedlot	ENV99-06	E9902017SR	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.42	0.005	EDL	ug/g	Wet Wt	1	0.446	94	NA	ICP, Hydride	VGICP_12-29-99	1229SEH2	12/20/1999	12/29/1999	13:55	
Feedlot	ENV99-06	E9902017B	Laboratory Blank	NA	Lab QC	Blank	7782-49-2	Selenium	-0.00138	0.005	EDL	ug/g	Wet Wt	1			NA	ICP, Hydride	VGICP_12-29-99	1229SEH2	12/20/1999	12/29/1999	15:57	
Feedlot	ENV99-06	E9902017	1	Steer 01	Blood	Primary	7782-49-2	Selenium	0.76	0.005	EDL	ug/g	Wet Wt	1			11/22/99	ICP, Hydride	VGICP_12-29-99	1229SEH2	12/20/1999	12/29/1999	14:00	
Feedlot	ENV99-06	E9902018	2	Steer 02	Blood	Primary	7782-49-2	Selenium	1.6	0.005	EDL	ug/g	Wet Wt	1			11/22/99	ICP, Hydride	VGICP_12-29-99	1229SEH2	12/20/1999	12/29/1999	14:03	
Feedlot	ENV99-06	E9902019	3	Steer 03	Blood	Primary	7782-49-2	Selenium	0.95	0.005	EDL	ug/g	Wet Wt	1			11/22/99	ICP, Hydride	VGICP_12-29-99	1229SEH2	12/20/1999	12/29/1999	14:06	
Feedlot	ENV99-06	E9902020	4	Steer 04	Blood	Primary	7782-49-2	Selenium	1.1	0.005	EDL	ug/g	Wet Wt	1			11/22/99	ICP, Hydride	VGICP_12-29-99	1229SEH2	12/20/1999	12/29/1999	14:09	
Feedlot	ENV99-06	E9902021	5	Steer 05	Blood	Primary	7782-49-2	Selenium	0.47	0.005	EDL	ug/g	Wet Wt	1			11/22/99	ICP, Hydride	VGICP_12-29-99	1229SEH2	12/20/1999	12/29/1999	14:12	
Feedlot	ENV99-06	E9902022	6	Steer 06	Blood	Primary	7782-49-2	Selenium	0.94	0.005	EDL	ug/g	Wet Wt	1			11/22/99	ICP, Hydride	VGICP_12-29-99	1229SEH2	12/20/1999	12/29/1999	14:15	
Feedlot	ENV99-06	E9902023	7	Steer 07	Blood	Primary	7782-49-2	Selenium	0.68	0.005	EDL	ug/g	Wet Wt	1			11/22/99	ICP, Hydride	VGICP_12-29-99	1229SEH2	12/20/1999	12/29/1999	14:18	
Feedlot	ENV99-06	E9902024	8	Steer 08	Blood	Primary	7782-49-2	Selenium	0.44	0.005	EDL	ug/g	Wet Wt	1			11/22/99	ICP, Hydride	VGICP_12-29-99	1229SEH2	12/20/1999	12/29/1999	14:20	
Feedlot	ENV99-06	E9902025	9	Steer 09	Blood	Primary	7782-49-2	Selenium	0.94	0.005	EDL	ug/g	Wet Wt	1			11/22/99	ICP, Hydride	VGICP_12-29-99	1229SEH2	12/20/1999	12/29/1999	14:23	
Feedlot	ENV99-06	E9902026	10	Steer 10	Blood	Primary	7782-49-2	Selenium	1.3	0.005	EDL	ug/g	Wet Wt	1			11/22/99	ICP, Hydride	VGICP_12-29-99	1229SEH2	12/20/1999	12/29/1999	14:26	
Feedlot	ENV99-06	E9902027	11	Steer 11	Blood	Primary	7782-49-2	Selenium	0.4	0.005	EDL	ug/g	Wet Wt	1			11/22/99	ICP, Hydride	VGICP_12-29-99	1229SEH2	12/20/1999	12/29/1999	14:29	
Feedlot	ENV99-06	E992027SR	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	11.5	0.005	EDL	ug/g	Wet Wt	1	0.446	2578	NA	ICP, Hydride	VGICP_12-29-99	1229SEH2	12/20/1999	12/29/1999	14:32	
Feedlot	ENV99-06	E992027B	Laboratory Blank	NA	Lab QC	Blank	7782-49-2	Selenium	0.00148	0.005	EDL	ug/g	Wet Wt	1			NA	ICP, Hydride	VGICP_12-29-99	1229SEH2	12/20/1999	12/29/1999	14:38	
Feedlot	ENV99-06	E992027CS	Check Standard	NA	Lab QC	CCV	7782-49-2	Selenium	0.052	0.005	EDL	ug/g	Wet Wt	1	0.05	104	NA	ICP, Hydride	VGICP_12-29-99	1229SEH2	12/20/1999	12/29/1999	14:40	
Feedlot	ENV99-06	E9902028	12	Steer 12	Blood	Primary	7782-49-2	Selenium	0.58	0.005	EDL	ug/g	Wet Wt	1			11/22/99	ICP, Hydride	VGICP_12-29-99	1229SEH2	12/20/1999	12/29/1999	14:43	
Feedlot	ENV99-06	E9902029	13	Steer 13	Blood	Primary	7782-49-2	Selenium	0.85	0.005	EDL	ug/g	Wet Wt	1			11/22/99	ICP, Hydride	VGICP_12-29-99	1229SEH2	12/20/1999	12/29/1999	14:46	
Feedlot	ENV99-06	E9902030	14	Steer 14	Blood	Primary	7782-49-2	Selenium	0.54	0.005	EDL	ug/g	Wet Wt	1			11/22/99	ICP, Hydride	VGICP_12-29-99	1229SEH2	12/20/1999	12/29/1999	14:49	
Feedlot	ENV99-06	E9902031	15	Steer 15	Blood	Primary	7782-49-2	Selenium	0.86	0.005	EDL	ug/g	Wet Wt	1			11/22/99	ICP, Hydride	VGICP_12-29-99	1229SEH2	12/20/1999	12/29/1999	14:52	
Feedlot	ENV99-06	E9902032	16	Steer 16	Blood	Primary	7782-49-2	Selenium	0.11	0.005	EDL	ug/g	Wet Wt	1			11/22/99	ICP, Hydride	VGICP_12-29-99	1229SEH2	12/20/1999	12/29/1999	14:55	
Feedlot	ENV99-06	E9902033	17	Steer 17	Blood	Primary	7782-49-2	Selenium	0.14	0.005	EDL	ug/g	Wet Wt	1			11/22/99	ICP, Hydride	VGICP_12-29-99	1229SEH2	12/20/1999	12/29/1999	14:58	
Feedlot	ENV99-06	E9902034	18	Steer 18	Blood	Primary	7782-49-2	Selenium	0.11	0.005	EDL	ug/g	Wet Wt	1			11/22/99	ICP, Hydride	VGICP_12-29-99	1229SEH2	12/20/1999	12/29/1999	15:01	
Feedlot	ENV99-06	E9902035	19	Steer 19	Blood	Primary	7782-49-2	Selenium	0.1	0.005	EDL	ug/g	Wet Wt	1			11/22/99	ICP, Hydride	VGICP_12-29-99	1229SEH2	12/20/1999	12/29/1999	15:03	
Feedlot	ENV99-06	E9902036	20	Steer 20	Blood	Primary	7782-49-2	Selenium	0.09	0.005	EDL	ug/g	Wet Wt	1			11/22/99	ICP, Hydride	VGICP_12-29-99	1229SEH2	12/20/1999	12/29/1999	15:06	
Feedlot	ENV99-06	E9902036SR	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	.030	0.005	EDL	ug/g	Wet Wt	1	0.446	7	NA	ICP, Hydride	VGICP_12-29-99	1229SEH2	12/20/1999	12/29/1999	15:09	
Feedlot	ENV99-06	E9902036B	Laboratory Blank	NA	Lab QC	Blank	7782-49-2	Selenium	-1.45	0.005	EDL	ug/g	Wet Wt	1			NA	ICP, Hydride	VGICP_12-29-99	1229SEH2	12/20/1999	12/29/1999	15:12	
Feedlot	ENV99-06	E9902036CS	Check Standard	NA	Lab QC	CCV	7782-49-2	Selenium	0.299	0.005	EDL	ug/g	Wet Wt	1	0	100	NA	ICP, Hydride	VGICP_12-29-99	1229SEH2	12/20/1999	12/29/1999	15:15	
Feedlot	ENV99-06	HRL	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.492	0.005	EDL	ug/g	Wet Wt	1	0.446	110	NA	ICP, Hydride	VGICP_02-28-00	0228SEH	2/22/2000	2/28/2000	11:11	
Feedlot	ENV99-06	E9902038	2	Steer 02	Serum	Primary	7782-49-2	Selenium	0.172	0.005	EDL	ug/g	Wet Wt	1			11/22/99	ICP, Hydride	VGICP_02-28-00	0228SEH	2/22/2000	2/28/2000	11:14	
Feedlot	ENV99-06	E9902040	4	Steer 04	Serum	Primary	7782-49-2	Selenium	0.131	0.005	EDL	ug/g	Wet Wt	1			11/22/99	ICP, Hydride	VGICP_02-28-00	0228SEH	2/22/2000	2/28/2000	11:17	
Feedlot	ENV99-06	E9902042	6	Steer 06	Serum	Primary	7782-49-2	Selenium	0.131	0.005	EDL	ug/g	Wet Wt	1			11/22/99	ICP, Hydride	VGICP_02-28-00	0228SEH	2/22/2000	2/28/2000	11:20	
Feedlot	ENV99-06	E9902043	7	Steer 07	Serum	Primary	7782-49-2	Selenium	0.18	0.005	EDL	ug/g	Wet Wt	1			11/22/99	ICP, Hydride	VGICP_02-28-00	0228SEH	2/22/2000	2/28/2000	11:23	
Feedlot	ENV99-06	E9902044	8	Steer 08	Serum	Primary	7782-49-2	Selenium	0.0809	0.005	EDL	ug/g	Wet Wt	1			11/22/99	ICP, Hydride	VGICP_02-28-00	0228SEH	2/22/2000	2/28/2000	11:26	
Feedlot	ENV99-06	E9902045	9	Steer 09	Serum	Primary	7782-49-2	Selenium	0.176	0.005	EDL	ug/g	Wet Wt	1			11/22/99	ICP, Hydride	VGICP_02-28-00	0228SEH	2/22/2000	2/28/2000	11:28	
Feedlot	ENV99-06	E9902048	12	Steer 12	Serum	Primary	7782-49-2	Selenium	0.065	0.005	EDL	ug/g	Wet Wt	1			11/22/99	ICP, Hydride	VGICP_02-28-00	0228SEH	2/22/2000	2/28/2000	11:31	
Feedlot	ENV99-06	E9902052	16	Steer 16	Serum	Primary	7782-49-2	Selenium	0.0571	0.005	EDL	ug/g	Wet Wt	1			11/22/99	ICP, Hydride	VGICP_02-28-00	0228SEH	2/22/2000	2/28/2000	11:34	
Feedlot	ENV99-06	HRL1	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.439	0.005	EDL	ug/g	Wet Wt	1	0.446	98	NA	ICP, Hydride	VGICP_02-28-00	0228SEH	2/22/2000	2/28/2000	11:43	
Feedlot	ENV99-06	HRL	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.402	0.005	EDL	ug/g	Wet Wt	1	0.446	90	NA	ICP, Hydride	VGICP_12-20-99A	1220SEH1	12/17/1999	12/20/1999	11:55	
Feedlot	ENV99-06	E9902057	1	Steer 01	Liver	Primary	7782-49-2	Selenium	-0.0969	1.9	EDL	ug/g	Wet Wt	1			11/22/99	ICP, Hydride	VGICP_12-20-99A	1220SEH1	12/17/1999	12/20/1999	11:58	
Feedlot	ENV99-06	E9902058	2	Steer 02	Liver	Primary	7782-49-2	Selenium	0.225	1.9	EDL	ug/g	Wet Wt	1			11/22/99	ICP, Hydride	VGICP_12-20-99A	1220SEH1	12/17/1999	12/20/1999	12:01	
Feedlot	ENV99-06	E9902059	3	Steer 03	Liver	Primary	7782-49-2	Selenium	0.56	1.9	EDL	ug/g	Wet Wt	1			11/22/99	ICP, Hydride	VGICP_12-20-99A	1220SEH1	12/17/1999	12/20/1999	12:04	
Feedlot	ENV99-06	E9902060	4	Steer 04	Liver	Primary	7782-49-2	Selenium	0.679	1.9	EDL	ug/g	Wet Wt	1			11/22/99	ICP, Hydride	VGICP_12-20-99A	1220SEH1	12/17/1999	12/20/1999	12:07	
Feedlot	ENV99-06	E9902061	5	Steer 05	Liver	Primary	7782-49-2	Selenium	0.215	1.9	EDL	ug/g	Wet Wt	1			11/22/99	ICP, Hydride	VGICP_12-20-99A	1220SEH1	12/17/1999	12/20/1999	12:10	
Feedlot	ENV99-06	E9902062	6	Steer 06	Liver	Primary	7782-49-2	Selenium	0.623	1.9	EDL	ug/g	Wet Wt	1			11/22/99	ICP, Hydride	VGICP_12-20-99A	1220SEH1	12/17/1999	12/20/1999	12:13	
Feedlot	ENV99-06	E9902063	7	Steer 07	Liver	Primary	7782-49-2	Selenium	0.364	1.9	EDL	ug/g	Wet Wt	1			11/22/99	ICP, Hydride	VGICP_12-20-99A	1220SEH1	12/17/1999	12/20/1999	12:16	
Feedlot	ENV99-06	E9902064	8	Steer 08	Liver	Primary	7782-49-2	Selenium	0.247	1.9	EDL	ug/g	Wet Wt	1			11/22/99	ICP, Hydride	VGICP_12-20-99A	1220SEH1	12/17/1999	12/20/1999	12:18	
Feedlot	ENV99-06	E9902065	9	Steer 09	Liver	Primary	7782-49-2	Selenium	0.667	1.9	EDL	ug/g	Wet Wt	1			11/22/99	ICP, Hydride	VGICP_12-20-99A	1220SEH1	12/17/1999	12/20/1999	12:21	
Feedlot	ENV99-06	HRL1	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.398	0.005	EDL	ug/g	Wet Wt	1	0.446	89	NA	ICP, Hydride	VGICP_12-20-99A	1220SEH1	12/17/1999	12/20/1999	12:24	
Feedlot	ENV99-06	E9902066	10	Steer 10	Liver	Primary	7782-49-2	Selenium	-0.178	1.9	EDL	ug/g	Wet Wt	1			11/22/99	ICP, Hydride	VGICP_12-20-99A	1220SEH1	12/17/1999	12/20/1999	12:27	

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Feedlot	ENV99-06	E9902067	11	Steer 11	Liver	Primary	7782-49-2	Selenium	0.00542	1.9	EDL	ug/g	Wet Wt	1			11/22/99	ICP, Hydride	VGICP_12-20-99A	1220SEH1	12/17/1999	12/20/1999	12:30	
Feedlot	ENV99-06	E9902068	12	Steer 12	Liver	Primary	7782-49-2	Selenium	0.06	1.9	EDL	ug/g	Wet Wt	1			11/22/99	ICP, Hydride	VGICP_12-20-99A	1220SEH1	12/17/1999	12/20/1999	12:33	
Feedlot	ENV99-06	E9902069	13	Steer 13	Liver	Primary	7782-49-2	Selenium	0.21	1.9	EDL	ug/g	Wet Wt	1			11/22/99	ICP, Hydride	VGICP_12-20-99A	1220SEH1	12/17/1999	12/20/1999	12:35	
Feedlot	ENV99-06	E9902070	14	Steer 14	Liver	Primary	7782-49-2	Selenium	0.122	1.9	EDL	ug/g	Wet Wt	1			11/22/99	ICP, Hydride	VGICP_12-20-99A	1220SEH1	12/17/1999	12/20/1999	12:38	
Feedlot	ENV99-06	E9902071	15	Steer 15	Liver	Primary	7782-49-2	Selenium	-0.236	1.9	EDL	ug/g	Wet Wt	1			11/22/99	ICP, Hydride	VGICP_12-20-99A	1220SEH1	12/17/1999	12/20/1999	12:41	
Feedlot	ENV99-06	E9902072	16	Steer 16	Liver	Primary	7782-49-2	Selenium	-0.33	1.9	EDL	ug/g	Wet Wt	1			11/22/99	ICP, Hydride	VGICP_12-20-99A	1220SEH1	12/17/1999	12/20/1999	12:44	
Feedlot	ENV99-06	E9902073	17	Steer 17	Liver	Primary	7782-49-2	Selenium	-0.388	1.9	EDL	ug/g	Wet Wt	1			11/22/99	ICP, Hydride	VGICP_12-20-99A	1220SEH1	12/17/1999	12/20/1999	12:47	
Feedlot	ENV99-06	E9902074	18	Steer 18	Liver	Primary	7782-49-2	Selenium	-0.408	1.9	EDL	ug/g	Wet Wt	1			11/22/99	ICP, Hydride	VGICP_12-20-99A	1220SEH1	12/17/1999	12/20/1999	12:50	
Feedlot	ENV99-06	E9902075	19	Steer 19	Liver	Primary	7782-49-2	Selenium	-0.574	1.9	EDL	ug/g	Wet Wt	1			11/22/99	ICP, Hydride	VGICP_12-20-99A	1220SEH1	12/17/1999	12/20/1999	12:53	
Feedlot	ENV99-06	E9902076	20	Steer 20	Liver	Primary	7782-49-2	Selenium	-0.189	1.9	EDL	ug/g	Wet Wt	1			11/22/99	ICP, Hydride	VGICP_12-20-99A	1220SEH1	12/17/1999	12/20/1999	12:56	
Feedlot	ENV99-06	HRL2	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.405	0.005	EDL	ug/g	Wet Wt	1	0.446	91	NA	ICP, Hydride	VGICP_12-20-99A	1220SEH1	12/17/1999	12/20/1999	12:59	
Feedlot	ENV99-06	7140	Check Standard	NA	Lab QC	CCV	7440-66-6	Zinc	1.34	0.08	EDL	ug/g	Wet Wt	1	1.3	103	NA	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	10:56	
Feedlot	ENV99-06	7140	Check Standard	NA	Lab QC	CCV	7723-14-0	Phosphorus	83.2	2	EDL	ug/g	Wet Wt	1	83.8	99	NA	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	10:56	
Feedlot	ENV99-06	7140	Check Standard	NA	Lab QC	CCV	7439-89-6	Iron	2.09	0.22	EDL	ug/g	Wet Wt	1	1.70	123	NA	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	10:56	
Feedlot	ENV99-06	7140	Check Standard	NA	Lab QC	CCV	7439-95-4	Magnesium	26	0.04	EDL	ug/g	Wet Wt	1	24.6	106	NA	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	10:56	
Feedlot	ENV99-06	7140	Check Standard	NA	Lab QC	CCV	7440-50-8	Copper	1.27	0.07	EDL	ug/g	Wet Wt	1	1.33	95	NA	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	10:56	
Feedlot	ENV99-06	7140	Check Standard	NA	Lab QC	CCV	7440-70-2	Calcium	114	0.07	EDL	ug/g	Wet Wt	1	109	105	NA	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	10:56	
Feedlot	ENV99-06	E9902037	1	Steer 01	Serum	Primary	7440-66-6	Zinc	1.2	0.08	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:02	
Feedlot	ENV99-06	E9902037	1	Steer 01	Serum	Primary	7723-14-0	phosphorus	68	2	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:02	
Feedlot	ENV99-06	E9902037	1	Steer 01	Serum	Primary	7439-89-6	Iron	2.6	0.22	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:02	
Feedlot	ENV99-06	E9902037	1	Steer 01	Serum	Primary	7439-95-4	Magnesium	21	0.04	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:02	
Feedlot	ENV99-06	E9902037	1	Steer 01	Serum	Primary	7440-50-8	Copper	0.68	0.07	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:02	
Feedlot	ENV99-06	E9902037	1	Steer 01	Serum	Primary	7440-70-2	Calcium	102	0.07	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:02	
Feedlot	ENV99-06	E9902038	2	Steer 02	Serum	Primary	7440-66-6	Zinc	0.83	0.08	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:05	
Feedlot	ENV99-06	E9902038	2	Steer 02	Serum	Primary	7723-14-0	phosphorus	83	2	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:05	
Feedlot	ENV99-06	E9902038	2	Steer 02	Serum	Primary	7439-89-6	Iron	2.9	0.22	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:05	
Feedlot	ENV99-06	E9902038	2	Steer 02	Serum	Primary	7439-95-4	Magnesium	22	0.04	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:05	
Feedlot	ENV99-06	E9902038	2	Steer 02	Serum	Primary	7440-50-8	Copper	0.62	0.07	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:05	
Feedlot	ENV99-06	E9902038	2	Steer 02	Serum	Primary	7440-70-2	Calcium	103	0.07	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:05	
Feedlot	ENV99-06	E9902039	3	Steer 03	Serum	Primary	7440-66-6	Zinc	1.1	0.08	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:08	
Feedlot	ENV99-06	E9902039	3	Steer 03	Serum	Primary	7723-14-0	phosphorus	79	2	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:08	
Feedlot	ENV99-06	E9902039	3	Steer 03	Serum	Primary	7439-89-6	Iron	2.4	0.22	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:08	
Feedlot	ENV99-06	E9902039	3	Steer 03	Serum	Primary	7439-95-4	Magnesium	26	0.04	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:08	
Feedlot	ENV99-06	E9902039	3	Steer 03	Serum	Primary	7440-50-8	Copper	0.72	0.07	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:08	
Feedlot	ENV99-06	E9902039	3	Steer 03	Serum	Primary	7440-70-2	Calcium	110	0.07	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:08	
Feedlot	ENV99-06	E9902040	4	Steer 04	Serum	Primary	7440-66-6	Zinc	1.2	0.08	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:11	
Feedlot	ENV99-06	E9902040	4	Steer 04	Serum	Primary	7723-14-0	phosphorus	84	2	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:11	
Feedlot	ENV99-06	E9902040	4	Steer 04	Serum	Primary	7439-89-6	Iron	2.4	0.22	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:11	
Feedlot	ENV99-06	E9902040	4	Steer 04	Serum	Primary	7439-95-4	Magnesium	25	0.04	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:11	
Feedlot	ENV99-06	E9902040	4	Steer 04	Serum	Primary	7440-50-8	Copper	1	0.07	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:11	
Feedlot	ENV99-06	E9902040	4	Steer 04	Serum	Primary	7440-70-2	Calcium	104	0.07	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:11	
Feedlot	ENV99-06	E9902041	5	Steer 05	Serum	Primary	7440-66-6	Zinc	0.86	0.08	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:14	
Feedlot	ENV99-06	E9902041	5	Steer 05	Serum	Primary	7723-14-0	phosphorus	69	2	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:14	
Feedlot	ENV99-06	E9902041	5	Steer 05	Serum	Primary	7439-89-6	Iron	2.9	0.22	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:14	
Feedlot	ENV99-06	E9902041	5	Steer 05	Serum	Primary	7439-95-4	Magnesium	26	0.04	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:14	
Feedlot	ENV99-06	E9902041	5	Steer 05	Serum	Primary	7440-50-8	Copper	0.89	0.07	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:14	
Feedlot	ENV99-06	E9902041	5	Steer 05	Serum	Primary	7440-70-2	Calcium	103	0.07	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:14	
Feedlot	ENV99-06	E9902042	6	Steer 06	Serum	Primary	7440-66-6	Zinc	1	0.08	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:17	
Feedlot	ENV99-06	E9902042	6	Steer 06	Serum	Primary	7723-14-0	phosphorus	78	2	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:17	
Feedlot	ENV99-06	E9902042	6	Steer 06	Serum	Primary	7439-89-6	Iron	2.5	0.22	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:17	
Feedlot	ENV99-06	E9902042	6	Steer 06	Serum	Primary	7439-95-4	Magnesium	23	0.04	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:17	
Feedlot	ENV99-06	E9902042	6	Steer 06	Serum	Primary	7440-50-8	Copper	0.98	0.07	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:17	
Feedlot	ENV99-06	E9902042	6	Steer 06	Serum	Primary	7440-70-2	Calcium	102	0.07	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:17	
Feedlot	ENV99-06	E9902043	7	Steer 07	Serum	Primary	7440-66-6	Zinc	1	0.08	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:20	
Feedlot	ENV99-06	E9902043	7	Steer 07	Serum	Primary	7723-14-0	phosphorus	80	2	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:20	
Feedlot	ENV99-06	E9902043	7	Steer 07	Serum	Primary	7439-89-6	Iron	2.2	0.22	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:20	
Feedlot	ENV99-06	E9902043	7	Steer 07	Serum	Primary	7439-95-4	Magnesium	28	0.04	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:20	
Feedlot	ENV99-06	E9902043	7	Steer 07	Serum	Primary	7440-50-8	Copper	0.72	0.07	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:20	

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Feedlot	ENV99-06	E9902043	7	Steer 07	Serum	Primary	7440-70-2	Calcium	108	0.07	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:20	
Feedlot	ENV99-06	E9902044	8	Steer 08	Serum	Primary	7440-66-6	Zinc	1	0.08	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:23	
Feedlot	ENV99-06	E9902044	8	Steer 08	Serum	Primary	7723-14-0	phosphorus	86	2	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:23	
Feedlot	ENV99-06	E9902044	8	Steer 08	Serum	Primary	7439-89-6	Iron	2.7	0.22	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:23	
Feedlot	ENV99-06	E9902044	8	Steer 08	Serum	Primary	7439-95-4	Magnesium	25	0.04	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:23	
Feedlot	ENV99-06	E9902044	8	Steer 08	Serum	Primary	7440-50-8	Copper	0.85	0.07	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:23	
Feedlot	ENV99-06	E9902044	8	Steer 08	Serum	Primary	7440-70-2	Calcium	103	0.07	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:23	
Feedlot	ENV99-06	E9902045	9	Steer 09	Serum	Primary	7440-66-6	Zinc	1.1	0.08	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:26	
Feedlot	ENV99-06	E9902045	9	Steer 09	Serum	Primary	7723-14-0	phosphorus	73	2	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:26	
Feedlot	ENV99-06	E9902045	9	Steer 09	Serum	Primary	7439-89-6	Iron	2.4	0.22	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:26	
Feedlot	ENV99-06	E9902045	9	Steer 09	Serum	Primary	7439-95-4	Magnesium	24	0.04	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:26	
Feedlot	ENV99-06	E9902045	9	Steer 09	Serum	Primary	7440-50-8	Copper	0.76	0.07	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:26	
Feedlot	ENV99-06	E9902045	9	Steer 09	Serum	Primary	7440-70-2	Calcium	101	0.07	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:26	
Feedlot	ENV99-06	7140-1	Check Standard	NA	Lab QC	CCV	7440-66-6	Zinc	1.38	0.08	EDL	ug/g	Wet Wt	1	1.3	106	NA	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:29	
Feedlot	ENV99-06	7140-1	Check Standard	NA	Lab QC	CCV	7723-14-0	Phosphorus	80.9	2	EDL	ug/g	Wet Wt	1	83.8	97	NA	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:29	
Feedlot	ENV99-06	7140-1	Check Standard	NA	Lab QC	CCV	7439-89-6	Iron	2.16	0.22	EDL	ug/g	Wet Wt	1	1.70	127	NA	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:29	
Feedlot	ENV99-06	7140-1	Check Standard	NA	Lab QC	CCV	7439-95-4	Magnesium	26.8	0.04	EDL	ug/g	Wet Wt	1	24.6	109	NA	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:29	
Feedlot	ENV99-06	7140-1	Check Standard	NA	Lab QC	CCV	7440-50-8	Copper	1.27	0.07	EDL	ug/g	Wet Wt	1	1.33	95	NA	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:29	
Feedlot	ENV99-06	7140-1	Check Standard	NA	Lab QC	CCV	7440-70-2	Calcium	110	0.07	EDL	ug/g	Wet Wt	1	109	101	NA	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:29	
Feedlot	ENV99-06	E9902046	10	Steer 10	Serum	Primary	7440-66-6	Zinc	1.1	0.08	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:32	
Feedlot	ENV99-06	E9902046	10	Steer 10	Serum	Primary	7723-14-0	phosphorus	80	2	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:32	
Feedlot	ENV99-06	E9902046	10	Steer 10	Serum	Primary	7439-89-6	Iron	1.9	0.22	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:32	
Feedlot	ENV99-06	E9902046	10	Steer 10	Serum	Primary	7439-95-4	Magnesium	26	0.04	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:32	
Feedlot	ENV99-06	E9902046	10	Steer 10	Serum	Primary	7440-50-8	Copper	1.1	0.07	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:32	
Feedlot	ENV99-06	E9902046	10	Steer 10	Serum	Primary	7440-70-2	Calcium	102	0.07	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:32	
Feedlot	ENV99-06	E9902046D	10	Steer 10	Serum	Primary	7440-66-6	Zinc	1.01	0.08	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:35	
Feedlot	ENV99-06	E9902046D	10	Steer 10	Serum	Primary	7723-14-0	phosphorus	77.6	2	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:35	
Feedlot	ENV99-06	E9902046D	10	Steer 10	Serum	Primary	7439-89-6	Iron	1.83	0.22	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:35	
Feedlot	ENV99-06	E9902046D	10	Steer 10	Serum	Primary	7439-95-4	Magnesium	25.6	0.04	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:35	
Feedlot	ENV99-06	E9902046D	10	Steer 10	Serum	Primary	7440-50-8	Copper	1.04	0.07	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:35	
Feedlot	ENV99-06	E9902046D	10	Steer 10	Serum	Primary	7440-70-2	Calcium	101	0.07	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:35	
Feedlot	ENV99-06	E9902047	11	Steer 11	Serum	Primary	7440-66-6	Zinc	1.2	0.08	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:38	
Feedlot	ENV99-06	E9902047	11	Steer 11	Serum	Primary	7723-14-0	phosphorus	74	2	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:38	
Feedlot	ENV99-06	E9902047	11	Steer 11	Serum	Primary	7439-89-6	Iron	2.66	0.22	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:38	
Feedlot	ENV99-06	E9902047	11	Steer 11	Serum	Primary	7439-95-4	Magnesium	23	0.04	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:38	
Feedlot	ENV99-06	E9902047	11	Steer 11	Serum	Primary	7440-50-8	Copper	0.89	0.07	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:38	
Feedlot	ENV99-06	E9902047	11	Steer 11	Serum	Primary	7440-70-2	Calcium	101	0.07	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:38	
Feedlot	ENV99-06	E9902048	12	Steer 12	Serum	Primary	7440-66-6	Zinc	1	0.08	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:41	
Feedlot	ENV99-06	E9902048	12	Steer 12	Serum	Primary	7723-14-0	phosphorus	88	2	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:41	
Feedlot	ENV99-06	E9902048	12	Steer 12	Serum	Primary	7439-89-6	Iron	2.5	0.22	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:41	
Feedlot	ENV99-06	E9902048	12	Steer 12	Serum	Primary	7439-95-4	Magnesium	27	0.04	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:41	
Feedlot	ENV99-06	E9902048	12	Steer 12	Serum	Primary	7440-50-8	Copper	0.91	0.07	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:41	
Feedlot	ENV99-06	E9902048	12	Steer 12	Serum	Primary	7440-70-2	Calcium	102	0.07	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:41	
Feedlot	ENV99-06	E9902049	13	Steer 13	Serum	Primary	7440-66-6	Zinc	1	0.08	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:43	
Feedlot	ENV99-06	E9902049	13	Steer 13	Serum	Primary	7723-14-0	phosphorus	59	2	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:43	
Feedlot	ENV99-06	E9902049	13	Steer 13	Serum	Primary	7439-89-6	Iron	2.7	0.22	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:43	
Feedlot	ENV99-06	E9902049	13	Steer 13	Serum	Primary	7439-95-4	Magnesium	21	0.04	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:43	
Feedlot	ENV99-06	E9902049	13	Steer 13	Serum	Primary	7440-50-8	Copper	0.79	0.07	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:43	
Feedlot	ENV99-06	E9902049	13	Steer 13	Serum	Primary	7440-70-2	Calcium	102	0.07	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:43	
Feedlot	ENV99-06	E9902050	14	Steer 14	Serum	Primary	7440-66-6	Zinc	0.96	0.08	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:46	
Feedlot	ENV99-06	E9902050	14	Steer 14	Serum	Primary	7723-14-0	phosphorus	83	2	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:46	
Feedlot	ENV99-06	E9902050	14	Steer 14	Serum	Primary	7439-89-6	Iron	1.9	0.22	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:46	
Feedlot	ENV99-06	E9902050	14	Steer 14	Serum	Primary	7439-95-4	Magnesium	24	0.04	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:46	
Feedlot	ENV99-06	E9902050	14	Steer 14	Serum	Primary	7440-50-8	Copper	0.77	0.07	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:46	
Feedlot	ENV99-06	E9902050	14	Steer 14	Serum	Primary	7440-70-2	Calcium	112	0.07	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:46	
Feedlot	ENV99-06	E9902051	15	Steer 15	Serum	Primary	7440-66-6	Zinc	1.1	0.08	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:49	
Feedlot	ENV99-06	E9902051	15	Steer 15	Serum	Primary	7723-14-0	phosphorus	86	2	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:49	
Feedlot	ENV99-06	E9902051	15	Steer 15	Serum	Primary	7439-89-6	Iron	2.7	0.22	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:49	

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Feedlot	ENV99-06	E9902051	15	Steer 15	Serum	Primary	7439-95-4	Magnesium	26	0.04	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:49	
Feedlot	ENV99-06	E9902051	15	Steer 15	Serum	Primary	7440-50-8	Copper	1	0.07	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:49	
Feedlot	ENV99-06	E9902051	15	Steer 15	Serum	Primary	7440-70-2	Calcium	104	0.07	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:49	
Feedlot	ENV99-06	E9902052	16	Steer 16	Serum	Primary	7440-66-6	Zinc	0.95	0.08	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:52	
Feedlot	ENV99-06	E9902052	16	Steer 16	Serum	Primary	7723-14-0	phosphorus	85	2	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:52	
Feedlot	ENV99-06	E9902052	16	Steer 16	Serum	Primary	7439-89-6	Iron	2.1	0.22	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:52	
Feedlot	ENV99-06	E9902052	16	Steer 16	Serum	Primary	7439-95-4	Magnesium	25	0.04	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:52	
Feedlot	ENV99-06	E9902052	16	Steer 16	Serum	Primary	7440-50-8	Copper	0.9	0.07	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:52	
Feedlot	ENV99-06	E9902052	16	Steer 16	Serum	Primary	7440-70-2	Calcium	102	0.07	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:52	
Feedlot	ENV99-06	E9902053	17	Steer 17	Serum	Primary	7440-66-6	Zinc	0.92	0.08	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:55	
Feedlot	ENV99-06	E9902053	17	Steer 17	Serum	Primary	7723-14-0	phosphorus	0.57	2	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:55	
Feedlot	ENV99-06	E9902053	17	Steer 17	Serum	Primary	7439-89-6	Iron	2.8	0.22	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:55	
Feedlot	ENV99-06	E9902053	17	Steer 17	Serum	Primary	7439-95-4	Magnesium	23	0.04	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:55	
Feedlot	ENV99-06	E9902053	17	Steer 17	Serum	Primary	7440-50-8	Copper	1	0.07	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:55	
Feedlot	ENV99-06	E9902053	17	Steer 17	Serum	Primary	7440-70-2	Calcium	108	0.07	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:55	
Feedlot	ENV99-06	E9902054	18	Steer 18	Serum	Primary	7440-66-6	Zinc	1.3	0.08	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:08	
Feedlot	ENV99-06	E9902054	18	Steer 18	Serum	Primary	7723-14-0	phosphorus	86	2	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:08	
Feedlot	ENV99-06	E9902054	18	Steer 18	Serum	Primary	7439-89-6	Iron	3.5	0.22	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:08	
Feedlot	ENV99-06	E9902054	18	Steer 18	Serum	Primary	7439-95-4	Magnesium	24	0.04	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:08	
Feedlot	ENV99-06	E9902054	18	Steer 18	Serum	Primary	7440-50-8	Copper	1	0.07	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:08	
Feedlot	ENV99-06	E9902054	18	Steer 18	Serum	Primary	7440-70-2	Calcium	118	0.07	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	11:08	
Feedlot	ENV99-06	E9902055	19	Steer 19	Serum	Primary	7440-66-6	Zinc	1	0.08	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	12:01	
Feedlot	ENV99-06	E9902055	19	Steer 19	Serum	Primary	7723-14-0	phosphorus	79	2	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	12:01	
Feedlot	ENV99-06	E9902055	19	Steer 19	Serum	Primary	7439-89-6	Iron	3	0.22	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	12:01	
Feedlot	ENV99-06	E9902055	19	Steer 19	Serum	Primary	7439-95-4	Magnesium	26	0.04	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	12:01	
Feedlot	ENV99-06	E9902055	19	Steer 19	Serum	Primary	7440-50-8	Copper	1.1	0.07	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	12:01	
Feedlot	ENV99-06	E9902055	19	Steer 19	Serum	Primary	7440-70-2	Calcium	111	0.07	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	12:01	
Feedlot	ENV99-06	E9902056	20	Steer 20	Serum	Primary	7440-66-6	Zinc	0.98	0.08	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	12:04	
Feedlot	ENV99-06	E9902056	20	Steer 20	Serum	Primary	7723-14-0	phosphorus	83	2	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	12:04	
Feedlot	ENV99-06	E9902056	20	Steer 20	Serum	Primary	7439-89-6	Iron	2.6	0.22	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	12:04	
Feedlot	ENV99-06	E9902056	20	Steer 20	Serum	Primary	7439-95-4	Magnesium	23	0.04	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	12:04	
Feedlot	ENV99-06	E9902056	20	Steer 20	Serum	Primary	7440-50-8	Copper	0.63	0.07	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	12:04	
Feedlot	ENV99-06	E9902056	20	Steer 20	Serum	Primary	7440-70-2	Calcium	108	0.07	EDL	ug/g	Wet Wt	1			11/22/99	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	12:04	
Feedlot	ENV99-06	7140-2	Check Standard	NA	Lab QC	CCV	7440-66-6	Zinc	1.44	0.08	EDL	ug/g	Wet Wt	1	1.3	111	NA	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	12:09	
Feedlot	ENV99-06	7140-2	Check Standard	NA	Lab QC	CCV	7723-14-0	Phosphorus	82.5	2	EDL	ug/g	Wet Wt	1	83.8	98	NA	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	12:09	
Feedlot	ENV99-06	7140-2	Check Standard	NA	Lab QC	CCV	7439-89-6	Iron	2.13	0.22	EDL	ug/g	Wet Wt	1	1.70	125	NA	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	12:09	
Feedlot	ENV99-06	7140-2	Check Standard	NA	Lab QC	CCV	7439-95-4	Magnesium	26.8	0.04	EDL	ug/g	Wet Wt	1	24.6	109	NA	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	12:09	
Feedlot	ENV99-06	7140-2	Check Standard	NA	Lab QC	CCV	7440-50-8	Copper	1.25	0.07	EDL	ug/g	Wet Wt	1	1.33	94	NA	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	12:09	
Feedlot	ENV99-06	7140-2	Check Standard	NA	Lab QC	CCV	7440-70-2	Calcium	112	0.07	EDL	ug/g	Wet Wt	1	109	103	NA	ICP - TES	TESICP_01-26-00	0113TES2	1/11/2000	1/26/2000	12:09	
Feedlot	EDC99-01	HRL	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.439	0.005	EDL	ug/g	Wet Wt	1	0.446	98	NA	ICP, Hydride	VGICP_02-03-00	0203SEMW	1/26/2000	2/3/2000	8:40	
Feedlot	EDC99-01	E9902097	I-1-99 Feed-1	NA	Plant	Primary	7782-49-2	Selenium	0.333	0.005	EDL	ug/g	Wet Wt	1			12/01/99	ICP, Hydride	VGICP_02-03-00	0203SEMW	1/26/2000	2/3/2000	8:47	
Feedlot	EDC99-01	E9902097D	I-1-99 Feed-1	NA	Plant	ıb Duplica	7782-49-2	Selenium	0.305	0.005	EDL	ug/g	Wet Wt	1			12/01/99	ICP, Hydride	VGICP_02-03-00	0203SEMW	1/26/2000	2/3/2000	8:49	
Feedlot	EDC99-01	HRL	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.447	0.005	EDL	ug/g	Wet Wt	1	0.446	100	NA	ICP, Hydride	VGICP_02-03-00	0203SEMW	1/26/2000	2/3/2000	9:30	
Feedlot	EDC99-02	E9902098SR	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.422	0.005	EDL	ug/g	Wet Wt	1	0.446	95	NA	ICP, Hydride	VGICP_01-21-00	0122SEMW	1/6/2000	1/21/2000	14:25	
Feedlot	EDC99-02	E9902098	1	Steer 01	Blood	Primary	7782-49-2	Selenium	0.346	0.005	EDL	ug/g	Wet Wt	1			12/03/99	ICP, Hydride	VGICP_01-21-00	0122SEMW	1/6/2000	1/21/2000	14:29	
Feedlot	EDC99-02	E9902099	2	Steer 02	Blood	Primary	7782-49-2	Selenium	0.772	0.005	EDL	ug/g	Wet Wt	1			12/03/99	ICP, Hydride	VGICP_01-21-00	0122SEMW	1/6/2000	1/21/2000	14:32	
Feedlot	EDC99-02	E9902100	3	Steer 03	Blood	Primary	7782-49-2	Selenium	0.782	0.005	EDL	ug/g	Wet Wt	1			12/03/99	ICP, Hydride	VGICP_01-21-00	0122SEMW	1/6/2000	1/21/2000	14:35	
Feedlot	EDC99-02	E9902101	4	Steer 04	Blood	Primary	7782-49-2	Selenium	0.39	0.005	EDL	ug/g	Wet Wt	1			12/03/99	ICP, Hydride	VGICP_01-21-00	0122SEMW	1/6/2000	1/21/2000	14:37	
Feedlot	EDC99-02	E9902102	5	Steer 05	Blood	Primary	7782-49-2	Selenium	0.998	0.005	EDL	ug/g	Wet Wt	1			12/03/99	ICP, Hydride	VGICP_01-21-00	0122SEMW	1/6/2000	1/21/2000	14:40	
Feedlot	EDC99-02	E9902103	6	Steer 06	Blood	Primary	7782-49-2	Selenium	0.436	0.005	EDL	ug/g	Wet Wt	1			12/03/99	ICP, Hydride	VGICP_01-21-00	0122SEMW	1/6/2000	1/21/2000	14:43	
Feedlot	EDC99-02	E9902104	7	Steer 07	Blood	Primary	7782-49-2	Selenium	0.598	0.005	EDL	ug/g	Wet Wt	1			12/03/99	ICP, Hydride	VGICP_01-21-00	0122SEMW	1/6/2000	1/21/2000	14:46	
Feedlot	EDC99-02	E9902104D	7	Steer 07	Blood	ıb Duplica	7782-49-2	Selenium	0.726	0.005	EDL	ug/g	Wet Wt	1			12/03/99	ICP, Hydride	VGICP_01-21-00	0122SEMW	1/6/2000	1/21/2000	14:49	
Feedlot	EDC99-02	E9902105	8	Steer 08	Blood	Primary	7782-49-2	Selenium	0.312	0.005	EDL	ug/g	Wet Wt	1			12/03/99	ICP, Hydride	VGICP_01-21-00	0122SEMW	1/6/2000	1/21/2000	14:52	
Feedlot	EDC99-02	E9902106	9	Steer 09	Blood	Primary	7782-49-2	Selenium	0.496	0.005	EDL	ug/g	Wet Wt	1			12/03/99	ICP, Hydride	VGICP_01-21-00	0122SEMW	1/6/2000	1/21/2000	14:55	
Feedlot	EDC99-02	E9902107	10	Steer 10	Blood	Primary	7782-49-2	Selenium	0.4	0.005	EDL	ug/g	Wet Wt	1			12/03/99	ICP, Hydride	VGICP_01-21-00	0122SEMW	1/6/2000	1/21/2000	14:57	
Feedlot	EDC99-02	E9902108	11	Steer 11	Blood	Primary	7782-49-2	Selenium	0.389	0.005	EDL	ug/g	Wet Wt	1			12/03/99	ICP, Hydride	VGICP_01-21-00	0122SEMW	1/6/2000	1/21/2000	15:00	
Feedlot	EDC99-02	E9902108SR	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.422	0.005	EDL	ug/g	Wet Wt	1	0.446	95	NA	ICP, Hydride	VGICP_01-21-00	0122SEMW	1/6/2000	1/21/2000	15:03	
Feedlot	EDC99-02	E9902109	12	Steer 12	Blood	Primary	7782-49-2	Selenium	0.451	0.005	EDL	ug/g	Wet Wt	1			12/03/99	ICP, Hydride	VGICP_01-21-00	0122SEMW	1/6/2000	1/21/2000	15:06	

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Feedlot	EDC99-02	E9902110	13	Steer 13	Blood	Primary	7782-49-2	Selenium	0.377	0.005	EDL	ug/g	Wet Wt	1			12/03/99	ICP, Hydride	VGICP_01-21-00	0122SEMW	1/6/2000	1/21/2000	15:09	
Feedlot	EDC99-02	E9902111	14	Steer 14	Blood	Primary	7782-49-2	Selenium	0.838	0.005	EDL	ug/g	Wet Wt	1			12/03/99	ICP, Hydride	VGICP_01-21-00	0122SEMW	1/6/2000	1/21/2000	15:12	
Feedlot	EDC99-02	E9902112	15	Steer 15	Blood	Primary	7782-49-2	Selenium	0.58	0.005	EDL	ug/g	Wet Wt	1			12/03/99	ICP, Hydride	VGICP_01-21-00	0122SEMW	1/6/2000	1/21/2000	15:15	
Feedlot	EDC99-02	E9902113	16	Steer 16	Blood	Primary	7782-49-2	Selenium	0.092	0.005	EDL	ug/g	Wet Wt	1			12/03/99	ICP, Hydride	VGICP_01-21-00	0122SEMW	1/6/2000	1/21/2000	15:17	
Feedlot	EDC99-02	E9902113D	16	Steer 16	Blood	ıb Duplica	7782-49-2	Selenium	0.097	0.005	EDL	ug/g	Wet Wt	1			12/03/99	ICP, Hydride	VGICP_01-21-00	0122SEMW	1/6/2000	1/21/2000	15:20	
Feedlot	EDC99-02	E9902114	17	Steer 17	Blood	Primary	7782-49-2	Selenium	0.086	0.005	EDL	ug/g	Wet Wt	1			12/03/99	ICP, Hydride	VGICP_01-21-00	0122SEMW	1/6/2000	1/21/2000	15:23	
Feedlot	EDC99-02	E9902115	18	Steer 18	Blood	Primary	7782-49-2	Selenium	0.139	0.005	EDL	ug/g	Wet Wt	1			12/03/99	ICP, Hydride	VGICP_01-21-00	0122SEMW	1/6/2000	1/21/2000	15:26	
Feedlot	EDC99-02	E9902116	19	Steer 19	Blood	Primary	7782-49-2	Selenium	0.116	0.005	EDL	ug/g	Wet Wt	1			12/03/99	ICP, Hydride	VGICP_01-21-00	0122SEMW	1/6/2000	1/21/2000	15:29	
Feedlot	EDC99-02	E9902117	20	Steer 20	Blood	Primary	7782-49-2	Selenium	0.101	0.005	EDL	ug/g	Wet Wt	1			12/03/99	ICP, Hydride	VGICP_01-21-00	0122SEMW	1/6/2000	1/21/2000	15:32	
Feedlot	EDC99-02	E9902117SR	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.428	0.005	EDL	ug/g	Wet Wt	1	0.446	96	NA	ICP, Hydride	VGICP_01-21-00	0122SEMW	1/6/2000	1/21/2000	15:35	
Feedlot	EDC99-02	E9902118B	Laboratory Blank	NA	Lab QC	Blank	7782-49-2	Selenium	0	0.005	EDL	ug/g	Wet Wt	1			NA	ICP, Hydride	VGICP_02-17-00	0217SEH	2/14/2000	2/17/2000	14:41	
Feedlot	EDC99-02	E9902118CS	Check Standard	NA	Lab QC	CCV	7782-49-2	Selenium	0.051	0.005	EDL	ug/g	Wet Wt	1	0.050	102	NA	ICP, Hydride	VGICP_02-17-00	0217SEH	2/14/2000	2/17/2000	14:43	
Feedlot	EDC99-02	E9902118SR	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.443	0.005	EDL	ug/g	Wet Wt	1	0.446	99	NA	ICP, Hydride	VGICP_02-17-00	0217SEH	2/14/2000	2/17/2000	14:46	
Feedlot	EDC99-02	E9902118	1	Steer 01	Serum	Primary	7782-49-2	Selenium	0.098	0.005	EDL	ug/g	Wet Wt	1			12/03/99	ICP, Hydride	VGICP_02-17-00	0217SEH	2/14/2000	2/17/2000	14:48	
Feedlot	EDC99-02	E9902119	2	Steer 02	Serum	Primary	7782-49-2	Selenium	0.156	0.005	EDL	ug/g	Wet Wt	1			12/03/99	ICP, Hydride	VGICP_02-17-00	0217SEH	2/14/2000	2/17/2000	14:50	
Feedlot	EDC99-02	E9902120	3	Steer 03	Serum	Primary	7782-49-2	Selenium	0.134	0.005	EDL	ug/g	Wet Wt	1			12/03/99	ICP, Hydride	VGICP_02-17-00	0217SEH	2/14/2000	2/17/2000	14:53	
Feedlot	EDC99-02	E9902121	4	Steer 04	Serum	Primary	7782-49-2	Selenium	0.116	0.005	EDL	ug/g	Wet Wt	1			12/03/99	ICP, Hydride	VGICP_02-17-00	0217SEH	2/14/2000	2/17/2000	14:55	
Feedlot	EDC99-02	E9902122	5	Steer 05	Serum	Primary	7782-49-2	Selenium	0.101	0.005	EDL	ug/g	Wet Wt	1			12/03/99	ICP, Hydride	VGICP_02-17-00	0217SEH	2/14/2000	2/17/2000	14:58	
Feedlot	EDC99-02	E9902123	6	Steer 06	Serum	Primary	7782-49-2	Selenium	0.114	0.005	EDL	ug/g	Wet Wt	1			12/03/99	ICP, Hydride	VGICP_02-17-00	0217SEH	2/14/2000	2/17/2000	15:00	
Feedlot	EDC99-02	E9902124	7	Steer 07	Serum	Primary	7782-49-2	Selenium	0.149	0.005	EDL	ug/g	Wet Wt	1			12/03/99	ICP, Hydride	VGICP_02-17-00	0217SEH	2/14/2000	2/17/2000	15:03	
Feedlot	EDC99-02	E9902125	8	Steer 08	Serum	Primary	7782-49-2	Selenium	0.108	0.005	EDL	ug/g	Wet Wt	1			12/03/99	ICP, Hydride	VGICP_02-17-00	0217SEH	2/14/2000	2/17/2000	15:06	
Feedlot	EDC99-02	E9902126	9	Steer 09	Serum	Primary	7782-49-2	Selenium	0.136	0.005	EDL	ug/g	Wet Wt	1			12/03/99	ICP, Hydride	VGICP_02-17-00	0217SEH	2/14/2000	2/17/2000	15:08	
Feedlot	EDC99-02	E9902127	10	Steer 10	Serum	Primary	7782-49-2	Selenium	0.133	0.005	EDL	ug/g	Wet Wt	1			12/03/99	ICP, Hydride	VGICP_02-17-00	0217SEH	2/14/2000	2/17/2000	15:10	
Feedlot	EDC99-02	E9902127B	Laboratory Blank	NA	Lab QC	Blank	7782-49-2	Selenium	-0.001	0.005	EDL	ug/g	Wet Wt	1			NA	ICP, Hydride	VGICP_02-17-00	0217SEH	2/14/2000	2/17/2000	15:13	
Feedlot	EDC99-02	E9902127CS	Check Standard	NA	Lab QC	CCV	7782-49-2	Selenium	0.05	0.005	EDL	ug/g	Wet Wt	1	0.050	100	NA	ICP, Hydride	VGICP_02-17-00	0217SEH	2/14/2000	2/17/2000	15:15	
Feedlot	EDC99-02	E9902127SR	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.443	0.005	EDL	ug/g	Wet Wt	1	0.446	99	NA	ICP, Hydride	VGICP_02-17-00	0217SEH	2/14/2000	2/17/2000	15:18	
Feedlot	EDC99-02	E9902128	11	Steer 11	Serum	Primary	7782-49-2	Selenium	0.119	0.005	EDL	ug/g	Wet Wt	1			12/03/99	ICP, Hydride	VGICP_02-17-00	0217SEH	2/14/2000	2/17/2000	15:20	
Feedlot	EDC99-02	E9902129	12	Steer 12	Serum	Primary	7782-49-2	Selenium	0.086	0.005	EDL	ug/g	Wet Wt	1			12/03/99	ICP, Hydride	VGICP_02-17-00	0217SEH	2/14/2000	2/17/2000	15:23	
Feedlot	EDC99-02	E9902130	13	Steer 13	Serum	Primary	7782-49-2	Selenium	0.118	0.005	EDL	ug/g	Wet Wt	1			12/03/99	ICP, Hydride	VGICP_02-17-00	0217SEH	2/14/2000	2/17/2000	15:25	
Feedlot	EDC99-02	E9902131	14	Steer 14	Serum	Primary	7782-49-2	Selenium	0.138	0.005	EDL	ug/g	Wet Wt	1			12/03/99	ICP, Hydride	VGICP_02-17-00	0217SEH	2/14/2000	2/17/2000	15:28	
Feedlot	EDC99-02	E9902132	15	Steer 15	Serum	Primary	7782-49-2	Selenium	0.134	0.005	EDL	ug/g	Wet Wt	1			12/03/99	ICP, Hydride	VGICP_02-17-00	0217SEH	2/14/2000	2/17/2000	15:30	
Feedlot	EDC99-02	E9902133	16	Steer 16	Serum	Primary	7782-49-2	Selenium	0.053	0.005	EDL	ug/g	Wet Wt	1			12/03/99	ICP, Hydride	VGICP_02-17-00	0217SEH	2/14/2000	2/17/2000	15:33	
Feedlot	EDC99-02	E9902134	17	Steer 17	Serum	Primary	7782-49-2	Selenium	0.053	0.005	EDL	ug/g	Wet Wt	1			12/03/99	ICP, Hydride	VGICP_02-17-00	0217SEH	2/14/2000	2/17/2000	15:35	
Feedlot	EDC99-02	E9902135	18	Steer 18	Serum	Primary	7782-49-2	Selenium	0.042	0.005	EDL	ug/g	Wet Wt	1			12/03/99	ICP, Hydride	VGICP_02-17-00	0217SEH	2/14/2000	2/17/2000	15:38	
Feedlot	EDC99-02	E9902136	19	Steer 19	Serum	Primary	7782-49-2	Selenium	0.046	0.005	EDL	ug/g	Wet Wt	1			12/03/99	ICP, Hydride	VGICP_02-17-00	0217SEH	2/14/2000	2/17/2000	15:40	
Feedlot	EDC99-02	E9902137	20	Steer 20	Serum	Primary	7782-49-2	Selenium	0.034	0.005	EDL	ug/g	Wet Wt	1			12/03/99	ICP, Hydride	VGICP_02-17-00	0217SEH	2/14/2000	2/17/2000	15:43	
Feedlot	EDC99-02	E9902137SR	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.413	0.005	EDL	ug/g	Wet Wt	1	0.446	93	NA	ICP, Hydride	VGICP_02-17-00	0217SEH	2/14/2000	2/17/2000	15:45	
Feedlot	EDC99-02	E9902137CS	Check Standard	NA	Lab QC	CCV	7782-49-2	Selenium	0.047	0.005	EDL	ug/g	Wet Wt	1	0.050	94	NA	ICP, Hydride	VGICP_02-17-00	0217SEH	2/14/2000	2/17/2000	15:48	
Feedlot	EDC99-02	E9902137B	Laboratory Blank	NA	Lab QC	Blank	7782-49-2	Selenium	-0.001	0.005	EDL	ug/g	Wet Wt	1			NA	ICP, Hydride	VGICP_02-17-00	0217SEH	2/14/2000	2/17/2000	15:50	
Feedlot	EDC99-02	7140	Check Standard	NA	Lab QC	CCV	7440-66-6	Zinc	1.21	0.08	EDL	ug/g	Wet Wt	1	1.3	93	NA	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	12:33	
Feedlot	EDC99-02	7140	Check Standard	NA	Lab QC	CCV	7723-14-0	Phosphorus	64.2	2	EDL	ug/g	Wet Wt	1	83.8	77	NA	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	12:33	
Feedlot	EDC99-02	7140	Check Standard	NA	Lab QC	CCV	7439-89-6	Iron	2.12	0.22	EDL	ug/g	Wet Wt	1	1.70	125	NA	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	12:33	
Feedlot	EDC99-02	7140	Check Standard	NA	Lab QC	CCV	7439-95-4	Magnesium	20.3	0.04	EDL	ug/g	Wet Wt	1	24.6	83	NA	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	12:33	
Feedlot	EDC99-02	7140	Check Standard	NA	Lab QC	CCV	7440-50-8	Copper	1.08	0.07	EDL	ug/g	Wet Wt	1	1.33	81	NA	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	12:33	
Feedlot	EDC99-02	7140	Check Standard	NA	Lab QC	CCV	7440-70-2	Calcium	97.4	0.07	EDL	ug/g	Wet Wt	1	109	89	NA	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	12:33	
Feedlot	EDC99-02	E9902118	1	Steer 01	Serum	Primary	7440-66-6	Zinc	1.2	0.08	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	12:36	
Feedlot	EDC99-02	E9902118	1	Steer 01	Serum	Primary	7723-14-0	phosphorus	80	2	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	12:36	
Feedlot	EDC99-02	E9902118	1	Steer 01	Serum	Primary	7439-89-6	Iron	2.8	0.22	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	12:36	
Feedlot	EDC99-02	E9902118	1	Steer 01	Serum	Primary	7439-95-4	Magnesium	22	0.04	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	12:36	
Feedlot	EDC99-02	E9902118	1	Steer 01	Serum	Primary	7440-50-8	Copper	0.6	0.07	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	12:36	
Feedlot	EDC99-02	E9902118	1	Steer 01	Serum	Primary	7440-70-2	Calcium	121	0.07	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	12:36	
Feedlot	EDC99-02	E9902119	2	Steer 02	Serum	Primary	7440-66-6	Zinc	1.1	0.08	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	12:39	
Feedlot	EDC99-02	E9902119	2	Steer 02	Serum	Primary	7723-14-0	phosphorus	85	2	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	12:39	
Feedlot	EDC99-02	E9902119	2	Steer 02	Serum	Primary	7439-89-6	Iron	2.2	0.22	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	12:39	
Feedlot	EDC99-02	E9902119	2	Steer 02	Serum	Primary	7439-95-4	Magnesium	22	0.04	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	12:39	
Feedlot	EDC99-02	E9902119	2	Steer 02	Serum	Primary	7440-50-8	Copper	0.55	0.07	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	12:39	
Feedlot	EDC99-02	E9902119	2	Steer 02	Serum	Primary	7440-70-2	Calcium	117	0.07	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	12:39	
Feedlot	EDC99-02	E9902120	3	Steer 03	Serum	Primary	7440-66-6	Zinc	1.1	0.08	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	12:42	

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Feedlot	EDC99-02	E9902120	3	Steer 03	Serum	Primary	7723-14-0	phosphorus	90	2	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	12:42	
Feedlot	EDC99-02	E9902120	3	Steer 03	Serum	Primary	7439-89-6	Iron	2.8	0.22	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	12:42	
Feedlot	EDC99-02	E9902120	3	Steer 03	Serum	Primary	7439-95-4	Magnesium	37	0.04	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	12:42	
Feedlot	EDC99-02	E9902120	3	Steer 03	Serum	Primary	7440-50-8	Copper	0.64	0.07	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	12:42	
Feedlot	EDC99-02	E9902120	3	Steer 03	Serum	Primary	7440-70-2	Calcium	118	0.07	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	12:42	
Feedlot	EDC99-02	E9902121	4	Steer 04	Serum	Primary	7440-66-6	Zinc	1.1	0.08	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	12:45	
Feedlot	EDC99-02	E9902121	4	Steer 04	Serum	Primary	7723-14-0	phosphorus	71	2	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	12:45	
Feedlot	EDC99-02	E9902121	4	Steer 04	Serum	Primary	7439-89-6	Iron	1.8	0.22	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	12:45	
Feedlot	EDC99-02	E9902121	4	Steer 04	Serum	Primary	7439-95-4	Magnesium	23	0.04	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	12:45	
Feedlot	EDC99-02	E9902121	4	Steer 04	Serum	Primary	7440-50-8	Copper	0.98	0.07	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	12:45	
Feedlot	EDC99-02	E9902121	4	Steer 04	Serum	Primary	7440-70-2	Calcium	106	0.07	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	12:45	
Feedlot	EDC99-02	E9902122	5	Steer 05	Serum	Primary	7440-66-6	Zinc	0.82	0.08	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	12:48	
Feedlot	EDC99-02	E9902122	5	Steer 05	Serum	Primary	7723-14-0	phosphorus	82	2	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	12:48	
Feedlot	EDC99-02	E9902122	5	Steer 05	Serum	Primary	7439-89-6	Iron	2.5	0.22	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	12:48	
Feedlot	EDC99-02	E9902122	5	Steer 05	Serum	Primary	7439-95-4	Magnesium	23	0.04	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	12:48	
Feedlot	EDC99-02	E9902122	5	Steer 05	Serum	Primary	7440-50-8	Copper	0.9	0.07	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	12:48	
Feedlot	EDC99-02	E9902122	5	Steer 05	Serum	Primary	7440-70-2	Calcium	109	0.07	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	12:48	
Feedlot	EDC99-02	E9902123	6	Steer 06	Serum	Primary	7440-66-6	Zinc	1.2	0.08	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	12:51	
Feedlot	EDC99-02	E9902123	6	Steer 06	Serum	Primary	7723-14-0	phosphorus	81	2	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	12:51	
Feedlot	EDC99-02	E9902123	6	Steer 06	Serum	Primary	7439-89-6	Iron	2.7	0.22	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	12:51	
Feedlot	EDC99-02	E9902123	6	Steer 06	Serum	Primary	7439-95-4	Magnesium	23	0.04	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	12:51	
Feedlot	EDC99-02	E9902123	6	Steer 06	Serum	Primary	7440-50-8	Copper	0.68	0.07	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	12:51	
Feedlot	EDC99-02	E9902123	6	Steer 06	Serum	Primary	7440-70-2	Calcium	107	0.07	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	12:51	
Feedlot	EDC99-02	E9902124	7	Steer 07	Serum	Primary	7440-66-6	Zinc	1.1	0.08	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	12:54	
Feedlot	EDC99-02	E9902124	7	Steer 07	Serum	Primary	7723-14-0	phosphorus	69	2	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	12:54	
Feedlot	EDC99-02	E9902124	7	Steer 07	Serum	Primary	7439-89-6	Iron	2.1	0.22	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	12:54	
Feedlot	EDC99-02	E9902124	7	Steer 07	Serum	Primary	7439-95-4	Magnesium	25	0.04	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	12:54	
Feedlot	EDC99-02	E9902124	7	Steer 07	Serum	Primary	7440-50-8	Copper	0.57	0.07	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	12:54	
Feedlot	EDC99-02	E9902124	7	Steer 07	Serum	Primary	7440-70-2	Calcium	115	0.07	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	12:54	
Feedlot	EDC99-02	E9902125	8	Steer 08	Serum	Primary	7440-66-6	Zinc	1	0.08	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	12:57	
Feedlot	EDC99-02	E9902125	8	Steer 08	Serum	Primary	7723-14-0	phosphorus	81	2	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	12:57	
Feedlot	EDC99-02	E9902125	8	Steer 08	Serum	Primary	7439-89-6	Iron	2.6	0.22	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	12:57	
Feedlot	EDC99-02	E9902125	8	Steer 08	Serum	Primary	7439-95-4	Magnesium	25	0.04	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	12:57	
Feedlot	EDC99-02	E9902125	8	Steer 08	Serum	Primary	7440-50-8	Copper	0.69	0.07	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	12:57	
Feedlot	EDC99-02	E9902125	8	Steer 08	Serum	Primary	7440-70-2	Calcium	115	0.07	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	12:57	
Feedlot	EDC99-02	E9902126	9	Steer 09	Serum	Primary	7440-66-6	Zinc	0.93	0.08	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:00	
Feedlot	EDC99-02	E9902126	9	Steer 09	Serum	Primary	7723-14-0	phosphorus	78	2	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:00	
Feedlot	EDC99-02	E9902126	9	Steer 09	Serum	Primary	7439-89-6	Iron	2.4	0.22	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:00	
Feedlot	EDC99-02	E9902126	9	Steer 09	Serum	Primary	7439-95-4	Magnesium	25	0.04	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:00	
Feedlot	EDC99-02	E9902126	9	Steer 09	Serum	Primary	7440-50-8	Copper	0.7	0.07	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:00	
Feedlot	EDC99-02	E9902126	9	Steer 09	Serum	Primary	7440-70-2	Calcium	106	0.07	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:00	
Feedlot	EDC99-02	7140-1	Check Standard	NA	Lab QC	CCV	7440-66-6	Zinc	1.41	0.08	EDL	ug/g	Wet Wt	1	1.3	108	NA	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:03	
Feedlot	EDC99-02	7140-1	Check Standard	NA	Lab QC	CCV	7723-14-0	Phosphorus	75.2	2	EDL	ug/g	Wet Wt	1	83.8	90	NA	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:03	
Feedlot	EDC99-02	7140-1	Check Standard	NA	Lab QC	CCV	7439-89-6	Iron	2.14	0.22	EDL	ug/g	Wet Wt	1	1.70	126	NA	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:03	
Feedlot	EDC99-02	7140-1	Check Standard	NA	Lab QC	CCV	7439-95-4	Magnesium	23.5	0.04	EDL	ug/g	Wet Wt	1	24.6	96	NA	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:03	
Feedlot	EDC99-02	7140-1	Check Standard	NA	Lab QC	CCV	7440-50-8	Copper	1.21	0.07	EDL	ug/g	Wet Wt	1	1.33	91	NA	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:03	
Feedlot	EDC99-02	7140-1	Check Standard	NA	Lab QC	CCV	7440-70-2	Calcium	110	0.07	EDL	ug/g	Wet Wt	1	109	101	NA	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:03	
Feedlot	EDC99-02	E9902127	10	Steer 10	Serum	Primary	7440-66-6	Zinc	1.3	0.08	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:05	
Feedlot	EDC99-02	E9902127	10	Steer 10	Serum	Primary	7723-14-0	phosphorus	86	2	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:05	
Feedlot	EDC99-02	E9902127	10	Steer 10	Serum	Primary	7439-89-6	Iron	2.7	0.22	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:05	
Feedlot	EDC99-02	E9902127	10	Steer 10	Serum	Primary	7439-95-4	Magnesium	22	0.04	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:05	
Feedlot	EDC99-02	E9902127	10	Steer 10	Serum	Primary	7440-50-8	Copper	0.99	0.07	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:05	
Feedlot	EDC99-02	E9902127	10	Steer 10	Serum	Primary	7440-70-2	Calcium	116	0.07	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:05	
Feedlot	EDC99-02	E9902127D	10	Steer 10	Serum	Primary	7440-66-6	Zinc		0.08	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:08	
Feedlot	EDC99-02	E9902127D	10	Steer 10	Serum	Primary	7723-14-0	phosphorus		2	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:08	
Feedlot	EDC99-02	E9902127D	10	Steer 10	Serum	Primary	7439-89-6	Iron		0.22	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:08	
Feedlot	EDC99-02	E9902127D	10	Steer 10	Serum	Primary	7439-95-4	Magnesium		0.04	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:08	
Feedlot	EDC99-02	E9902127D	10	Steer 10	Serum	Primary	7440-50-8	Copper		0.07	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:08	

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Feedlot	EDC99-02	E9902127D	10	Steer 10	Serum	Primary	7440-70-2	Calcium		0.07	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:08	
Feedlot	EDC99-02	E9902128	11	Steer 11	Serum	Primary	7440-66-6	Zinc	0.87	0.08	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:11	
Feedlot	EDC99-02	E9902128	11	Steer 11	Serum	Primary	7723-14-0	phosphorus	84	2	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:11	
Feedlot	EDC99-02	E9902128	11	Steer 11	Serum	Primary	7439-89-6	Iron	3	0.22	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:11	
Feedlot	EDC99-02	E9902128	11	Steer 11	Serum	Primary	7439-95-4	Magnesium	25	0.04	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:11	
Feedlot	EDC99-02	E9902128	11	Steer 11	Serum	Primary	7440-50-8	Copper	0.83	0.07	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:11	
Feedlot	EDC99-02	E9902128	11	Steer 11	Serum	Primary	7440-70-2	Calcium	103	0.07	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:11	
Feedlot	EDC99-02	E9902129	12	Steer 12	Serum	Primary	7440-66-6	Zinc	1.2	0.08	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:14	
Feedlot	EDC99-02	E9902129	12	Steer 12	Serum	Primary	7723-14-0	phosphorus	98	2	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:14	
Feedlot	EDC99-02	E9902129	12	Steer 12	Serum	Primary	7439-89-6	Iron	3.8	0.22	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:14	
Feedlot	EDC99-02	E9902129	12	Steer 12	Serum	Primary	7439-95-4	Magnesium	27	0.04	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:14	
Feedlot	EDC99-02	E9902129	12	Steer 12	Serum	Primary	7440-50-8	Copper	0.84	0.07	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:14	
Feedlot	EDC99-02	E9902129	12	Steer 12	Serum	Primary	7440-70-2	Calcium	114	0.07	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:14	
Feedlot	EDC99-02	E9902130	13	Steer 13	Serum	Primary	7440-66-6	Zinc	0.84	0.08	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:17	
Feedlot	EDC99-02	E9902130	13	Steer 13	Serum	Primary	7723-14-0	phosphorus	63	2	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:17	
Feedlot	EDC99-02	E9902130	13	Steer 13	Serum	Primary	7439-89-6	Iron	2.1	0.22	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:17	
Feedlot	EDC99-02	E9902130	13	Steer 13	Serum	Primary	7439-95-4	Magnesium	19	0.04	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:17	
Feedlot	EDC99-02	E9902130	13	Steer 13	Serum	Primary	7440-50-8	Copper	0.68	0.07	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:17	
Feedlot	EDC99-02	E9902130	13	Steer 13	Serum	Primary	7440-70-2	Calcium	104	0.07	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:17	
Feedlot	EDC99-02	E9902131	14	Steer 14	Serum	Primary	7440-66-6	Zinc	1.1	0.08	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:20	
Feedlot	EDC99-02	E9902131	14	Steer 14	Serum	Primary	7723-14-0	phosphorus	74	2	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:20	
Feedlot	EDC99-02	E9902131	14	Steer 14	Serum	Primary	7439-89-6	Iron	2.2	0.22	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:20	
Feedlot	EDC99-02	E9902131	14	Steer 14	Serum	Primary	7439-95-4	Magnesium	27	0.04	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:20	
Feedlot	EDC99-02	E9902131	14	Steer 14	Serum	Primary	7440-50-8	Copper	0.74	0.07	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:20	
Feedlot	EDC99-02	E9902131	14	Steer 14	Serum	Primary	7440-70-2	Calcium	114	0.07	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:20	
Feedlot	EDC99-02	E9902132	15	Steer 15	Serum	Primary	7440-66-6	Zinc	1.1	0.08	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:23	
Feedlot	EDC99-02	E9902132	15	Steer 15	Serum	Primary	7723-14-0	phosphorus	84	2	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:23	
Feedlot	EDC99-02	E9902132	15	Steer 15	Serum	Primary	7439-89-6	Iron	2.6	0.22	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:23	
Feedlot	EDC99-02	E9902132	15	Steer 15	Serum	Primary	7439-95-4	Magnesium	26	0.04	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:23	
Feedlot	EDC99-02	E9902132	15	Steer 15	Serum	Primary	7440-50-8	Copper	0.77	0.07	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:23	
Feedlot	EDC99-02	E9902132	15	Steer 15	Serum	Primary	7440-70-2	Calcium	112	0.07	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:23	
Feedlot	EDC99-02	E9902133	16	Steer 16	Serum	Primary	7440-66-6	Zinc	0.87	0.08	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:26	
Feedlot	EDC99-02	E9902133	16	Steer 16	Serum	Primary	7723-14-0	phosphorus	76	2	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:26	
Feedlot	EDC99-02	E9902133	16	Steer 16	Serum	Primary	7439-89-6	Iron	1.6	0.22	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:26	
Feedlot	EDC99-02	E9902133	16	Steer 16	Serum	Primary	7439-95-4	Magnesium	25	0.04	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:26	
Feedlot	EDC99-02	E9902133	16	Steer 16	Serum	Primary	7440-50-8	Copper	0.81	0.07	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:26	
Feedlot	EDC99-02	E9902133	16	Steer 16	Serum	Primary	7440-70-2	Calcium	109	0.07	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:26	
Feedlot	EDC99-02	E9902134	17	Steer 17	Serum	Primary	7440-66-6	Zinc	1	0.08	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:29	
Feedlot	EDC99-02	E9902134	17	Steer 17	Serum	Primary	7723-14-0	phosphorus	84	2	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:29	
Feedlot	EDC99-02	E9902134	17	Steer 17	Serum	Primary	7439-89-6	Iron	2.1	0.22	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:29	
Feedlot	EDC99-02	E9902134	17	Steer 17	Serum	Primary	7439-95-4	Magnesium	21	0.04	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:29	
Feedlot	EDC99-02	E9902134	17	Steer 17	Serum	Primary	7440-50-8	Copper	1.1	0.07	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:29	
Feedlot	EDC99-02	E9902134	17	Steer 17	Serum	Primary	7440-70-2	Calcium	113	0.07	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:29	
Feedlot	EDC99-02	E9902135	18	Steer 18	Serum	Primary	7440-66-6	Zinc	1.3	0.08	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:32	
Feedlot	EDC99-02	E9902135	18	Steer 18	Serum	Primary	7723-14-0	phosphorus	90	2	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:32	
Feedlot	EDC99-02	E9902135	18	Steer 18	Serum	Primary	7439-89-6	Iron	3.2	0.22	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:32	
Feedlot	EDC99-02	E9902135	18	Steer 18	Serum	Primary	7439-95-4	Magnesium	24	0.04	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:32	
Feedlot	EDC99-02	E9902135	18	Steer 18	Serum	Primary	7440-50-8	Copper	0.91	0.07	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:32	
Feedlot	EDC99-02	E9902135	18	Steer 18	Serum	Primary	7440-70-2	Calcium	117	0.07	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:32	
Feedlot	EDC99-02	E9902136	19	Steer 19	Serum	Primary	7440-66-6	Zinc	1.1	0.08	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:35	
Feedlot	EDC99-02	E9902136	19	Steer 19	Serum	Primary	7723-14-0	phosphorus	79	2	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:35	
Feedlot	EDC99-02	E9902136	19	Steer 19	Serum	Primary	7439-89-6	Iron	3.1	0.22	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:35	
Feedlot	EDC99-02	E9902136	19	Steer 19	Serum	Primary	7439-95-4	Magnesium	25	0.04	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:35	
Feedlot	EDC99-02	E9902136	19	Steer 19	Serum	Primary	7440-50-8	Copper	0.86	0.07	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:35	
Feedlot	EDC99-02	E9902136	19	Steer 19	Serum	Primary	7440-70-2	Calcium	118	0.07	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:35	
Feedlot	EDC99-02	E9902137	20	Steer 20	Serum	Primary	7440-66-6	Zinc	1.2	0.08	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:38	
Feedlot	EDC99-02	E9902137	20	Steer 20	Serum	Primary	7723-14-0	phosphorus	86	2	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:38	
Feedlot	EDC99-02	E9902137	20	Steer 20	Serum	Primary	7439-89-6	Iron	2.7	0.22	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:38	

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Feedlot	EDC99-02	E9902137	20	Steer 20	Serum	Primary	7439-95-4	Magnesium	25	0.04	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:38	
Feedlot	EDC99-02	E9902137	20	Steer 20	Serum	Primary	7440-50-8	Copper	0.65	0.07	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:38	
Feedlot	EDC99-02	E9902137	20	Steer 20	Serum	Primary	7440-70-2	Calcium	112	0.07	EDL	ug/g	Wet Wt	1			12/03/99	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:38	
Feedlot	EDC99-02	7140-2	Check Standard	NA	Lab QC	CCV	7440-66-6	Zinc	1.31	0.08	EDL	ug/g	Wet Wt	1	1.3	101	NA	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:44	
Feedlot	EDC99-02	7140-2	Check Standard	NA	Lab QC	CCV	7723-14-0	Phosphorus	69.5	2	EDL	ug/g	Wet Wt	1	83.8	83	NA	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:44	
Feedlot	EDC99-02	7140-2	Check Standard	NA	Lab QC	CCV	7439-89-6	Iron	2.26	0.22	EDL	ug/g	Wet Wt	1	1.70	133	NA	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:44	
Feedlot	EDC99-02	7140-2	Check Standard	NA	Lab QC	CCV	7439-95-4	Magnesium	22.3	0.04	EDL	ug/g	Wet Wt	1	24.6	91	NA	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:44	
Feedlot	EDC99-02	7140-2	Check Standard	NA	Lab QC	CCV	7440-50-8	Copper	1.15	0.07	EDL	ug/g	Wet Wt	1	1.33	86	NA	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:44	
Feedlot	EDC99-02	7140-2	Check Standard	NA	Lab QC	CCV	7440-70-2	Calcium	104	0.07	EDL	ug/g	Wet Wt	1	109	95	NA	ICP - TES	TESICP_01-25-00	0114TES2	1/11/2000	1/26/2000	13:44	
Feedlot	EDC99-04	E9902144B	Laboratory Blank	NA	Lab QC	Blank	7782-49-2	Selenium	-0.00119	0.005	EDL	ug/g	Wet Wt	1			NA	ICP, Hydride	VGICP_01-25-00	0125SEMW	1/10/2000	1/25/2000	13:38	
Feedlot	EDC99-04	E9902144CS	Check Standard	NA	Lab QC	CCV	7782-49-2	Selenium	0.308	0.005	EDL	ug/g	Wet Wt	1	0.3	103	NA	ICP, Hydride	VGICP_01-25-00	0125SEMW	1/10/2000	1/25/2000	13:41	
Feedlot	EDC99-04	E9902144SR	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.494	0.005	EDL	ug/g	Wet Wt	1	0.446	111	NA	ICP, Hydride	VGICP_01-25-00	0125SEMW	1/10/2000	1/25/2000	13:44	
Feedlot	EDC99-04	E9902144	1	Steer 01	Blood	Primary	7782-49-2	Selenium	0.467	0.005	EDL	ug/g	Wet Wt	1			12/17/99	ICP, Hydride	VGICP_01-25-00	0125SEMW	1/10/2000	1/25/2000	13:47	
Feedlot	EDC99-04	E9902145	2	Steer 02	Blood	Primary	7782-49-2	Selenium	0.865	0.005	EDL	ug/g	Wet Wt	1			12/17/99	ICP, Hydride	VGICP_01-25-00	0125SEMW	1/10/2000	1/25/2000	13:50	
Feedlot	EDC99-04	E9902146a	3	Steer 03	Blood	Primary	7782-49-2	Selenium	1.1	0.005	EDL	ug/g	Wet Wt	1			12/17/99	ICP, Hydride	VGICP_01-25-00	0125SEMW	1/10/2000	1/25/2000	13:53	
Feedlot	EDC99-04	E9902147	4	Steer 04	Blood	Primary	7782-49-2	Selenium	0.555	0.005	EDL	ug/g	Wet Wt	1			12/17/99	ICP, Hydride	VGICP_01-25-00	0125SEMW	1/10/2000	1/25/2000	13:56	
Feedlot	EDC99-04	E9902148	5	Steer 05	Blood	Primary	7782-49-2	Selenium	0.553	0.005	EDL	ug/g	Wet Wt	1			12/17/99	ICP, Hydride	VGICP_01-25-00	0125SEMW	1/10/2000	1/25/2000	13:59	
Feedlot	EDC99-04	E9902149	6	Steer 06	Blood	Primary	7782-49-2	Selenium	0.83	0.005	EDL	ug/g	Wet Wt	1			12/17/99	ICP, Hydride	VGICP_01-25-00	0125SEMW	1/10/2000	1/25/2000	14:02	
Feedlot	EDC99-04	E9902150	7	Steer 07	Blood	Primary	7782-49-2	Selenium	0.528	0.005	EDL	ug/g	Wet Wt	1			12/17/99	ICP, Hydride	VGICP_01-25-00	0125SEMW	1/10/2000	1/25/2000	14:05	
Feedlot	EDC99-04	E9902150D	7	Steer 07	Blood	ıb Duplica	7782-49-2	Selenium	0.531	0.005	EDL	ug/g	Wet Wt	1			12/17/99	ICP, Hydride	VGICP_01-25-00	0125SEMW	1/10/2000	1/25/2000	14:08	
Feedlot	EDC99-04	E9902150SR	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.475	0.005	EDL	ug/g	Wet Wt	1	0.446	107	NA	ICP, Hydride	VGICP_01-25-00	0125SEMW	1/10/2000	1/25/2000	14:10	
Feedlot	EDC99-04	E9902151	8	Steer 08	Blood	Primary	7782-49-2	Selenium	0.258	0.005	EDL	ug/g	Wet Wt	1			12/17/99	ICP, Hydride	VGICP_01-25-00	0125SEMW	1/10/2000	1/25/2000	14:13	
Feedlot	EDC99-04	E9902152	9	Steer 09	Blood	Primary	7782-49-2	Selenium	0.609	0.005	EDL	ug/g	Wet Wt	1			12/17/99	ICP, Hydride	VGICP_01-25-00	0125SEMW	1/10/2000	1/25/2000	14:16	
Feedlot	EDC99-04	E9902153	10	Steer 10	Blood	Primary	7782-49-2	Selenium	0.491	0.005	EDL	ug/g	Wet Wt	1			12/17/99	ICP, Hydride	VGICP_01-25-00	0125SEMW	1/10/2000	1/25/2000	14:19	
Feedlot	EDC99-04	E9902154	11	Steer 11	Blood	Primary	7782-49-2	Selenium	0.294	0.005	EDL	ug/g	Wet Wt	1			12/17/99	ICP, Hydride	VGICP_01-25-00	0125SEMW	1/10/2000	1/25/2000	14:22	
Feedlot	EDC99-04	E9902155	12	Steer 12	Blood	Primary	7782-49-2	Selenium	0.403	0.005	EDL	ug/g	Wet Wt	1			12/17/99	ICP, Hydride	VGICP_01-25-00	0125SEMW	1/10/2000	1/25/2000	14:25	
Feedlot	EDC99-04	E9902156	13	Steer 13	Blood	Primary	7782-49-2	Selenium	0.425	0.005	EDL	ug/g	Wet Wt	1			12/17/99	ICP, Hydride	VGICP_01-25-00	0125SEMW	1/10/2000	1/25/2000	14:28	
Feedlot	EDC99-04	E9902157	14	Steer 14	Blood	Primary	7782-49-2	Selenium	0.504	0.005	EDL	ug/g	Wet Wt	1			12/17/99	ICP, Hydride	VGICP_01-25-00	0125SEMW	1/10/2000	1/25/2000	14:30	
Feedlot	EDC99-04	E9902158	15	Steer 15	Blood	Primary	7782-49-2	Selenium	0.419	0.005	EDL	ug/g	Wet Wt	1			12/17/99	ICP, Hydride	VGICP_01-25-00	0125SEMW	1/10/2000	1/25/2000	14:33	
Feedlot	EDC99-04	E9902159	16	Steer 16	Blood	Primary	7782-49-2	Selenium	0.174	0.005	EDL	ug/g	Wet Wt	1			12/17/99	ICP, Hydride	VGICP_01-25-00	0125SEMW	1/10/2000	1/25/2000	14:36	
Feedlot	EDC99-04	E9902160	17	Steer 17	Blood	Primary	7782-49-2	Selenium	0.113	0.005	EDL	ug/g	Wet Wt	1			12/17/99	ICP, Hydride	VGICP_01-25-00	0125SEMW	1/10/2000	1/25/2000	14:39	
Feedlot	EDC99-04	E9902160D	17	Steer 17	Blood	ıb Duplica	7782-49-2	Selenium	0.108	0.005	EDL	ug/g	Wet Wt	1			12/17/99	ICP, Hydride	VGICP_01-25-00	0125SEMW	1/10/2000	1/25/2000	14:42	
Feedlot	EDC99-04	E9902161	18	Steer 18	Blood	Primary	7782-49-2	Selenium	0.135	0.005	EDL	ug/g	Wet Wt	1			12/17/99	ICP, Hydride	VGICP_01-25-00	0125SEMW	1/10/2000	1/25/2000	14:45	
Feedlot	EDC99-04	E9902162	19	Steer 19	Blood	Primary	7782-49-2	Selenium	0.117	0.005	EDL	ug/g	Wet Wt	1			12/17/99	ICP, Hydride	VGICP_01-25-00	0125SEMW	1/10/2000	1/25/2000	14:48	
Feedlot	EDC99-04	E9902163	20	Steer 20	Blood	Primary	7782-49-2	Selenium	0.086	0.005	EDL	ug/g	Wet Wt	1			12/17/99	ICP, Hydride	VGICP_01-25-00	0125SEMW	1/10/2000	1/25/2000	14:50	
Feedlot	EDC99-04	E9902163SR	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.471	0.005	EDL	ug/g	Wet Wt	1	0.446	106	NA	ICP, Hydride	VGICP_01-25-00	0125SEMW	1/10/2000	1/25/2000	14:53	
Feedlot	EDC99-04	E9902164CS	Check Standard	NA	Lab QC	CCV	7782-49-2	Selenium	0.049	0.005	EDL	ug/g	Wet Wt	1	0.050	98	NA	ICP, Hydride	VGICP_02-23-00B	0224SEH	2/17/2000	2/23/2000	13:09	
Feedlot	EDC99-04	E9902164B	Laboratory Blank	NA	Lab QC	Blank	7782-49-2	Selenium	-0.0007	0.005	EDL	ug/g	Wet Wt	1			NA	ICP, Hydride	VGICP_02-23-00B	0224SEH	2/17/2000	2/23/2000	13:13	
Feedlot	EDC99-04	E9902164SR	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.467	0.005	EDL	ug/g	Wet Wt	1	0.446	105	NA	ICP, Hydride	VGICP_02-23-00B	0224SEH	2/17/2000	2/23/2000	13:17	
Feedlot	EDC99-04	E9902164	1	Steer 01	Serum	Primary	7782-49-2	Selenium	0.104	0.005	EDL	ug/g	Wet Wt	1			12/17/99	ICP, Hydride	VGICP_02-23-00B	0224SEH	2/17/2000	2/23/2000	13:20	
Feedlot	EDC99-04	E9902165	2	Steer 02	Serum	Primary	7782-49-2	Selenium	0.153	0.005	EDL	ug/g	Wet Wt	1			12/17/99	ICP, Hydride	VGICP_02-23-00B	0224SEH	2/17/2000	2/23/2000	13:23	
Feedlot	EDC99-04	E9902166	3	Steer 03	Serum	Primary	7782-49-2	Selenium	0.126	0.005	EDL	ug/g	Wet Wt	1			12/17/99	ICP, Hydride	VGICP_02-23-00B	0224SEH	2/17/2000	2/23/2000	13:25	
Feedlot	EDC99-04	E9902167	4	Steer 04	Serum	Primary	7782-49-2	Selenium	0.112	0.005	EDL	ug/g	Wet Wt	1			12/17/99	ICP, Hydride	VGICP_02-23-00B	0224SEH	2/17/2000	2/23/2000	13:28	
Feedlot	EDC99-04	E9902168	5	Steer 05	Serum	Primary	7782-49-2	Selenium	0.102	0.005	EDL	ug/g	Wet Wt	1			12/17/99	ICP, Hydride	VGICP_02-23-00B	0224SEH	2/17/2000	2/23/2000	13:31	
Feedlot	EDC99-04	E9902169	6	Steer 06	Serum	Primary	7782-49-2	Selenium	0.114	0.005	EDL	ug/g	Wet Wt	1			12/17/99	ICP, Hydride	VGICP_02-23-00B	0224SEH	2/17/2000	2/23/2000	13:34	
Feedlot	EDC99-04	E9902170	7	Steer 07	Serum	Primary	7782-49-2	Selenium	0.161	0.005	EDL	ug/g	Wet Wt	1			12/17/99	ICP, Hydride	VGICP_02-23-00B	0224SEH	2/17/2000	2/23/2000	13:37	
Feedlot	EDC99-04	E9902171	8	Steer 08	Serum	Primary	7782-49-2	Selenium	0.109	0.005	EDL	ug/g	Wet Wt	1			12/17/99	ICP, Hydride	VGICP_02-23-00B	0224SEH	2/17/2000	2/23/2000	13:40	
Feedlot	EDC99-04	E9902172	9	Steer 09	Serum	Primary	7782-49-2	Selenium	0.135	0.005	EDL	ug/g	Wet Wt	1			12/17/99	ICP, Hydride	VGICP_02-23-00B	0224SEH	2/17/2000	2/23/2000	13:43	
Feedlot	EDC99-04	E9902173	10	Steer 10	Serum	Primary	7782-49-2	Selenium	0.145	0.005	EDL	ug/g	Wet Wt	1			12/17/99	ICP, Hydride	VGICP_02-23-00B	0224SEH	2/17/2000	2/23/2000	13:45	
Feedlot	EDC99-04	E9902174	11	Steer 11	Serum	Primary	7782-49-2	Selenium	0.125	0.005	EDL	ug/g	Wet Wt	1			12/17/99	ICP, Hydride	VGICP_02-23-00B	0224SEH	2/17/2000	2/23/2000	13:48	
Feedlot	EDC99-04	E9902175	12	Steer 12	Serum	Primary	7782-49-2	Selenium	0.119	0.005	EDL	ug/g	Wet Wt	1			12/17/99	ICP, Hydride	VGICP_02-23-00B	0224SEH	2/17/2000	2/23/2000	13:51	
Feedlot	EDC99-04	E9902175SR	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.425	0.005	EDL	ug/g	Wet Wt	1	0.446	95	NA	ICP, Hydride	VGICP_02-23-00B	0224SEH	2/17/2000	2/23/2000	13:54	
Feedlot	EDC99-04	E9902176	13	Steer 13	Serum	Primary	7782-49-2	Selenium	0.125	0.005	EDL	ug/g	Wet Wt	1			12/17/99	ICP, Hydride	VGICP_02-23-00B	0224SEH	2/17/2000	2/23/2000	13:57	
Feedlot	EDC99-04	E9902177	14	Steer 14	Serum	Primary	7782-49-2	Selenium	0.138	0.005	EDL	ug/g	Wet Wt	1			12/17/99	ICP, Hydride	VGICP_02-23-00B	0224SEH	2/17/2000	2/23/2000	14:00	
Feedlot	EDC99-04	E9902178	15	Steer 15	Serum	Primary	7782-49-2	Selenium	0.131	0.005	EDL	ug/g	Wet Wt	1			12/17/99	ICP, Hydride	VGICP_02-23-00B	0224SEH	2/17/2000	2/23/2000	14:03	
Feedlot	EDC99-04	E9902179	16	Steer 16	Serum	Primary	7782-49-2	Selenium	0.06	0.005	EDL	ug/g	Wet Wt	1			12/17/99	ICP, Hydride	VGICP_02-23-00B	0224SEH	2/17/2000	2/23/2000	14:05	
Feedlot	EDC99-04	E9902180	17	Steer 17	Serum	Primary	7782-49-2	Selenium	0.067	0.005	EDL	ug/g	Wet Wt	1			12/17/99	ICP, Hydride	VGICP_02-23-00B	0224SEH	2/17/2000	2/23/2000	14:08	
Feedlot	EDC99-04	E9902181	18	Steer 18	Serum	Primary	7782-49-2	Selenium	0.064	0.005	EDL	ug/g	Wet Wt	1			12/17/99	ICP, Hydride	VGICP_02-23-00B	0224SEH	2/17/2000	2/23/2000	14:11	

ATTACHMENT A
MWH EDD - 1999 - 2000 CATTLE TISSUE AND BLOOD DATA

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Feedlot	EDC99-04	E9902182	19	Steer 19	Serum	Primary	7782-49-2	Selenium	0.065	0.005	EDL	ug/g	Wet Wt	1			12/17/99	ICP, Hydride	VGICP_02-23-00B	0224SEH	2/17/2000	2/23/2000	14:14	
Feedlot	EDC99-04	E9902183	20	Steer 20	Serum	Primary	7782-49-2	Selenium	0.049	0.005	EDL	ug/g	Wet Wt	1			12/17/99	ICP, Hydride	VGICP_02-23-00B	0224SEH	2/17/2000	2/23/2000	14:17	
Feedlot	EDC99-04	E9902183	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.463	0.005	EDL	ug/g	Wet Wt	1	0.446	104	NA	ICP, Hydride	VGICP_02-23-00B	0224SEH	2/17/2000	2/23/2000	14:20	
Feedlot	EDC99-04	7140-1	Check Standard	NA	Lab QC	CCV	7440-66-6	Zinc	1.25	0.08	EDL	ug/g	Wet Wt	1	1.3	96	NA	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:13	
Feedlot	EDC99-04	7140-1	Check Standard	NA	Lab QC	CCV	7723-14-0	Phosphorus	72.9	2	EDL	ug/g	Wet Wt	1	83.8	87	NA	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:13	
Feedlot	EDC99-04	7140-1	Check Standard	NA	Lab QC	CCV	7439-89-6	Iron	1.87	0.22	EDL	ug/g	Wet Wt	1	1.70	110	NA	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:13	
Feedlot	EDC99-04	7140-1	Check Standard	NA	Lab QC	CCV	7439-95-4	Magnesium	22.5	0.04	EDL	ug/g	Wet Wt	1	24.6	91	NA	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:13	
Feedlot	EDC99-04	7140-1	Check Standard	NA	Lab QC	CCV	7440-50-8	Copper	1.16	0.07	EDL	ug/g	Wet Wt	1	1.33	87	NA	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:13	
Feedlot	EDC99-04	7140-1	Check Standard	NA	Lab QC	CCV	7440-70-2	Calcium	94.7	0.07	EDL	ug/g	Wet Wt	1	109	87	NA	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:13	
Feedlot	EDC99-04	E9902164	1	Steer 01	Serum	Primary	7440-66-6	Zinc	1.22	0.08	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:16	
Feedlot	EDC99-04	E9902164	1	Steer 01	Serum	Primary	7723-14-0	phosphorus	77.1	2	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:16	
Feedlot	EDC99-04	E9902164	1	Steer 01	Serum	Primary	7439-89-6	Iron	2.2	0.22	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:16	
Feedlot	EDC99-04	E9902164	1	Steer 01	Serum	Primary	7439-95-4	Magnesium	19.6	0.04	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:16	
Feedlot	EDC99-04	E9902164	1	Steer 01	Serum	Primary	7440-50-8	Copper	0.531	0.07	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:16	
Feedlot	EDC99-04	E9902164	1	Steer 01	Serum	Primary	7440-70-2	Calcium	99.4	0.07	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:16	
Feedlot	EDC99-04	E9902165	2	Steer 02	Serum	Primary	7440-66-6	Zinc	0.99	0.08	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:19	
Feedlot	EDC99-04	E9902165	2	Steer 02	Serum	Primary	7723-14-0	phosphorus	81.5	2	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:19	
Feedlot	EDC99-04	E9902165	2	Steer 02	Serum	Primary	7439-89-6	Iron	1.94	0.22	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:19	
Feedlot	EDC99-04	E9902165	2	Steer 02	Serum	Primary	7439-95-4	Magnesium	20.9	0.04	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:19	
Feedlot	EDC99-04	E9902165	2	Steer 02	Serum	Primary	7440-50-8	Copper	0.518	0.07	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:19	
Feedlot	EDC99-04	E9902165	2	Steer 02	Serum	Primary	7440-70-2	Calcium	96.1	0.07	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:19	
Feedlot	EDC99-04	E9902166	3	Steer 03	Serum	Primary	7440-66-6	Zinc	0.902	0.08	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:22	
Feedlot	EDC99-04	E9902166	3	Steer 03	Serum	Primary	7723-14-0	phosphorus	65.6	2	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:22	
Feedlot	EDC99-04	E9902166	3	Steer 03	Serum	Primary	7439-89-6	Iron	2.33	0.22	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:22	
Feedlot	EDC99-04	E9902166	3	Steer 03	Serum	Primary	7439-95-4	Magnesium	24.1	0.04	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:22	
Feedlot	EDC99-04	E9902166	3	Steer 03	Serum	Primary	7440-50-8	Copper	0.543	0.07	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:22	
Feedlot	EDC99-04	E9902166	3	Steer 03	Serum	Primary	7440-70-2	Calcium	103	0.07	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:22	
Feedlot	EDC99-04	E9902167	4	Steer 04	Serum	Primary	7440-66-6	Zinc	0.979	0.08	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:25	
Feedlot	EDC99-04	E9902167	4	Steer 04	Serum	Primary	7723-14-0	phosphorus	81.3	2	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:25	
Feedlot	EDC99-04	E9902167	4	Steer 04	Serum	Primary	7439-89-6	Iron	2.45	0.22	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:25	
Feedlot	EDC99-04	E9902167	4	Steer 04	Serum	Primary	7439-95-4	Magnesium	21.7	0.04	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:25	
Feedlot	EDC99-04	E9902167	4	Steer 04	Serum	Primary	7440-50-8	Copper	0.799	0.07	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:25	
Feedlot	EDC99-04	E9902167	4	Steer 04	Serum	Primary	7440-70-2	Calcium	94.9	0.07	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:25	
Feedlot	EDC99-04	E9902168	5	Steer 05	Serum	Primary	7440-66-6	Zinc	0.799	0.08	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:28	
Feedlot	EDC99-04	E9902168	5	Steer 05	Serum	Primary	7723-14-0	phosphorus	73.1	2	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:28	
Feedlot	EDC99-04	E9902168	5	Steer 05	Serum	Primary	7439-89-6	Iron	1.91	0.22	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:28	
Feedlot	EDC99-04	E9902168	5	Steer 05	Serum	Primary	7439-95-4	Magnesium	21.4	0.04	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:28	
Feedlot	EDC99-04	E9902168	5	Steer 05	Serum	Primary	7440-50-8	Copper	0.785	0.07	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:28	
Feedlot	EDC99-04	E9902168	5	Steer 05	Serum	Primary	7440-70-2	Calcium	93.7	0.07	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:28	
Feedlot	EDC99-04	E9902169	6	Steer 06	Serum	Primary	7440-66-6	Zinc	1.11	0.08	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:31	
Feedlot	EDC99-04	E9902169	6	Steer 06	Serum	Primary	7723-14-0	phosphorus	81.4	2	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:31	
Feedlot	EDC99-04	E9902169	6	Steer 06	Serum	Primary	7439-89-6	Iron	2.03	0.22	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:31	
Feedlot	EDC99-04	E9902169	6	Steer 06	Serum	Primary	7439-95-4	Magnesium	22.2	0.04	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:31	
Feedlot	EDC99-04	E9902169	6	Steer 06	Serum	Primary	7440-50-8	Copper	0.608	0.07	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:31	
Feedlot	EDC99-04	E9902169	6	Steer 06	Serum	Primary	7440-70-2	Calcium	94.8	0.07	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:31	
Feedlot	EDC99-04	E9902170	7	Steer 07	Serum	Primary	7440-66-6	Zinc	1.13	0.08	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:34	
Feedlot	EDC99-04	E9902170	7	Steer 07	Serum	Primary	7723-14-0	phosphorus	68.4	2	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:34	
Feedlot	EDC99-04	E9902170	7	Steer 07	Serum	Primary	7439-89-6	Iron	1.62	0.22	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:34	
Feedlot	EDC99-04	E9902170	7	Steer 07	Serum	Primary	7439-95-4	Magnesium	25.8	0.04	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:34	
Feedlot	EDC99-04	E9902170	7	Steer 07	Serum	Primary	7440-50-8	Copper	0.627	0.07	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:34	
Feedlot	EDC99-04	E9902170	7	Steer 07	Serum	Primary	7440-70-2	Calcium	97.2	0.07	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:34	
Feedlot	EDC99-04	E9902171	8	Steer 08	Serum	Primary	7440-66-6	Zinc	0.993	0.08	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:37	
Feedlot	EDC99-04	E9902171	8	Steer 08	Serum	Primary	7723-14-0	phosphorus	66.7	2	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:37	
Feedlot	EDC99-04	E9902171	8	Steer 08	Serum	Primary	7439-89-6	Iron	2.03	0.22	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:37	
Feedlot	EDC99-04	E9902171	8	Steer 08	Serum	Primary	7439-95-4	Magnesium	21.6	0.04	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:37	
Feedlot	EDC99-04	E9902171	8	Steer 08	Serum	Primary	7440-50-8	Copper	0.697	0.07	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:37	
Feedlot	EDC99-04	E9902171	8	Steer 08	Serum	Primary	7440-70-2	Calcium	95.2	0.07	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:37	
Feedlot	EDC99-04	E9902172	9	Steer 09	Serum	Primary	7440-66-6	Zinc	1.01	0.08	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:40	

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Feedlot	EDC99-04	E9902172	9	Steer 09	Serum	Primary	7723-14-0	phosphorus	65.1	2	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:40	
Feedlot	EDC99-04	E9902172	9	Steer 09	Serum	Primary	7439-89-6	Iron	2.36	0.22	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:40	
Feedlot	EDC99-04	E9902172	9	Steer 09	Serum	Primary	7439-95-4	Magnesium	20.8	0.04	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:40	
Feedlot	EDC99-04	E9902172	9	Steer 09	Serum	Primary	7440-50-8	Copper	0.698	0.07	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:40	
Feedlot	EDC99-04	E9902172	9	Steer 09	Serum	Primary	7440-70-2	Calcium	103	0.07	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:40	
Feedlot	EDC99-04	E9902173	10	Steer 10	Serum	Primary	7440-66-6	Zinc	1.1	0.08	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:43	
Feedlot	EDC99-04	E9902173	10	Steer 10	Serum	Primary	7723-14-0	phosphorus	82.9	2	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:43	
Feedlot	EDC99-04	E9902173	10	Steer 10	Serum	Primary	7439-89-6	Iron	1.99	0.22	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:43	
Feedlot	EDC99-04	E9902173	10	Steer 10	Serum	Primary	7439-95-4	Magnesium	24.6	0.04	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:43	
Feedlot	EDC99-04	E9902173	10	Steer 10	Serum	Primary	7440-50-8	Copper	1.02	0.07	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:43	
Feedlot	EDC99-04	E9902173	10	Steer 10	Serum	Primary	7440-70-2	Calcium	102	0.07	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:43	
Feedlot	EDC99-04	E9902174	11	Steer 11	Serum	Primary	7440-66-6	Zinc	1.02	0.08	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:47	
Feedlot	EDC99-04	E9902174	11	Steer 11	Serum	Primary	7723-14-0	phosphorus	69.8	2	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:47	
Feedlot	EDC99-04	E9902174	11	Steer 11	Serum	Primary	7439-89-6	Iron	2.23	0.22	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:47	
Feedlot	EDC99-04	E9902174	11	Steer 11	Serum	Primary	7439-95-4	Magnesium	23.7	0.04	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:47	
Feedlot	EDC99-04	E9902174	11	Steer 11	Serum	Primary	7440-50-8	Copper	0.893	0.07	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:47	
Feedlot	EDC99-04	E9902174	11	Steer 11	Serum	Primary	7440-70-2	Calcium	95.2	0.07	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:47	
Feedlot	EDC99-04	E9902175	12	Steer 12	Serum	Primary	7440-66-6	Zinc	0.862	0.08	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:50	
Feedlot	EDC99-04	E9902175	12	Steer 12	Serum	Primary	7723-14-0	phosphorus	70.2	2	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:50	
Feedlot	EDC99-04	E9902175	12	Steer 12	Serum	Primary	7439-89-6	Iron	1.65	0.22	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:50	
Feedlot	EDC99-04	E9902175	12	Steer 12	Serum	Primary	7439-95-4	Magnesium	24.7	0.04	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:50	
Feedlot	EDC99-04	E9902175	12	Steer 12	Serum	Primary	7440-50-8	Copper	0.822	0.07	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:50	
Feedlot	EDC99-04	E9902175	12	Steer 12	Serum	Primary	7440-70-2	Calcium	94.9	0.07	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:50	
Feedlot	EDC99-04	E9902176	13	Steer 13	Serum	Primary	7440-66-6	Zinc	0.944	0.08	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:53	
Feedlot	EDC99-04	E9902176	13	Steer 13	Serum	Primary	7723-14-0	phosphorus	69.4	2	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:53	
Feedlot	EDC99-04	E9902176	13	Steer 13	Serum	Primary	7439-89-6	Iron	1.97	0.22	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:53	
Feedlot	EDC99-04	E9902176	13	Steer 13	Serum	Primary	7439-95-4	Magnesium	21.9	0.04	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:53	
Feedlot	EDC99-04	E9902176	13	Steer 13	Serum	Primary	7440-50-8	Copper	0.69	0.07	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:53	
Feedlot	EDC99-04	E9902176	13	Steer 13	Serum	Primary	7440-70-2	Calcium	94.9	0.07	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:53	
Feedlot	EDC99-04	E9902177	14	Steer 14	Serum	Primary	7440-66-6	Zinc	1.03	0.08	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:56	
Feedlot	EDC99-04	E9902177	14	Steer 14	Serum	Primary	7723-14-0	phosphorus	70.5	2	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:56	
Feedlot	EDC99-04	E9902177	14	Steer 14	Serum	Primary	7439-89-6	Iron	1.89	0.22	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:56	
Feedlot	EDC99-04	E9902177	14	Steer 14	Serum	Primary	7439-95-4	Magnesium	20.2	0.04	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:56	
Feedlot	EDC99-04	E9902177	14	Steer 14	Serum	Primary	7440-50-8	Copper	0.629	0.07	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:56	
Feedlot	EDC99-04	E9902177	14	Steer 14	Serum	Primary	7440-70-2	Calcium	101	0.07	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:56	
Feedlot	EDC99-04	E9902178	15	Steer 15	Serum	Primary	7440-66-6	Zinc	0.833	0.08	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:59	
Feedlot	EDC99-04	E9902178	15	Steer 15	Serum	Primary	7723-14-0	phosphorus	78.5	2	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:59	
Feedlot	EDC99-04	E9902178	15	Steer 15	Serum	Primary	7439-89-6	Iron	1.98	0.22	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:59	
Feedlot	EDC99-04	E9902178	15	Steer 15	Serum	Primary	7439-95-4	Magnesium	24.5	0.04	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:59	
Feedlot	EDC99-04	E9902178	15	Steer 15	Serum	Primary	7440-50-8	Copper	0.674	0.07	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:59	
Feedlot	EDC99-04	E9902178	15	Steer 15	Serum	Primary	7440-70-2	Calcium	96.9	0.07	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	13:59	
Feedlot	EDC99-04	E9902179	16	Steer 16	Serum	Primary	7440-66-6	Zinc	1.01	0.08	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	14:02	
Feedlot	EDC99-04	E9902179	16	Steer 16	Serum	Primary	7723-14-0	phosphorus	85.1	2	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	14:02	
Feedlot	EDC99-04	E9902179	16	Steer 16	Serum	Primary	7439-89-6	Iron	1.8	0.22	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	14:02	
Feedlot	EDC99-04	E9902179	16	Steer 16	Serum	Primary	7439-95-4	Magnesium	22.5	0.04	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	14:02	
Feedlot	EDC99-04	E9902179	16	Steer 16	Serum	Primary	7440-50-8	Copper	0.645	0.07	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	14:02	
Feedlot	EDC99-04	E9902179	16	Steer 16	Serum	Primary	7440-70-2	Calcium	98.3	0.07	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	14:02	
Feedlot	EDC99-04	E9902180	17	Steer 17	Serum	Primary	7440-66-6	Zinc	0.94	0.08	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	14:05	
Feedlot	EDC99-04	E9902180	17	Steer 17	Serum	Primary	7723-14-0	phosphorus	81.9	2	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	14:05	
Feedlot	EDC99-04	E9902180	17	Steer 17	Serum	Primary	7439-89-6	Iron	1.56	0.22	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	14:05	
Feedlot	EDC99-04	E9902180	17	Steer 17	Serum	Primary	7439-95-4	Magnesium	20.4	0.04	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	14:05	
Feedlot	EDC99-04	E9902180	17	Steer 17	Serum	Primary	7440-50-8	Copper	0.96	0.07	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	14:05	
Feedlot	EDC99-04	E9902180	17	Steer 17	Serum	Primary	7440-70-2	Calcium	92.6	0.07	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	14:05	
Feedlot	EDC99-04	E9902181	18	Steer 18	Serum	Primary	7440-66-6	Zinc	1.16	0.08	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	14:08	
Feedlot	EDC99-04	E9902181	18	Steer 18	Serum	Primary	7723-14-0	phosphorus	72.6	2	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	14:08	
Feedlot	EDC99-04	E9902181	18	Steer 18	Serum	Primary	7439-89-6	Iron	1.98	0.22	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	14:08	
Feedlot	EDC99-04	E9902181	18	Steer 18	Serum	Primary	7439-95-4	Magnesium	21.3	0.04	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	14:08	
Feedlot	EDC99-04	E9902181	18	Steer 18	Serum	Primary	7440-50-8	Copper	0.745	0.07	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	14:08	

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Feedlot	EDC99-04	E9902181	18	Steer 18	Serum	Primary	7440-70-2	Calcium	94.4	0.07	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	14:08	
Feedlot	EDC99-04	E9902182	19	Steer 19	Serum	Primary	7440-66-6	Zinc	1.04	0.08	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	14:11	
Feedlot	EDC99-04	E9902182	19	Steer 19	Serum	Primary	7723-14-0	phosphorus	67	2	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	14:11	
Feedlot	EDC99-04	E9902182	19	Steer 19	Serum	Primary	7439-89-6	Iron	2.73	0.22	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	14:11	
Feedlot	EDC99-04	E9902182	19	Steer 19	Serum	Primary	7439-95-4	Magnesium	22.4	0.04	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	14:11	
Feedlot	EDC99-04	E9902182	19	Steer 19	Serum	Primary	7440-50-8	Copper	0.784	0.07	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	14:11	
Feedlot	EDC99-04	E9902182	19	Steer 19	Serum	Primary	7440-70-2	Calcium	107	0.07	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	14:11	
Feedlot	EDC99-04	E9902183	20	Steer 20	Serum	Primary	7440-66-6	Zinc	0.862	0.08	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	14:14	
Feedlot	EDC99-04	E9902183	20	Steer 20	Serum	Primary	7723-14-0	phosphorus	84	2	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	14:14	
Feedlot	EDC99-04	E9902183	20	Steer 20	Serum	Primary	7439-89-6	Iron	2.1	0.22	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	14:14	
Feedlot	EDC99-04	E9902183	20	Steer 20	Serum	Primary	7439-95-4	Magnesium	21.7	0.04	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	14:14	
Feedlot	EDC99-04	E9902183	20	Steer 20	Serum	Primary	7440-50-8	Copper	0.541	0.07	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	14:14	
Feedlot	EDC99-04	E9902183	20	Steer 20	Serum	Primary	7440-70-2	Calcium	99.9	0.07	EDL	ug/g	Wet Wt	1			12/17/99	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	14:14	
Feedlot	EDC99-04	7140-2	Check Standard	NA	Lab QC	CCV	7440-66-6	Zinc	1.24	0.08	EDL	ug/g	Wet Wt	1	1.3	95	NA	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	14:17	
Feedlot	EDC99-04	7140-2	Check Standard	NA	Lab QC	CCV	7723-14-0	Phosphorus	75.7	2	EDL	ug/g	Wet Wt	1	83.8	90	NA	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	14:17	
Feedlot	EDC99-04	7140-2	Check Standard	NA	Lab QC	CCV	7439-89-6	Iron	1.88	0.22	EDL	ug/g	Wet Wt	1	1.70	111	NA	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	14:17	
Feedlot	EDC99-04	7140-2	Check Standard	NA	Lab QC	CCV	7439-95-4	Magnesium	23.4	0.04	EDL	ug/g	Wet Wt	1	24.6	95	NA	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	14:17	
Feedlot	EDC99-04	7140-2	Check Standard	NA	Lab QC	CCV	7440-50-8	Copper	1.14	0.07	EDL	ug/g	Wet Wt	1	1.33	86	NA	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	14:17	
Feedlot	EDC99-04	7140-2	Check Standard	NA	Lab QC	CCV	7440-70-2	Calcium	95	0.07	EDL	ug/g	Wet Wt	1	109	87	NA	ICP - TES	TESICP_02-01-00	0201TES2	2/1/2000	2/1/2000	14:17	
Feedlot	EJR00-01	E0000001CS	Check Standard	NA	Lab QC	CCV	7782-49-2	Selenium	0.0502	0.005	EDL	ug/g	Wet Wt	1	0.05	100	NA	ICP, Hydride	VGICP_02-03-00	0203SEH	1/28/2000	2/3/2000	12:20	
Feedlot	EJR00-01	E0000001SR	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.472	0.005	EDL	ug/g	Wet Wt	1	0.446	106	NA	ICP, Hydride	VGICP_02-03-00	0203SEH	1/28/2000	2/3/2000	12:23	
Feedlot	EJR00-01	E0000001B	Laboratory Blank	NA	Lab QC	Blank	7782-49-2	Selenium	-0.001	0.005	EDL	ug/g	Wet Wt	1			NA	ICP, Hydride	VGICP_02-03-00	0203SEH	1/28/2000	2/3/2000	12:26	
Feedlot	EJR00-01	E0000001	2	Steer 02	Blood	Primary	7782-49-2	Selenium	0.603	0.005	EDL	ug/g	Wet Wt	1			01/03/00	ICP, Hydride	VGICP_02-03-00	0203SEH	1/28/2000	2/3/2000	12:29	
Feedlot	EJR00-01	E0000002	3	Steer 03	Blood	Primary	7782-49-2	Selenium	0.823	0.005	EDL	ug/g	Wet Wt	1			01/03/00	ICP, Hydride	VGICP_02-03-00	0203SEH	1/28/2000	2/3/2000	12:32	
Feedlot	EJR00-01	E0000003	4	Steer 04	Blood	Primary	7782-49-2	Selenium	0.495	0.005	EDL	ug/g	Wet Wt	1			01/03/00	ICP, Hydride	VGICP_02-03-00	0203SEH	1/28/2000	2/3/2000	12:35	
Feedlot	EJR00-01	E0000004	5	Steer 05	Blood	Primary	7782-49-2	Selenium	0.46	0.005	EDL	ug/g	Wet Wt	1			01/03/00	ICP, Hydride	VGICP_02-03-00	0203SEH	1/28/2000	2/3/2000	12:38	
Feedlot	EJR00-01	E0000005	6	Steer 06	Blood	Primary	7782-49-2	Selenium	0.401	0.005	EDL	ug/g	Wet Wt	1			01/03/00	ICP, Hydride	VGICP_02-03-00	0203SEH	1/28/2000	2/3/2000	12:41	
Feedlot	EJR00-01	E0000006	7	Steer 07	Blood	Primary	7782-49-2	Selenium	0.564	0.005	EDL	ug/g	Wet Wt	1			01/03/00	ICP, Hydride	VGICP_02-03-00	0203SEH	1/28/2000	2/3/2000	12:43	
Feedlot	EJR00-01	E0000007	8	Steer 08	Blood	Primary	7782-49-2	Selenium	0.364	0.005	EDL	ug/g	Wet Wt	1			01/03/00	ICP, Hydride	VGICP_02-03-00	0203SEH	1/28/2000	2/3/2000	12:46	
Feedlot	EJR00-01	E0000008	9	Steer 09	Blood	Primary	7782-49-2	Selenium	0.63	0.005	EDL	ug/g	Wet Wt	1			01/03/00	ICP, Hydride	VGICP_02-03-00	0203SEH	1/28/2000	2/3/2000	12:49	
Feedlot	EJR00-01	E0000008D	9	Steer 09	Blood	ıb Duplica	7782-49-2	Selenium	0.816	0.005	EDL	ug/g	Wet Wt	1			01/03/00	ICP, Hydride	VGICP_02-03-00	0203SEH	1/28/2000	2/3/2000	12:52	
Feedlot	EJR00-01	E0000009	12	Steer 12	Blood	Primary	7782-49-2	Selenium	0.506	0.005	EDL	ug/g	Wet Wt	1			01/03/00	ICP, Hydride	VGICP_02-03-00	0203SEH	1/28/2000	2/3/2000	12:55	
Feedlot	EJR00-01	E0000010	13	Steer 13	Blood	Primary	7782-49-2	Selenium	0.778	0.005	EDL	ug/g	Wet Wt	1			01/03/00	ICP, Hydride	VGICP_02-03-00	0203SEH	1/28/2000	2/3/2000	12:58	
Feedlot	EJR00-01	E0000010SR	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.488	0.005	EDL	ug/g	Wet Wt	1	0.446	109	NA	ICP, Hydride	VGICP_02-03-00	0203SEH	1/28/2000	2/3/2000	13:01	
Feedlot	EJR00-01	E0000011	15	Steer 15	Blood	Primary	7782-49-2	Selenium	0.639	0.005	EDL	ug/g	Wet Wt	1			01/03/00	ICP, Hydride	VGICP_02-03-00	0203SEH	1/28/2000	2/3/2000	13:03	
Feedlot	EJR00-01	E0000012	16	Steer 16	Blood	Primary	7782-49-2	Selenium	0.128	0.005	EDL	ug/g	Wet Wt	1			01/03/00	ICP, Hydride	VGICP_02-03-00	0203SEH	1/28/2000	2/3/2000	13:06	
Feedlot	EJR00-01	E0000013	17	Steer 17	Blood	Primary	7782-49-2	Selenium	0.178	0.005	EDL	ug/g	Wet Wt	1			01/03/00	ICP, Hydride	VGICP_02-03-00	0203SEH	1/28/2000	2/3/2000	13:09	
Feedlot	EJR00-01	E0000014	18	Steer 18	Blood	Primary	7782-49-2	Selenium	0.231	0.005	EDL	ug/g	Wet Wt	1			01/03/00	ICP, Hydride	VGICP_02-03-00	0203SEH	1/28/2000	2/3/2000	13:12	
Feedlot	EJR00-01	E0000015	19	Steer 19	Blood	Primary	7782-49-2	Selenium	0.214	0.005	EDL	ug/g	Wet Wt	1			01/03/00	ICP, Hydride	VGICP_02-03-00	0203SEH	1/28/2000	2/3/2000	13:15	
Feedlot	EJR00-01	E0000016	20	Steer 20	Blood	Primary	7782-49-2	Selenium	0.162	0.005	EDL	ug/g	Wet Wt	1			01/03/00	ICP, Hydride	VGICP_02-03-00	0203SEH	1/28/2000	2/3/2000	13:18	
Feedlot	EJR00-01	E0000017	"NO ID"	unknown	Blood	Primary	7782-49-2	Selenium	0.534	0.005	EDL	ug/g	Wet Wt	1			01/03/00	ICP, Hydride	VGICP_02-03-00	0203SEH	1/28/2000	2/3/2000	13:20	
Feedlot	EJR00-01	E0000018	"NO ID"	unknown	Blood	Primary	7782-49-2	Selenium	0.674	0.005	EDL	ug/g	Wet Wt	1			01/03/00	ICP, Hydride	VGICP_02-03-00	0203SEH	1/28/2000	2/3/2000	13:23	
Feedlot	EJR00-01	E0000018D	"NO ID"	unknown	Blood	ıb Duplica	7782-49-2	Selenium	1.10	0.005	EDL	ug/g	Wet Wt	1			01/03/00	ICP, Hydride	VGICP_02-03-00	0203SEH	1/28/2000	2/3/2000	13:26	
Feedlot	EJR00-01	E0000018SR	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.487	0.005	EDL	ug/g	Wet Wt	1	0.446	109	NA	ICP, Hydride	VGICP_02-03-00	0203SEH	1/28/2000	2/3/2000	13:29	
Feedlot	EJR00-01	E0000019B	Laboratory Blank	NA	Lab QC	Blank	7782-49-2	Selenium	-0.0002	0.005	EDL	ug/g	Wet Wt	1			NA	ICP, Hydride	VGICP_02-23-00A	0223SEH	2/17/2000	2/23/2000	10:08	
Feedlot	EJR00-01	E0000019SR	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.481	0.005	EDL	ug/g	Wet Wt	1	0.446	108	NA	ICP, Hydride	VGICP_02-23-00A	0223SEH	2/17/2000	2/23/2000	10:11	
Feedlot	EJR00-01	E0000019	1	Steer 01	Serum	Primary	7782-49-2	Selenium	0.117	0.005	EDL	ug/g	Wet Wt	1			01/03/00	ICP, Hydride	VGICP_02-23-00A	0223SEH	2/17/2000	2/23/2000	10:13	
Feedlot	EJR00-01	E0000020	2	Steer 02	Serum	Primary	7782-49-2	Selenium	0.16	0.005	EDL	ug/g	Wet Wt	1			01/03/00	ICP, Hydride	VGICP_02-23-00A	0223SEH	2/17/2000	2/23/2000	10:16	
Feedlot	EJR00-01	E0000021	3	Steer 03	Serum	Primary	7782-49-2	Selenium	0.137	0.005	EDL	ug/g	Wet Wt	1			01/03/00	ICP, Hydride	VGICP_02-23-00A	0223SEH	2/17/2000	2/23/2000	10:19	
Feedlot	EJR00-01	E0000022	4	Steer 04	Serum	Primary	7782-49-2	Selenium	0.117	0.005	EDL	ug/g	Wet Wt	1			01/03/00	ICP, Hydride	VGICP_02-23-00A	0223SEH	2/17/2000	2/23/2000	10:22	
Feedlot	EJR00-01	E0000023	5	Steer 05	Serum	Primary	7782-49-2	Selenium	0.108	0.005	EDL	ug/g	Wet Wt	1			01/03/00	ICP, Hydride	VGICP_02-23-00A	0223SEH	2/17/2000	2/23/2000	10:25	
Feedlot	EJR00-01	E0000024	6	Steer 06	Serum	Primary	7782-49-2	Selenium	0.11	0.005	EDL	ug/g	Wet Wt	1			01/03/00	ICP, Hydride	VGICP_02-23-00A	0223SEH	2/17/2000	2/23/2000	10:28	
Feedlot	EJR00-01	E0000025	7	Steer 07	Serum	Primary	7782-49-2	Selenium	0.144	0.005	EDL	ug/g	Wet Wt	1			01/03/00	ICP, Hydride	VGICP_02-23-00A	0223SEH	2/17/2000	2/23/2000	10:31	
Feedlot	EJR00-01	E0000026	8	Steer 08	Serum	Primary	7782-49-2	Selenium	0.113	0.005	EDL	ug/g	Wet Wt	1			01/03/00	ICP, Hydride	VGICP_02-23-00A	0223SEH	2/17/2000	2/23/2000	10:34	
Feedlot	EJR00-01	E0000027	9	Steer 09	Serum	Primary	7782-49-2	Selenium	0.132	0.005	EDL	ug/g	Wet Wt	1			01/03/00	ICP, Hydride	VGICP_02-23-00A	0223SEH	2/17/2000	2/23/2000	10:36	
Feedlot	EJR00-01	E0000028	10	Steer 10	Serum	Primary	7782-49-2	Selenium	0.13	0.005	EDL	ug/g	Wet Wt	1			01/03/00	ICP, Hydride	VGICP_02-23-00A	0223SEH	2/17/2000	2/23/2000	10:39	
Feedlot	EJR00-01	E0000029	11	Steer 11	Serum	Primary	7782-49-2	Selenium	0.118	0.005	EDL	ug/g	Wet Wt	1			01/03/00	ICP, Hydride	VGICP_02-23-00A	0223SEH	2/17/2000	2/23/2000	10:42	
Feedlot	EJR00-01	E0000030	12	Steer 12	Serum	Primary	7782-49-2	Selenium	0.117	0.005	EDL	ug/g	Wet Wt	1			01/03/00	ICP, Hydride	VGICP_02-23-00A	0223SEH	2/17/2000	2/23/2000	10:45	

ATTACHMENT A
MWH EDD - 1999 - 2000 CATTLE TISSUE AND BLOOD DATA

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Feedlot	EJR00-01	E0000030SR	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.477	0.005	EDL	ug/g	Wet Wt	1	0.446	107	NA	ICP, Hydride	VGICP_02-23-00A	0223SEH	2/17/2000	2/23/2000	10:48	
Feedlot	EJR00-01	E0000031	13	Steer 13	Serum	Primary	7782-49-2	Selenium	0.126	0.005	EDL	ug/g	Wet Wt	1			01/03/00	ICP, Hydride	VGICP_02-23-00A	0223SEH	2/17/2000	2/23/2000	10:51	
Feedlot	EJR00-01	E0000032	14	Steer 14	Serum	Primary	7782-49-2	Selenium	0.129	0.005	EDL	ug/g	Wet Wt	1			01/03/00	ICP, Hydride	VGICP_02-23-00A	0223SEH	2/17/2000	2/23/2000	10:53	
Feedlot	EJR00-01	E0000033	15	Steer 15	Serum	Primary	7782-49-2	Selenium	0.136	0.005	EDL	ug/g	Wet Wt	1			01/03/00	ICP, Hydride	VGICP_02-23-00A	0223SEH	2/17/2000	2/23/2000	10:56	
Feedlot	EJR00-01	E0000034	16	Steer 16	Serum	Primary	7782-49-2	Selenium	0.074	0.005	EDL	ug/g	Wet Wt	1			01/03/00	ICP, Hydride	VGICP_02-23-00A	0223SEH	2/17/2000	2/23/2000	10:59	
Feedlot	EJR00-01	E0000035	17	Steer 17	Serum	Primary	7782-49-2	Selenium	0.08	0.005	EDL	ug/g	Wet Wt	1			01/03/00	ICP, Hydride	VGICP_02-23-00A	0223SEH	2/17/2000	2/23/2000	11:02	
Feedlot	EJR00-01	E0000036	18	Steer 18	Serum	Primary	7782-49-2	Selenium	0.08	0.005	EDL	ug/g	Wet Wt	1			01/03/00	ICP, Hydride	VGICP_02-23-00A	0223SEH	2/17/2000	2/23/2000	11:05	
Feedlot	EJR00-01	E0000037	19	Steer 19	Serum	Primary	7782-49-2	Selenium	0.082	0.005	EDL	ug/g	Wet Wt	1			01/03/00	ICP, Hydride	VGICP_02-23-00A	0223SEH	2/17/2000	2/23/2000	11:08	
Feedlot	EJR00-01	E0000038	20	Steer 20	Serum	Primary	7782-49-2	Selenium	0.069	0.005	EDL	ug/g	Wet Wt	1			01/03/00	ICP, Hydride	VGICP_02-23-00A	0223SEH	2/17/2000	2/23/2000	11:11	
Feedlot	EJR00-01	E0000038SR	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.483	0.005	EDL	ug/g	Wet Wt	1	0.446	108	NA	ICP, Hydride	VGICP_02-23-00A	0223SEH	2/17/2000	2/23/2000	11:14	
Feedlot	EJR00-01	7140	Check Standard	NA	Lab QC	CCV	7440-66-6	Zinc	1.32	0.08		ug/g	Wet Wt	1	1.3	102	NA	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	8:52	
Feedlot	EJR00-01	7140	Check Standard	NA	Lab QC	CCV	7723-14-0	Phosphorus	73.9	2		ug/g	Wet Wt	1	83.8	88	NA	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	8:52	
Feedlot	EJR00-01	7140	Check Standard	NA	Lab QC	CCV	7439-89-6	Iron	1.74	0.22		ug/g	Wet Wt	1	1.70	102	NA	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	8:52	
Feedlot	EJR00-01	7140	Check Standard	NA	Lab QC	CCV	7439-95-4	Magnesium	23	0.04		ug/g	Wet Wt	1	24.6	93	NA	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	8:52	
Feedlot	EJR00-01	7140	Check Standard	NA	Lab QC	CCV	7440-50-8	Copper	1.19	0.07		ug/g	Wet Wt	1	1.33	89	NA	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	8:52	
Feedlot	EJR00-01	7140	Check Standard	NA	Lab QC	CCV	7440-70-2	Calcium	101	0.07		ug/g	Wet Wt	1	109	93	NA	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	8:52	
Feedlot	EJR00-01	E0000019	1	Steer 01	Serum	Primary	7440-66-6	Zinc	1.4	0.08		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	8:55	
Feedlot	EJR00-01	E0000019	1	Steer 01	Serum	Primary	7723-14-0	phosphorus	80	2		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	8:55	
Feedlot	EJR00-01	E0000019	1	Steer 01	Serum	Primary	7439-89-6	Iron	2.5	0.22		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	8:55	
Feedlot	EJR00-01	E0000019	1	Steer 01	Serum	Primary	7439-95-4	Magnesium	21	0.04		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	8:55	
Feedlot	EJR00-01	E0000019	1	Steer 01	Serum	Primary	7440-50-8	Copper	0.73	0.07		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	8:55	
Feedlot	EJR00-01	E0000019	1	Steer 01	Serum	Primary	7440-70-2	Calcium	105	0.07		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	8:55	
Feedlot	EJR00-01	E0000020	2	Steer 02	Serum	Primary	7440-66-6	Zinc	1	0.08		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	8:58	
Feedlot	EJR00-01	E0000020	2	Steer 02	Serum	Primary	7723-14-0	phosphorus	82	2		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	8:58	
Feedlot	EJR00-01	E0000020	2	Steer 02	Serum	Primary	7439-89-6	Iron	2.1	0.22		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	8:58	
Feedlot	EJR00-01	E0000020	2	Steer 02	Serum	Primary	7439-95-4	Magnesium	21	0.04		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	8:58	
Feedlot	EJR00-01	E0000020	2	Steer 02	Serum	Primary	7440-50-8	Copper	0.68	0.07		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	8:58	
Feedlot	EJR00-01	E0000020	2	Steer 02	Serum	Primary	7440-70-2	Calcium	101	0.07		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	8:58	
Feedlot	EJR00-01	E0000021	3	Steer 03	Serum	Primary	7440-66-6	Zinc	1	0.08		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:01	
Feedlot	EJR00-01	E0000021	3	Steer 03	Serum	Primary	7723-14-0	phosphorus	77	2		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:01	
Feedlot	EJR00-01	E0000021	3	Steer 03	Serum	Primary	7439-89-6	Iron	2.6	0.22		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:01	
Feedlot	EJR00-01	E0000021	3	Steer 03	Serum	Primary	7439-95-4	Magnesium	24	0.04		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:01	
Feedlot	EJR00-01	E0000021	3	Steer 03	Serum	Primary	7440-50-8	Copper	0.61	0.07		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:01	
Feedlot	EJR00-01	E0000021	3	Steer 03	Serum	Primary	7440-70-2	Calcium	112	0.07		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:01	
Feedlot	EJR00-01	E0000022	4	Steer 04	Serum	Primary	7440-66-6	Zinc	0.95	0.08		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:04	
Feedlot	EJR00-01	E0000022	4	Steer 04	Serum	Primary	7723-14-0	phosphorus	76	2		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:04	
Feedlot	EJR00-01	E0000022	4	Steer 04	Serum	Primary	7439-89-6	Iron	1.8	0.22		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:04	
Feedlot	EJR00-01	E0000022	4	Steer 04	Serum	Primary	7439-95-4	Magnesium	27	0.04		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:04	
Feedlot	EJR00-01	E0000022	4	Steer 04	Serum	Primary	7440-50-8	Copper	0.88	0.07		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:04	
Feedlot	EJR00-01	E0000022	4	Steer 04	Serum	Primary	7440-70-2	Calcium	103	0.07		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:04	
Feedlot	EJR00-01	E0000023	5	Steer 05	Serum	Primary	7440-66-6	Zinc	0.95	0.08		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:07	
Feedlot	EJR00-01	E0000023	5	Steer 05	Serum	Primary	7723-14-0	phosphorus	68	2		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:07	
Feedlot	EJR00-01	E0000023	5	Steer 05	Serum	Primary	7439-89-6	Iron	1.8	0.22		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:07	
Feedlot	EJR00-01	E0000023	5	Steer 05	Serum	Primary	7439-95-4	Magnesium	23	0.04		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:07	
Feedlot	EJR00-01	E0000023	5	Steer 05	Serum	Primary	7440-50-8	Copper	0.87	0.07		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:07	
Feedlot	EJR00-01	E0000023	5	Steer 05	Serum	Primary	7440-70-2	Calcium	100	0.07		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:07	
Feedlot	EJR00-01	E0000024	6	Steer 06	Serum	Primary	7440-66-6	Zinc	1.2	0.08		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:10	
Feedlot	EJR00-01	E0000024	6	Steer 06	Serum	Primary	7723-14-0	phosphorus	85	2		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:10	
Feedlot	EJR00-01	E0000024	6	Steer 06	Serum	Primary	7439-89-6	Iron	2	0.22		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:10	
Feedlot	EJR00-01	E0000024	6	Steer 06	Serum	Primary	7439-95-4	Magnesium	24	0.04		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:10	
Feedlot	EJR00-01	E0000024	6	Steer 06	Serum	Primary	7440-50-8	Copper	0.77	0.07		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:10	
Feedlot	EJR00-01	E0000024	6	Steer 06	Serum	Primary	7440-70-2	Calcium	102	0.07		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:10	
Feedlot	EJR00-01	E0000025	7	Steer 07	Serum	Primary	7440-66-6	Zinc	1.3	0.08		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:13	
Feedlot	EJR00-01	E0000025	7	Steer 07	Serum	Primary	7723-14-0	phosphorus	63	2		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:13	
Feedlot	EJR00-01	E0000025	7	Steer 07	Serum	Primary	7439-89-6	Iron	2.2	0.22		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:13	
Feedlot	EJR00-01	E0000025	7	Steer 07	Serum	Primary	7439-95-4	Magnesium	24	0.04		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:13	
Feedlot	EJR00-01	E0000025	7	Steer 07	Serum	Primary	7440-50-8	Copper	0.73	0.07		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:13	
Feedlot	EJR00-01	E0000025	7	Steer 07	Serum	Primary	7440-70-2	Calcium	106	0.07		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:13	

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Feedlot	EJR00-01	E0000026	8	Steer 08	Serum	Primary	7440-66-6	Zinc	1.2	0.08		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:16	
Feedlot	EJR00-01	E0000026	8	Steer 08	Serum	Primary	7723-14-0	phosphorus	81	2		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:16	
Feedlot	EJR00-01	E0000026	8	Steer 08	Serum	Primary	7439-89-6	Iron	2	0.22		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:16	
Feedlot	EJR00-01	E0000026	8	Steer 08	Serum	Primary	7439-95-4	Magnesium	26	0.04		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:16	
Feedlot	EJR00-01	E0000026	8	Steer 08	Serum	Primary	7440-50-8	Copper	0.82	0.07		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:16	
Feedlot	EJR00-01	E0000026	8	Steer 08	Serum	Primary	7440-70-2	Calcium	98	0.07		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:16	
Feedlot	EJR00-01	E0000027	9	Steer 09	Serum	Primary	7440-66-6	Zinc	1	0.08		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:19	
Feedlot	EJR00-01	E0000027	9	Steer 09	Serum	Primary	7723-14-0	phosphorus	72	2		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:19	
Feedlot	EJR00-01	E0000027	9	Steer 09	Serum	Primary	7439-89-6	Iron	2.2	0.22		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:19	
Feedlot	EJR00-01	E0000027	9	Steer 09	Serum	Primary	7439-95-4	Magnesium	21	0.04		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:19	
Feedlot	EJR00-01	E0000027	9	Steer 09	Serum	Primary	7440-50-8	Copper	0.8	0.07		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:19	
Feedlot	EJR00-01	E0000027	9	Steer 09	Serum	Primary	7440-70-2	Calcium	101	0.07		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:19	
Feedlot	EJR00-01	E0000028	10	Steer 10	Serum	Primary	7440-66-6	Zinc	1.2	0.08		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:22	
Feedlot	EJR00-01	E0000028	10	Steer 10	Serum	Primary	7723-14-0	phosphorus	60	2		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:22	
Feedlot	EJR00-01	E0000028	10	Steer 10	Serum	Primary	7439-89-6	Iron	2.3	0.22		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:22	
Feedlot	EJR00-01	E0000028	10	Steer 10	Serum	Primary	7439-95-4	Magnesium	22	0.04		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:22	
Feedlot	EJR00-01	E0000028	10	Steer 10	Serum	Primary	7440-50-8	Copper	1.3	0.07		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:22	
Feedlot	EJR00-01	E0000028	10	Steer 10	Serum	Primary	7440-70-2	Calcium	105	0.07		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:22	
Feedlot	EJR00-01	7140-1	Check Standard	NA	Lab QC	CCV	7440-66-6	Zinc	1.28	0.08		ug/g	Wet Wt	1	1.3	98	NA	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:25	
Feedlot	EJR00-01	7140-1	Check Standard	NA	Lab QC	CCV	7723-14-0	Phosphorus	75	2		ug/g	Wet Wt	1	83.8	89	NA	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:25	
Feedlot	EJR00-01	7140-1	Check Standard	NA	Lab QC	CCV	7439-89-6	Iron	1.88	0.22		ug/g	Wet Wt	1	1.70	111	NA	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:25	
Feedlot	EJR00-01	7140-1	Check Standard	NA	Lab QC	CCV	7439-95-4	Magnesium	23	0.04		ug/g	Wet Wt	1	24.6	93	NA	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:25	
Feedlot	EJR00-01	7140-1	Check Standard	NA	Lab QC	CCV	7440-50-8	Copper	1.18	0.07		ug/g	Wet Wt	1	1.33	89	NA	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:25	
Feedlot	EJR00-01	7140-1	Check Standard	NA	Lab QC	CCV	7440-70-2	Calcium	104	0.07		ug/g	Wet Wt	1	109	95	NA	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:25	
Feedlot	EJR00-01	E0000029	11	Steer 11	Serum	Primary	7440-66-6	Zinc	0.95	0.08		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:28	
Feedlot	EJR00-01	E0000029	11	Steer 11	Serum	Primary	7723-14-0	phosphorus	79	2		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:28	
Feedlot	EJR00-01	E0000029	11	Steer 11	Serum	Primary	7439-89-6	Iron	2.3	0.22		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:28	
Feedlot	EJR00-01	E0000029	11	Steer 11	Serum	Primary	7439-95-4	Magnesium	25	0.04		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:28	
Feedlot	EJR00-01	E0000029	11	Steer 11	Serum	Primary	7440-50-8	Copper	0.83	0.07		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:28	
Feedlot	EJR00-01	E0000029	11	Steer 11	Serum	Primary	7440-70-2	Calcium	97	0.07		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:28	
Feedlot	EJR00-01	E0000030	12	Steer 12	Serum	Primary	7440-66-6	Zinc	1	0.08		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:31	
Feedlot	EJR00-01	E0000030	12	Steer 12	Serum	Primary	7723-14-0	phosphorus	88	2		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:31	
Feedlot	EJR00-01	E0000030	12	Steer 12	Serum	Primary	7439-89-6	Iron	1.9	0.22		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:31	
Feedlot	EJR00-01	E0000030	12	Steer 12	Serum	Primary	7439-95-4	Magnesium	26	0.04		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:31	
Feedlot	EJR00-01	E0000030	12	Steer 12	Serum	Primary	7440-50-8	Copper	0.78	0.07		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:31	
Feedlot	EJR00-01	E0000030	12	Steer 12	Serum	Primary	7440-70-2	Calcium	100	0.07		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:31	
Feedlot	EJR00-01	E0000031	13	Steer 13	Serum	Primary	7440-66-6	Zinc	1.2	0.08		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:34	
Feedlot	EJR00-01	E0000031	13	Steer 13	Serum	Primary	7723-14-0	phosphorus	72	2		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:34	
Feedlot	EJR00-01	E0000031	13	Steer 13	Serum	Primary	7439-89-6	Iron	2.5	0.22		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:34	
Feedlot	EJR00-01	E0000031	13	Steer 13	Serum	Primary	7439-95-4	Magnesium	21	0.04		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:34	
Feedlot	EJR00-01	E0000031	13	Steer 13	Serum	Primary	7440-50-8	Copper	0.81	0.07		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:34	
Feedlot	EJR00-01	E0000031	13	Steer 13	Serum	Primary	7440-70-2	Calcium	112	0.07		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:34	
Feedlot	EJR00-01	E0000032	14	Steer 14	Serum	Primary	7440-66-6	Zinc	1.1	0.08		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:37	
Feedlot	EJR00-01	E0000032	14	Steer 14	Serum	Primary	7723-14-0	phosphorus	72	2		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:37	
Feedlot	EJR00-01	E0000032	14	Steer 14	Serum	Primary	7439-89-6	Iron	2.4	0.22		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:37	
Feedlot	EJR00-01	E0000032	14	Steer 14	Serum	Primary	7439-95-4	Magnesium	22	0.04		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:37	
Feedlot	EJR00-01	E0000032	14	Steer 14	Serum	Primary	7440-50-8	Copper	0.7	0.07		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:37	
Feedlot	EJR00-01	E0000032	14	Steer 14	Serum	Primary	7440-70-2	Calcium	109	0.07		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:37	
Feedlot	EJR00-01	E0000033	15	Steer 15	Serum	Primary	7440-66-6	Zinc	0.99	0.08		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:40	
Feedlot	EJR00-01	E0000033	15	Steer 15	Serum	Primary	7723-14-0	phosphorus	89	2		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:40	
Feedlot	EJR00-01	E0000033	15	Steer 15	Serum	Primary	7439-89-6	Iron	2.2	0.22		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:40	
Feedlot	EJR00-01	E0000033	15	Steer 15	Serum	Primary	7439-95-4	Magnesium	30	0.04		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:40	
Feedlot	EJR00-01	E0000033	15	Steer 15	Serum	Primary	7440-50-8	Copper	0.71	0.07		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:40	
Feedlot	EJR00-01	E0000033	15	Steer 15	Serum	Primary	7440-70-2	Calcium	101	0.07		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:40	
Feedlot	EJR00-01	E0000034	16	Steer 16	Serum	Primary	7440-66-6	Zinc	1	0.08		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:43	
Feedlot	EJR00-01	E0000034	16	Steer 16	Serum	Primary	7723-14-0	phosphorus	77	2		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:43	
Feedlot	EJR00-01	E0000034	16	Steer 16	Serum	Primary	7439-89-6	Iron	1.7	0.22		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:43	
Feedlot	EJR00-01	E0000034	16	Steer 16	Serum	Primary	7439-95-4	Magnesium	23	0.04		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:43	

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Feedlot	EJR00-01	E0000034	16	Steer 16	Serum	Primary	7440-50-8	Copper	0.75	0.07		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:43	
Feedlot	EJR00-01	E0000034	16	Steer 16	Serum	Primary	7440-70-2	Calcium	102	0.07		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:43	
Feedlot	EJR00-01	E0000035	17	Steer 17	Serum	Primary	7440-66-6	Zinc	1.1	0.08		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:46	
Feedlot	EJR00-01	E0000035	17	Steer 17	Serum	Primary	7723-14-0	phosphorus	76	2		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:46	
Feedlot	EJR00-01	E0000035	17	Steer 17	Serum	Primary	7439-89-6	Iron	2	0.22		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:46	
Feedlot	EJR00-01	E0000035	17	Steer 17	Serum	Primary	7439-95-4	Magnesium	19	0.04		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:46	
Feedlot	EJR00-01	E0000035	17	Steer 17	Serum	Primary	7440-50-8	Copper	0.94	0.07		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:46	
Feedlot	EJR00-01	E0000035	17	Steer 17	Serum	Primary	7440-70-2	Calcium	108	0.07		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:46	
Feedlot	EJR00-01	E0000036	18	Steer 18	Serum	Primary	7440-66-6	Zinc	1.2	0.08		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:49	
Feedlot	EJR00-01	E0000036	18	Steer 18	Serum	Primary	7723-14-0	phosphorus	71	2		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:49	
Feedlot	EJR00-01	E0000036	18	Steer 18	Serum	Primary	7439-89-6	Iron	2.2	0.22		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:49	
Feedlot	EJR00-01	E0000036	18	Steer 18	Serum	Primary	7439-95-4	Magnesium	25	0.04		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:49	
Feedlot	EJR00-01	E0000036	18	Steer 18	Serum	Primary	7440-50-8	Copper	0.74	0.07		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:49	
Feedlot	EJR00-01	E0000036	18	Steer 18	Serum	Primary	7440-70-2	Calcium	102	0.07		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:49	
Feedlot	EJR00-01	E0000037	19	Steer 19	Serum	Primary	7440-66-6	Zinc	1.3	0.08		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:52	
Feedlot	EJR00-01	E0000037	19	Steer 19	Serum	Primary	7723-14-0	phosphorus	74	2		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:52	
Feedlot	EJR00-01	E0000037	19	Steer 19	Serum	Primary	7439-89-6	Iron	2.8	0.22		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:52	
Feedlot	EJR00-01	E0000037	19	Steer 19	Serum	Primary	7439-95-4	Magnesium	23	0.04		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:52	
Feedlot	EJR00-01	E0000037	19	Steer 19	Serum		7440-50-8	Copper	0.8	0.07		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:52	
Feedlot	EJR00-01	E0000037	19	Steer 19	Serum	Primary	7440-70-2	Calcium	106	0.07		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:52	
Feedlot	EJR00-01	E0000038	20	Steer 20	Serum	Primary	7440-66-6	Zinc	1.3	0.08		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:55	
Feedlot	EJR00-01	E0000038	20	Steer 20	Serum	Primary	7723-14-0	phosphorus	98	2		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:55	
Feedlot	EJR00-01	E0000038	20	Steer 20	Serum	Primary	7439-89-6	Iron	2.1	0.22		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:55	
Feedlot	EJR00-01	E0000038	20	Steer 20	Serum	Primary	7439-95-4	Magnesium	26	0.04		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:55	
Feedlot	EJR00-01	E0000038	20	Steer 20	Serum	Primary	7440-50-8	Copper	0.56	0.07		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:55	
Feedlot	EJR00-01	E0000038	20	Steer 20	Serum	Primary	7440-70-2	Calcium	108	0.07		ug/g	Wet Wt	1			01/03/00	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:55	
Feedlot	EJR00-01	7140-2	Check Standard	NA	Lab QC	CCV	7440-66-6	Zinc	1.38	0.08		ug/g	Wet Wt	1	1.3	106	NA	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:58	
Feedlot	EJR00-01	7140-2	Check Standard	NA	Lab QC	CCV	7723-14-0	Phosphorus	76.1	2		ug/g	Wet Wt	1	83.8	91	NA	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:58	
Feedlot	EJR00-01	7140-2	Check Standard	NA	Lab QC	CCV	7439-89-6	Iron	1.89	0.22		ug/g	Wet Wt	1	1.70	111	NA	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:58	
Feedlot	EJR00-01	7140-2	Check Standard	NA	Lab QC	CCV	7439-95-4	Magnesium	23.6	0.04		ug/g	Wet Wt	1	24.6	96	NA	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:58	
Feedlot	EJR00-01	7140-2	Check Standard	NA	Lab QC	CCV	7440-50-8	Copper	1.17	0.07		ug/g	Wet Wt	1	1.33	88	NA	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:58	
Feedlot	EJR00-01	7140-2	Check Standard	NA	Lab QC	CCV	7440-70-2	Calcium	103	0.07		ug/g	Wet Wt	1	109	94	NA	ICP - TES	TESICP_02-02-00C	0202TES2	2/1/2000	2/2/2000	9:58	
Feedlot	EJR00-03	E0000051B	Laboratory Blank	NA	Lab QC	Blank	7782-49-2	Selenium	-0.00179	0.005	EDL	ug/g	Wet Wt	1			NA	ICP, Hydride	VGICP_02-02-00	0202SEH	1/28/2000	2/2/2000	14:49	
Feedlot	EJR00-03	E0000051SR	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.401	0.005	EDL	ug/g	Wet Wt	1	0.446	90	NA	ICP, Hydride	VGICP_02-02-00	0202SEH	1/28/2000	2/2/2000	14:52	
Feedlot	EJR00-03	E0000051	1	Steer 01	Blood	Primary	7782-49-2	Selenium	0.638	0.005	EDL	ug/g	Wet Wt	1			01/14/00	ICP, Hydride	VGICP_02-02-00	0202SEH	1/28/2000	2/2/2000	14:56	
Feedlot	EJR00-03	E0000052	2	Steer 02	Blood	Primary	7782-49-2	Selenium	0.838	0.005	EDL	ug/g	Wet Wt	1			01/14/00	ICP, Hydride	VGICP_02-02-00	0202SEH	1/28/2000	2/2/2000	14:59	
Feedlot	EJR00-03	E0000053	3	Steer 03	Blood	Primary	7782-49-2	Selenium	0.68	0.005	EDL	ug/g	Wet Wt	1			01/14/00	ICP, Hydride	VGICP_02-02-00	0202SEH	1/28/2000	2/2/2000	15:01	
Feedlot	EJR00-03	E0000054	4	Steer 04	Blood	Primary	7782-49-2	Selenium	0.645	0.005	EDL	ug/g	Wet Wt	1			01/14/00	ICP, Hydride	VGICP_02-28-00	0228SEH	2/22/2000	2/28/2000	11:37	
Feedlot	EJR00-03	E0000055	5	Steer 05	Blood	Primary	7782-49-2	Selenium	0.27	0.005	EDL	ug/g	Wet Wt	1			01/14/00	ICP, Hydride	Not available	Not available	Not available	Not available	Not available	IRD
Feedlot	EJR00-03	E0000056	6	Steer 06	Blood	Primary	7782-49-2	Selenium	0.535	0.005	EDL	ug/g	Wet Wt	1			01/14/00	ICP, Hydride	VGICP_02-02-00	0202SEH	1/28/2000	2/2/2000	15:07	
Feedlot	EJR00-03	E0000057	7	Steer 07	Blood	Primary	7782-49-2	Selenium	0.492	0.005	EDL	ug/g	Wet Wt	1			01/14/00	ICP, Hydride	VGICP_02-28-00	0228SEH	2/22/2000	2/28/2000	11:40	
Feedlot	EJR00-03	E0000058	8	Steer 08	Blood	Primary	7782-49-2	Selenium	0.281	0.005	EDL	ug/g	Wet Wt	1			01/14/00	ICP, Hydride	VGICP_02-02-00	0202SEH	1/28/2000	2/2/2000	15:10	
Feedlot	EJR00-03	E0000059	9	Steer 09	Blood	Primary	7782-49-2	Selenium	0.584	0.005	EDL	ug/g	Wet Wt	1			01/14/00	ICP, Hydride	VGICP_02-02-00	0202SEH	1/28/2000	2/2/2000	15:13	
Feedlot	EJR00-03	E0000060	10	Steer 10	Blood	Primary	7782-49-2	Selenium	0.414	0.005	EDL	ug/g	Wet Wt	1			01/14/00	ICP, Hydride	VGICP_02-02-00	0202SEH	1/28/2000	2/2/2000	15:16	
Feedlot	EJR00-03	E0000060D	10	Steer 10	Blood	ıb Duplica	7782-49-2	Selenium	0.472	0.005	EDL	ug/g	Wet Wt	1			01/14/00	ICP, Hydride	VGICP_02-02-00	0202SEH	1/28/2000	2/2/2000	15:19	
Feedlot	EJR00-03	E0000060SR	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.381	0.005	EDL	ug/g	Wet Wt	1	0.446	85	NA	ICP, Hydride	VGICP_02-02-00	0202SEH	1/28/2000	2/2/2000	15:22	
Feedlot	EJR00-03	E0000061	11	Steer 11	Blood	Primary	7782-49-2	Selenium	0.58	0.005	EDL	ug/g	Wet Wt	1			01/14/00	ICP, Hydride	Not available	Not available	Not available	Not available	Not available	IRD
Feedlot	EJR00-03	E0000062	12	Steer 12	Blood	Primary	7782-49-2	Selenium	0.21	0.005	EDL	ug/g	Wet Wt	1			01/14/00	ICP, Hydride	Not available	Not available	Not available	Not available	Not available	IRD
Feedlot	EJR00-03	E0000063	13	Steer 13	Blood	Primary	7782-49-2	Selenium	0.484	0.005	EDL	ug/g	Wet Wt	1			01/14/00	ICP, Hydride	VGICP_02-02-00	0202SEH	1/28/2000	2/2/2000	15:24	
Feedlot	EJR00-03	E0000064	14	Steer 14	Blood	Primary	7782-49-2	Selenium	0.418	0.005	EDL	ug/g	Wet Wt	1			01/14/00	ICP, Hydride	VGICP_02-02-00	0202SEH	1/28/2000	2/2/2000	15:27	
Feedlot	EJR00-03	E0000065	15	Steer 15	Blood	Primary	7782-49-2	Selenium	0.355	0.005	EDL	ug/g	Wet Wt	1			01/14/00	ICP, Hydride	VGICP_02-02-00	0202SEH	1/28/2000	2/2/2000	15:30	
Feedlot	EJR00-03	E0000067	17	Steer 17	Blood	Primary	7782-49-2	Selenium	0.145	0.005	EDL	ug/g	Wet Wt	1			01/14/00	ICP, Hydride	VGICP_02-02-00	0202SEH	1/28/2000	2/2/2000	15:33	
Feedlot	EJR00-03	E0000068	18	Steer 18	Blood	Primary	7782-49-2	Selenium	0.137	0.005	EDL	ug/g	Wet Wt	1			01/14/00	ICP, Hydride	VGICP_02-02-00	0202SEH	1/28/2000	2/2/2000	15:36	
Feedlot	EJR00-03	E0000069	19	Steer 19	Blood	Primary	7782-49-2	Selenium	0.107	0.005	EDL	ug/g	Wet Wt	1			01/14/00	ICP, Hydride	VGICP_02-02-00	0202SEH	1/28/2000	2/2/2000	15:39	
Feedlot	EJR00-03	E0000070	20	Steer 20	Blood	Primary	7782-49-2	Selenium	0.111	0.005	EDL	ug/g	Wet Wt	1			01/14/00	ICP, Hydride	VGICP_02-02-00	0202SEH	1/28/2000	2/2/2000	15:41	
Feedlot	EJR00-03	E0000070D	20	Steer 20	Blood	ıb Duplica	7782-49-2	Selenium	0.116	0.005	EDL	ug/g	Wet Wt	1			01/14/00	ICP, Hydride	VGICP_02-02-00	0202SEH	1/28/2000	2/2/2000	15:44	
Feedlot	EJR00-03	E0000066	16	Steer 16	Blood	Primary	7782-49-2	Selenium	0.145	0.005	EDL	ug/g	Wet Wt	1			01/14/00	ICP, Hydride	VGICP_02-02-00	0202SEH	1/28/2000	2/2/2000	15:47	
Feedlot	EJR00-03	E0000066SR	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.39	0.005	EDL	ug/g	Wet Wt	1	0.446	87	NA	ICP, Hydride	VGICP_02-02-00	0202SEH	1/28/2000	2/2/2000	15:51	

ATTACHMENT A
MWH EDD - 1999 - 2000 CATTLE TISSUE AND BLOOD DATA

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Feedlot	EJR00-03	E0000066CS	Check Standard	NA	Lab QC	CCV	7782-49-2	Selenium	0.0457	0.005	EDL	ug/g	Wet Wt	1	0.05	91	NA	ICP, Hydride	VGICP_02-02-00	0202SEH	1/28/2000	2/2/2000	15:55	
Feedlot	EJR00-03	E0000071CS	Check Standard	NA	Lab QC	CCV	7782-49-2	Selenium	0.049	0.005	EDL	ug/g	Wet Wt	1	0.050	98	NA	ICP, Hydride	VGICP_02-22-00	0222SEH	2/17/2000	2/22/2000	11:06	
Feedlot	EJR00-03	E0000071B	Laboratory Blank	NA	Lab QC	Blank	7782-49-2	Selenium	-0.0009	0.005	EDL	ug/g	Wet Wt	1			NA	ICP, Hydride	VGICP_02-22-00	0222SEH	2/17/2000	2/22/2000	11:10	
Feedlot	EJR00-03	E0000071SR	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.492	0.005	EDL	ug/g	Wet Wt	1	0.446	110	NA	ICP, Hydride	VGICP_02-22-00	0222SEH	2/17/2000	2/22/2000	11:13	
Feedlot	EJR00-03	E0000071	1	Steer 01	Serum	Primary	7782-49-2	Selenium	0.078	0.005	EDL	ug/g	Wet Wt	1			01/14/00	ICP, Hydride	VGICP_02-22-00	0222SEH	2/17/2000	2/22/2000	11:16	
Feedlot	EJR00-03	E0000072	2	Steer 02	Serum	Primary	7782-49-2	Selenium	0.137	0.005	EDL	ug/g	Wet Wt	1			01/14/00	ICP, Hydride	VGICP_02-22-00	0222SEH	2/17/2000	2/22/2000	11:19	
Feedlot	EJR00-03	E0000073	3	Steer 03	Serum	Primary	7782-49-2	Selenium	0.116	0.005	EDL	ug/g	Wet Wt	1			01/14/00	ICP, Hydride	VGICP_02-22-00	0222SEH	2/17/2000	2/22/2000	11:22	
Feedlot	EJR00-03	E0000074	4	Steer 04	Serum	Primary	7782-49-2	Selenium	0.098	0.005	EDL	ug/g	Wet Wt	1			01/14/00	ICP, Hydride	VGICP_02-22-00	0222SEH	2/17/2000	2/22/2000	11:25	
Feedlot	EJR00-03	E0000075	5	Steer 05	Serum	Primary	7782-49-2	Selenium	0.099	0.005	EDL	ug/g	Wet Wt	1			01/14/00	ICP, Hydride	VGICP_02-22-00	0222SEH	2/17/2000	2/22/2000	11:28	
Feedlot	EJR00-03	E0000076	6	Steer 06	Serum	Primary	7782-49-2	Selenium	0.104	0.005	EDL	ug/g	Wet Wt	1			01/14/00	ICP, Hydride	VGICP_02-22-00	0222SEH	2/17/2000	2/22/2000	11:31	
Feedlot	EJR00-03	E0000077	7	Steer 07	Serum	Primary	7782-49-2	Selenium	0.112	0.005	EDL	ug/g	Wet Wt	1			01/14/00	ICP, Hydride	VGICP_02-22-00	0222SEH	2/17/2000	2/22/2000	11:34	
Feedlot	EJR00-03	E0000078	8	Steer 08	Serum	Primary	7782-49-2	Selenium	0.088	0.005	EDL	ug/g	Wet Wt	1			01/14/00	ICP, Hydride	VGICP_02-22-00	0222SEH	2/17/2000	2/22/2000	11:37	
Feedlot	EJR00-03	E0000079	9	Steer 09	Serum	Primary	7782-49-2	Selenium	0.117	0.005	EDL	ug/g	Wet Wt	1			01/14/00	ICP, Hydride	VGICP_02-22-00	0222SEH	2/17/2000	2/22/2000	11:40	
Feedlot	EJR00-03	E0000080	10	Steer 10	Serum	Primary	7782-49-2	Selenium	0.117	0.005	EDL	ug/g	Wet Wt	1			01/14/00	ICP, Hydride	VGICP_02-22-00	0222SEH	2/17/2000	2/22/2000	11:42	
Feedlot	EJR00-03	E0000080SR	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.46	0.005	EDL	ug/g	Wet Wt	1	0.446	103	NA	ICP, Hydride	VGICP_02-22-00	0222SEH	2/17/2000	2/22/2000	11:45	
Feedlot	EJR00-03	E0000081	11	Steer 11	Serum	Primary	7782-49-2	Selenium	0.103	0.005	EDL	ug/g	Wet Wt	1			01/14/00	ICP, Hydride	VGICP_02-22-00	0222SEH	2/17/2000	2/22/2000	11:48	
Feedlot	EJR00-03	E0000082	12	Steer 12	Serum	Primary	7782-49-2	Selenium	0.1	0.005	EDL	ug/g	Wet Wt	1			01/14/00	ICP, Hydride	VGICP_02-22-00	0222SEH	2/17/2000	2/22/2000	11:51	
Feedlot	EJR00-03	E0000083	13	Steer 13	Serum	Primary	7782-49-2	Selenium	0.1	0.005	EDL	ug/g	Wet Wt	1			01/14/00	ICP, Hydride	VGICP_02-22-00	0222SEH	2/17/2000	2/22/2000	11:54	
Feedlot	EJR00-03	E0000084	14	Steer 14	Serum	Primary	7782-49-2	Selenium	0.102	0.005	EDL	ug/g	Wet Wt	1			01/14/00	ICP, Hydride	VGICP_02-22-00	0222SEH	2/17/2000	2/22/2000	11:57	
Feedlot	EJR00-03	E0000085	15	Steer 15	Serum	Primary	7782-49-2	Selenium	0.115	0.005	EDL	ug/g	Wet Wt	1			01/14/00	ICP, Hydride	VGICP_02-22-00	0222SEH	2/17/2000	2/22/2000	12:00	
Feedlot	EJR00-03	E0000086	16	Steer 16	Serum	Primary	7782-49-2	Selenium	0.067	0.005	EDL	ug/g	Wet Wt	1			01/14/00	ICP, Hydride	VGICP_02-22-00	0222SEH	2/17/2000	2/22/2000	12:03	
Feedlot	EJR00-03	E0000087	17	Steer 17	Serum	Primary	7782-49-2	Selenium	0.071	0.005	EDL	ug/g	Wet Wt	1			01/14/00	ICP, Hydride	VGICP_02-22-00	0222SEH	2/17/2000	2/22/2000	12:06	
Feedlot	EJR00-03	E0000088	18	Steer 18	Serum	Primary	7782-49-2	Selenium	0.066	0.005	EDL	ug/g	Wet Wt	1			01/14/00	ICP, Hydride	VGICP_02-22-00	0222SEH	2/17/2000	2/22/2000	12:09	
Feedlot	EJR00-03	E0000089	19	Steer 19	Serum	Primary	7782-49-2	Selenium	0.063	0.005	EDL	ug/g	Wet Wt	1			01/14/00	ICP, Hydride	VGICP_02-22-00	0222SEH	2/17/2000	2/22/2000	12:12	
Feedlot	EJR00-03	E0000090	20	Steer 20	Serum	Primary	7782-49-2	Selenium	0.053	0.005	EDL	ug/g	Wet Wt	1			01/14/00	ICP, Hydride	VGICP_02-22-00	0222SEH	2/17/2000	2/22/2000	12:15	
Feedlot	EJR00-03	E0000090SR	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.431	0.005	EDL	ug/g	Wet Wt	1	0.446	97	NA	ICP, Hydride	VGICP_02-22-00	0222SEH	2/17/2000	2/22/2000	12:18	
Feedlot	EJR00-03	E0000090B	Laboratory Blank	NA	Lab QC	Blank	7782-49-2	Selenium	-0.0005	0.005	EDL	ug/g	Wet Wt	1			NA	ICP, Hydride	VGICP_02-22-00	0222SEH	2/17/2000	2/22/2000	12:20	
Feedlot	EJR00-03	E0000090CS	Check Standard	NA	Lab QC	CCV	7782-49-2	Selenium	0.298	0.005	EDL	ug/g	Wet Wt	1	0.3	99	NA	ICP, Hydride	VGICP_02-22-00	0222SEH	2/17/2000	2/22/2000	12:23	
Feedlot	EJR00-03	E0000090CS	Check Standard	NA	Lab QC	CCV	7782-49-2	Selenium	0.051	0.005	EDL	ug/g	Wet Wt	1	0.050	102	NA	ICP, Hydride	VGICP_02-22-00	0222SEH	2/17/2000	2/22/2000	12:26	
Feedlot	EJR00-03	7140	Check Standard	NA	Lab QC	CCV	7440-66-6	Zinc	1.2	0.08	EDL	ug/g	Wet Wt	1	1.3	92	NA	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	10:38	
Feedlot	EJR00-03	7140	Check Standard	NA	Lab QC	CCV	7723-14-0	Phosphorus	70.5	2	EDL	ug/g	Wet Wt	1	83.8	84	NA	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	10:38	
Feedlot	EJR00-03	7140	Check Standard	NA	Lab QC	CCV	7439-89-6	Iron	1.71	0.22	EDL	ug/g	Wet Wt	1	1.70	101	NA	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	10:38	
Feedlot	EJR00-03	7140	Check Standard	NA	Lab QC	CCV	7439-95-4	Magnesium	22.3	0.04	EDL	ug/g	Wet Wt	1	24.6	91	NA	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	10:38	
Feedlot	EJR00-03	7140	Check Standard	NA	Lab QC	CCV	7440-50-8	Copper	1.14	0.07	EDL	ug/g	Wet Wt	1	1.33	86	NA	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	10:38	
Feedlot	EJR00-03	7140	Check Standard	NA	Lab QC	CCV	7440-70-2	Calcium	100	0.07	EDL	ug/g	Wet Wt	1	109	92	NA	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	10:38	
Feedlot	EJR00-03	E0000071	1	Steer 01	Serum	Primary	7440-66-6	Zinc	1.2	0.08	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	10:42	
Feedlot	EJR00-03	E0000071	1	Steer 01	Serum	Primary	7723-14-0	phosphorus	81	2	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	10:42	
Feedlot	EJR00-03	E0000071	1	Steer 01	Serum	Primary	7439-89-6	Iron	2.1	0.22	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	10:42	
Feedlot	EJR00-03	E0000071	1	Steer 01	Serum	Primary	7439-95-4	Magnesium	22	0.04	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	10:42	
Feedlot	EJR00-03	E0000071	1	Steer 01	Serum	Primary	7440-50-8	Copper	0.66	0.07	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	10:42	
Feedlot	EJR00-03	E0000071	1	Steer 01	Serum	Primary	7440-70-2	Calcium	108	0.07	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	10:42	
Feedlot	EJR00-03	E0000072	2	Steer 02	Serum	Primary	7440-66-6	Zinc	1.1	0.08	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	10:45	
Feedlot	EJR00-03	E0000072	2	Steer 02	Serum	Primary	7723-14-0	phosphorus	83	2	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	10:45	
Feedlot	EJR00-03	E0000072	2	Steer 02	Serum	Primary	7439-89-6	Iron	2.3	0.22	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	10:45	
Feedlot	EJR00-03	E0000072	2	Steer 02	Serum	Primary	7439-95-4	Magnesium	22	0.04	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	10:45	
Feedlot	EJR00-03	E0000072	2	Steer 02	Serum	Primary	7440-50-8	Copper	0.67	0.07	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	10:45	
Feedlot	EJR00-03	E0000072	2	Steer 02	Serum	Primary	7440-70-2	Calcium	101	0.07	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	10:45	
Feedlot	EJR00-03	E0000073	3	Steer 03	Serum	Primary	7440-66-6	Zinc	1.1	0.08	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	10:49	
Feedlot	EJR00-03	E0000073	3	Steer 03	Serum	Primary	7723-14-0	phosphorus	78	2	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	10:49	
Feedlot	EJR00-03	E0000073	3	Steer 03	Serum	Primary	7439-89-6	Iron	2.2	0.22	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	10:49	
Feedlot	EJR00-03	E0000073	3	Steer 03	Serum	Primary	7439-95-4	Magnesium	23	0.04	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	10:49	
Feedlot	EJR00-03	E0000073	3	Steer 03	Serum	Primary	7440-50-8	Copper	0.74	0.07	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	10:49	
Feedlot	EJR00-03	E0000073	3	Steer 03	Serum	Primary	7440-70-2	Calcium	104	0.07	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	10:49	
Feedlot	EJR00-03	E0000074	4	Steer 04	Serum	Primary	7440-66-6	Zinc	1.8	0.08	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	10:52	
Feedlot	EJR00-03	E0000074	4	Steer 04	Serum	Primary	7723-14-0	phosphorus	67	2	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	10:52	
Feedlot	EJR00-03	E0000074	4	Steer 04	Serum	Primary	7439-89-6	Iron	1.9	0.22	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	10:52	
Feedlot	EJR00-03	E0000074	4	Steer 04	Serum	Primary	7439-95-4	Magnesium	23	0.04	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	10:52	
Feedlot	EJR00-03	E0000074	4	Steer 04	Serum	Primary	7440-50-8	Copper	0.87	0.07	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	10:52	

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Feedlot	EJR00-03	E0000074	4	Steer 04	Serum	Primary	7440-70-2	Calcium	102	0.07	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	10:52	
Feedlot	EJR00-03	E0000075	5	Steer 05	Serum	Primary	7440-66-6	Zinc	0.91	0.08	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	10:55	
Feedlot	EJR00-03	E0000075	5	Steer 05	Serum	Primary	7723-14-0	phosphorus	75	2	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	10:55	
Feedlot	EJR00-03	E0000075	5	Steer 05	Serum	Primary	7439-89-6	Iron	1.6	0.22	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	10:55	
Feedlot	EJR00-03	E0000075	5	Steer 05	Serum	Primary	7439-95-4	Magnesium	22	0.04	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	10:55	
Feedlot	EJR00-03	E0000075	5	Steer 05	Serum	Primary	7440-50-8	Copper	0.89	0.07	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	10:55	
Feedlot	EJR00-03	E0000075	5	Steer 05	Serum	Primary	7440-70-2	Calcium	98	0.07	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	10:55	
Feedlot	EJR00-03	E0000076	6	Steer 06	Serum	Primary	7440-66-6	Zinc	1.1	0.08	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	10:58	
Feedlot	EJR00-03	E0000076	6	Steer 06	Serum	Primary	7723-14-0	phosphorus	83	2	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	10:58	
Feedlot	EJR00-03	E0000076	6	Steer 06	Serum	Primary	7439-89-6	Iron	1.7	0.22	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	10:58	
Feedlot	EJR00-03	E0000076	6	Steer 06	Serum	Primary	7439-95-4	Magnesium	21	0.04	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	10:58	
Feedlot	EJR00-03	E0000076	6	Steer 06	Serum	Primary	7440-50-8	Copper	0.81	0.07	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	10:58	
Feedlot	EJR00-03	E0000076	6	Steer 06	Serum	Primary	7440-70-2	Calcium	101	0.07	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	10:58	
Feedlot	EJR00-03	E0000077	7	Steer 07	Serum	Primary	7440-66-6	Zinc	1.1	0.08	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:01	
Feedlot	EJR00-03	E0000077	7	Steer 07	Serum	Primary	7723-14-0	phosphorus	69	2	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:01	
Feedlot	EJR00-03	E0000077	7	Steer 07	Serum	Primary	7439-89-6	Iron	1.2	0.22	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:01	
Feedlot	EJR00-03	E0000077	7	Steer 07	Serum	Primary	7439-95-4	Magnesium	21	0.04	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:01	
Feedlot	EJR00-03	E0000077	7	Steer 07	Serum	Primary	7440-50-8	Copper	0.69	0.07	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:01	
Feedlot	EJR00-03	E0000077	7	Steer 07	Serum	Primary	7440-70-2	Calcium	101	0.07	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:01	
Feedlot	EJR00-03	E0000078	8	Steer 08	Serum	Primary	7440-66-6	Zinc	1.2	0.08	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:04	
Feedlot	EJR00-03	E0000078	8	Steer 08	Serum	Primary	7723-14-0	phosphorus	80	2	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:04	
Feedlot	EJR00-03	E0000078	8	Steer 08	Serum	Primary	7439-89-6	Iron	2.2	0.22	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:04	
Feedlot	EJR00-03	E0000078	8	Steer 08	Serum	Primary	7439-95-4	Magnesium	22	0.04	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:04	
Feedlot	EJR00-03	E0000078	8	Steer 08	Serum	Primary	7440-50-8	Copper	0.77	0.07	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:04	
Feedlot	EJR00-03	E0000078	8	Steer 08	Serum	Primary	7440-70-2	Calcium	101	0.07	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:04	
Feedlot	EJR00-03	E0000079	9	Steer 09	Serum	Primary	7440-66-6	Zinc	1	0.08	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:07	
Feedlot	EJR00-03	E0000079	9	Steer 09	Serum	Primary	7723-14-0	phosphorus	80	2	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:07	
Feedlot	EJR00-03	E0000079	9	Steer 09	Serum	Primary	7439-89-6	Iron	2.3	0.22	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:07	
Feedlot	EJR00-03	E0000079	9	Steer 09	Serum	Primary	7439-95-4	Magnesium	22	0.04	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:07	
Feedlot	EJR00-03	E0000079	9	Steer 09	Serum	Primary	7440-50-8	Copper	0.74	0.07	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:07	
Feedlot	EJR00-03	E0000079	9	Steer 09	Serum	Primary	7440-70-2	Calcium	101	0.07	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:07	
Feedlot	EJR00-03	E0000080	10	Steer 10	Serum	Primary	7440-66-6	Zinc	1	0.08	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:10	
Feedlot	EJR00-03	E0000080	10	Steer 10	Serum	Primary	7723-14-0	phosphorus	75	2	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:10	
Feedlot	EJR00-03	E0000080	10	Steer 10	Serum	Primary	7439-89-6	Iron	2.1	0.22	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:10	
Feedlot	EJR00-03	E0000080	10	Steer 10	Serum	Primary	7439-95-4	Magnesium	21	0.04	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:10	
Feedlot	EJR00-03	E0000080	10	Steer 10	Serum	Primary	7440-50-8	Copper	1.2	0.07	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:10	
Feedlot	EJR00-03	E0000080	10	Steer 10	Serum	Primary	7440-70-2	Calcium	106	0.07	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:10	
Feedlot	EJR00-03	7140-1	Check Standard	NA	Lab QC	CCV	7440-66-6	Zinc	1.16	0.08	EDL	ug/g	Wet Wt	1	1.3	89	NA	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:13	
Feedlot	EJR00-03	7140-1	Check Standard	NA	Lab QC	CCV	7723-14-0	Phosphorus	75.6	2	EDL	ug/g	Wet Wt	1	83.8	90	NA	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:13	
Feedlot	EJR00-03	7140-1	Check Standard	NA	Lab QC	CCV	7439-89-6	Iron	1.75	0.22	EDL	ug/g	Wet Wt	1	1.70	103	NA	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:13	
Feedlot	EJR00-03	7140-1	Check Standard	NA	Lab QC	CCV	7439-95-4	Magnesium	22.2	0.04	EDL	ug/g	Wet Wt	1	24.6	90	NA	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:13	
Feedlot	EJR00-03	7140-1	Check Standard	NA	Lab QC	CCV	7440-50-8	Copper	1.15	0.07	EDL	ug/g	Wet Wt	1	1.33	86	NA	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:13	
Feedlot	EJR00-03	7140-1	Check Standard	NA	Lab QC	CCV	7440-70-2	Calcium	98.1	0.07	EDL	ug/g	Wet Wt	1	109	90	NA	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:13	
Feedlot	EJR00-03	E0000081	11	Steer 11	Serum	Primary	7440-66-6	Zinc	1	0.08	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:16	
Feedlot	EJR00-03	E0000081	11	Steer 11	Serum	Primary	7723-14-0	phosphorus	88	2	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:16	
Feedlot	EJR00-03	E0000081	11	Steer 11	Serum	Primary	7439-89-6	Iron	2.4	0.22	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:16	
Feedlot	EJR00-03	E0000081	11	Steer 11	Serum	Primary	7439-95-4	Magnesium	22	0.04	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:16	
Feedlot	EJR00-03	E0000081	11	Steer 11	Serum	Primary	7440-50-8	Copper	0.82	0.07	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:16	
Feedlot	EJR00-03	E0000081	11	Steer 11	Serum	Primary	7440-70-2	Calcium	103	0.07	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:16	
Feedlot	EJR00-03	E0000082	12	Steer 12	Serum	Primary	7440-66-6	Zinc	1.1	0.08	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:18	
Feedlot	EJR00-03	E0000082	12	Steer 12	Serum	Primary	7723-14-0	phosphorus	78	2	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:18	
Feedlot	EJR00-03	E0000082	12	Steer 12	Serum	Primary	7439-89-6	Iron	2.2	0.22	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:18	
Feedlot	EJR00-03	E0000082	12	Steer 12	Serum	Primary	7439-95-4	Magnesium	23	0.04	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:18	
Feedlot	EJR00-03	E0000082	12	Steer 12	Serum	Primary	7440-50-8	Copper	0.77	0.07	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:18	
Feedlot	EJR00-03	E0000082	12	Steer 12	Serum	Primary	7440-70-2	Calcium	105	0.07	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:18	
Feedlot	EJR00-03	E0000083	13	Steer 13	Serum	Primary	7440-66-6	Zinc	1.2	0.08	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:21	
Feedlot	EJR00-03	E0000083	13	Steer 13	Serum	Primary	7723-14-0	phosphorus	62	2	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:21	
Feedlot	EJR00-03	E0000083	13	Steer 13	Serum	Primary	7439-89-6	Iron	2.2	0.22	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:21	

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Feedlot	EJR00-03	E0000083	13	Steer 13	Serum	Primary	7439-95-4	Magnesium	20	0.04	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:21	
Feedlot	EJR00-03	E0000083	13	Steer 13	Serum	Primary	7440-50-8	Copper	0.81	0.07	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:21	
Feedlot	EJR00-03	E0000083	13	Steer 13	Serum	Primary	7440-70-2	Calcium	103	0.07	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:21	
Feedlot	EJR00-03	E0000084	14	Steer 14	Serum	Primary	7440-66-6	Zinc	0.89	0.08	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:24	
Feedlot	EJR00-03	E0000084	14	Steer 14	Serum	Primary	7723-14-0	phosphorus	71	2	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:24	
Feedlot	EJR00-03	E0000084	14	Steer 14	Serum	Primary	7439-89-6	Iron	1.8	0.22	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:24	
Feedlot	EJR00-03	E0000084	14	Steer 14	Serum	Primary	7439-95-4	Magnesium	22	0.04	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:24	
Feedlot	EJR00-03	E0000084	14	Steer 14	Serum	Primary	7440-50-8	Copper	0.59	0.07	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:24	
Feedlot	EJR00-03	E0000084	14	Steer 14	Serum	Primary	7440-70-2	Calcium	99	0.07	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:24	
Feedlot	EJR00-03	E0000085	15	Steer 15	Serum	Primary	7440-66-6	Zinc	1.2	0.08	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:27	
Feedlot	EJR00-03	E0000085	15	Steer 15	Serum	Primary	7723-14-0	phosphorus	93	2	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:27	
Feedlot	EJR00-03	E0000085	15	Steer 15	Serum	Primary	7439-89-6	Iron	2	0.22	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:27	
Feedlot	EJR00-03	E0000085	15	Steer 15	Serum	Primary	7439-95-4	Magnesium	26	0.04	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:27	
Feedlot	EJR00-03	E0000085	15	Steer 15	Serum	Primary	7440-50-8	Copper	0.68	0.07	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:27	
Feedlot	EJR00-03	E0000085	15	Steer 15	Serum	Primary	7440-70-2	Calcium	100	0.07	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:27	
Feedlot	EJR00-03	E0000086	16	Steer 16	Serum	Primary	7440-66-6	Zinc	1.1	0.08	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:30	
Feedlot	EJR00-03	E0000086	16	Steer 16	Serum	Primary	7723-14-0	phosphorus	85	2	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:30	
Feedlot	EJR00-03	E0000086	16	Steer 16	Serum	Primary	7439-89-6	Iron	2.1	0.22	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:30	
Feedlot	EJR00-03	E0000086	16	Steer 16	Serum	Primary	7439-95-4	Magnesium	22	0.04	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:30	
Feedlot	EJR00-03	E0000086	16	Steer 16	Serum	Primary	7440-50-8	Copper	0.72	0.07	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:30	
Feedlot	EJR00-03	E0000086	16	Steer 16	Serum	Primary	7440-70-2	Calcium	97	0.07	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:30	
Feedlot	EJR00-03	E0000087	17	Steer 17	Serum	Primary	7440-66-6	Zinc	0.98	0.08	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:33	
Feedlot	EJR00-03	E0000087	17	Steer 17	Serum	Primary	7723-14-0	phosphorus	78	2	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:33	
Feedlot	EJR00-03	E0000087	17	Steer 17	Serum	Primary	7439-89-6	Iron	1.7	0.22	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:33	
Feedlot	EJR00-03	E0000087	17	Steer 17	Serum	Primary	7439-95-4	Magnesium	19	0.04	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:33	
Feedlot	EJR00-03	E0000087	17	Steer 17	Serum	Primary	7440-50-8	Copper	0.87	0.07	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:33	
Feedlot	EJR00-03	E0000087	17	Steer 17	Serum	Primary	7440-70-2	Calcium	101	0.07	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:33	
Feedlot	EJR00-03	E0000088	18	Steer 18	Serum	Primary	7440-66-6	Zinc	1.2	0.08	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:36	
Feedlot	EJR00-03	E0000088	18	Steer 18	Serum	Primary	7723-14-0	phosphorus	77	2	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:36	
Feedlot	EJR00-03	E0000088	18	Steer 18	Serum	Primary	7439-89-6	Iron	1.9	0.22	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:36	
Feedlot	EJR00-03	E0000088	18	Steer 18	Serum	Primary	7439-95-4	Magnesium	22	0.04	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:36	
Feedlot	EJR00-03	E0000088	18	Steer 18	Serum	Primary	7440-50-8	Copper	0.78	0.07	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:36	
Feedlot	EJR00-03	E0000088	18	Steer 18	Serum	Primary	7440-70-2	Calcium	101	0.07	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:36	
Feedlot	EJR00-03	E0000089	19	Steer 19	Serum	Primary	7440-66-6	Zinc	1	0.08	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:39	
Feedlot	EJR00-03	E0000089	19	Steer 19	Serum	Primary	7723-14-0	phosphorus	68	2	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:39	
Feedlot	EJR00-03	E0000089	19	Steer 19	Serum	Primary	7439-89-6	Iron	2.7	0.22	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:39	
Feedlot	EJR00-03	E0000089	19	Steer 19	Serum	Primary	7439-95-4	Magnesium	21	0.04	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:39	
Feedlot	EJR00-03	E0000089	19	Steer 19	Serum	Primary	7440-50-8	Copper	0.84	0.07	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:39	
Feedlot	EJR00-03	E0000089	19	Steer 19	Serum	Primary	7440-70-2	Calcium	108	0.07	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:39	
Feedlot	EJR00-03	E0000090	20	Steer 20	Serum	Primary	7440-66-6	Zinc	0.92	0.08	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:42	
Feedlot	EJR00-03	E0000090	20	Steer 20	Serum	Primary	7723-14-0	phosphorus	81	2	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:42	
Feedlot	EJR00-03	E0000090	20	Steer 20	Serum	Primary	7439-89-6	Iron	2.2	0.22	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:42	
Feedlot	EJR00-03	E0000090	20	Steer 20	Serum	Primary	7439-95-4	Magnesium	20	0.04	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:42	
Feedlot	EJR00-03	E0000090	20	Steer 20	Serum	Primary	7440-50-8	Copper	0.7	0.07	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:42	
Feedlot	EJR00-03	E0000090	20	Steer 20	Serum	Primary	7440-70-2	Calcium	98	0.07	EDL	ug/g	Wet Wt	1			01/14/00	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:42	
Feedlot	EJR00-03	7140-2	Check Standard	NA	Lab QC	CCV	7440-66-6	Zinc	1.24	0.08	EDL	ug/g	Wet Wt	1	1.3	95	NA	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:45	
Feedlot	EJR00-03	7140-2	Check Standard	NA	Lab QC	CCV	7723-14-0	Phosphorus	75.8	2	EDL	ug/g	Wet Wt	1	83.8	90	NA	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:45	
Feedlot	EJR00-03	7140-2	Check Standard	NA	Lab QC	CCV	7439-89-6	Iron	1.92	0.22	EDL	ug/g	Wet Wt	1	1.70	113	NA	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:45	
Feedlot	EJR00-03	7140-2	Check Standard	NA	Lab QC	CCV	7439-95-4	Magnesium	23.7	0.04	EDL	ug/g	Wet Wt	1	24.6	96	NA	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:45	
Feedlot	EJR00-03	7140-2	Check Standard	NA	Lab QC	CCV	7440-50-8	Copper	1.16	0.07	EDL	ug/g	Wet Wt	1	1.33	87	NA	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:45	
Feedlot	EJR00-03	7140-2	Check Standard	NA	Lab QC	CCV	7440-70-2	Calcium	99.2	0.07	EDL	ug/g	Wet Wt	1	109	91	NA	ICP - TES	TESICP_02-02-00A	0202ATES	2/2/2000	2/2/2000	11:45	
Feedlot	EJR00-04	E0000091CS	Check Standard	NA	Lab QC	CCV	7782-49-2	Selenium	49.3	0.005	EDL	ug/g	Wet Wt	1			NA	ICP, Hydride	VGICP_02-04-00	0204SEMW	2/1/2000	2/4/2000	9:37	
Feedlot	EJR00-04	E0000091B	Laboratory Blank	NA	Lab QC	Blank	7782-49-2	Selenium	-0.00083	0.005	EDL	ug/g	Wet Wt	1			NA	ICP, Hydride	VGICP_02-04-00	0204SEMW	2/1/2000	2/4/2000	9:40	
Feedlot	EJR00-04	E0000091SR	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.789	0.005	EDL	ug/g	Wet Wt	1	0.446	177	NA	ICP, Hydride	VGICP_02-04-00	0204SEMW	2/1/2000	2/4/2000	9:43	
Feedlot	EJR00-04	E0000091	1	Steer 01	Blood	Primary	7782-49-2	Selenium	0.557	0.005	EDL	ug/g	Wet Wt	1			1/28/2000	ICP, Hydride	VGICP_02-04-00	0204SEMW	2/1/2000	2/4/2000	9:46	
Feedlot	EJR00-04	E0000092	2	Steer 02	Blood	Primary	7782-49-2	Selenium	0.676	0.005	EDL	ug/g	Wet Wt	1			1/28/2000	ICP, Hydride	VGICP_02-04-00	0204SEMW	2/1/2000	2/4/2000	9:49	
Feedlot	EJR00-04	E0000093	3	Steer 03	Blood	Primary	7782-49-2	Selenium	0.987	0.005	EDL	ug/g	Wet Wt	1			1/28/2000	ICP, Hydride	VGICP_02-04-00	0204SEMW	2/1/2000	2/4/2000	9:52	
Feedlot	EJR00-04	E0000094	4	Steer 04	Blood	Primary	7782-49-2	Selenium	0.620	0.005	EDL	ug/g	Wet Wt	1			1/28/2000	ICP, Hydride	VGICP_02-04-00	0204SEMW	2/1/2000	2/4/2000	9:55	

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Feedlot	EJR00-04	E0000095	5	Steer 05	Blood	Primary	7782-49-2	Selenium	0.448	0.005	EDL	ug/g	Wet Wt	1			1/28/2000	ICP, Hydride	VGICP_02-04-00	0204SEMW	2/1/2000	2/4/2000	9:58	
Feedlot	EJR00-04	E0000096	6	Steer 06	Blood	Primary	7782-49-2	Selenium	0.547	0.005	EDL	ug/g	Wet Wt	1			1/28/2000	ICP, Hydride	VGICP_02-04-00	0204SEMW	2/1/2000	2/4/2000	10:01	
Feedlot	EJR00-04	E0000097	7	Steer 07	Blood	Primary	7782-49-2	Selenium	0.450	0.005	EDL	ug/g	Wet Wt	1			1/28/2000	ICP, Hydride	VGICP_02-04-00	0204SEMW	2/1/2000	2/4/2000	10:03	
Feedlot	EJR00-04	E0000098	8	Steer 08	Blood	Primary	7782-49-2	Selenium	0.653	0.005	EDL	ug/g	Wet Wt	1			1/28/2000	ICP, Hydride	VGICP_02-04-00	0204SEMW	2/1/2000	2/4/2000	10:06	
Feedlot	EJR00-04	E0000099	9	Steer 09	Blood	Primary	7782-49-2	Selenium	0.442	0.005	EDL	ug/g	Wet Wt	1			1/28/2000	ICP, Hydride	VGICP_02-04-00	0204SEMW	2/1/2000	2/4/2000	10:09	
Feedlot	EJR00-04	E0000100	10	Steer 10	Blood	Primary	7782-49-2	Selenium	0.533	0.005	EDL	ug/g	Wet Wt	1			1/28/2000	ICP, Hydride	VGICP_02-04-00	0204SEMW	2/1/2000	2/4/2000	10:12	
Feedlot	EJR00-04	E0000100SR	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.505	0.005	EDL	ug/g	Wet Wt	1	0.446	113	NA	ICP, Hydride	VGICP_02-04-00	0204SEMW	2/1/2000	2/4/2000	10:15	
Feedlot	EJR00-04	E0000101	11	Steer 11	Blood	Primary	7782-49-2	Selenium	0.415	0.005	EDL	ug/g	Wet Wt	1			1/28/2000	ICP, Hydride	VGICP_02-04-00	0204SEMW	2/1/2000	2/4/2000	10:18	
Feedlot	EJR00-04	E0000101D	11	Steer 11	Blood	ıb Duplica	7782-49-2	Selenium	0.436	0.005	EDL	ug/g	Wet Wt	1			1/28/2000	ICP, Hydride	VGICP_02-04-00	0204SEMW	2/1/2000	2/4/2000	10:20	
Feedlot	EJR00-04	E0000102	12	Steer 12	Blood	Primary	7782-49-2	Selenium	0.395	0.005	EDL	ug/g	Wet Wt	1			1/28/2000	ICP, Hydride	VGICP_02-04-00	0204SEMW	2/1/2000	2/4/2000	10:23	
Feedlot	EJR00-04	E0000103	13	Steer 13	Blood	Primary	7782-49-2	Selenium	0.647	0.005	EDL	ug/g	Wet Wt	1			1/28/2000	ICP, Hydride	VGICP_02-04-00	0204SEMW	2/1/2000	2/4/2000	10:26	
Feedlot	EJR00-04	E0000104	14	Steer 14	Blood	Primary	7782-49-2	Selenium	0.466	0.005	EDL	ug/g	Wet Wt	1			1/28/2000	ICP, Hydride	VGICP_02-04-00	0204SEMW	2/1/2000	2/4/2000	10:29	
Feedlot	EJR00-04	E0000105	15	Steer 15	Blood	Primary	7782-49-2	Selenium	0.438	0.005	EDL	ug/g	Wet Wt	1			1/28/2000	ICP, Hydride	VGICP_02-04-00	0204SEMW	2/1/2000	2/4/2000	10:32	
Feedlot	EJR00-04	E0000106	16	Steer 16	Blood	Primary	7782-49-2	Selenium	0.228	0.005	EDL	ug/g	Wet Wt	1			1/28/2000	ICP, Hydride	VGICP_02-04-00	0204SEMW	2/1/2000	2/4/2000	10:35	
Feedlot	EJR00-04	E0000107	17	Steer 17	Blood	Primary	7782-49-2	Selenium	0.241	0.005	EDL	ug/g	Wet Wt	1			1/28/2000	ICP, Hydride	VGICP_02-04-00	0204SEMW	2/1/2000	2/4/2000	10:38	
Feedlot	EJR00-04	E0000108	18	Steer 18	Blood	Primary	7782-49-2	Selenium	0.216	0.005	EDL	ug/g	Wet Wt	1			1/28/2000	ICP, Hydride	VGICP_02-04-00	0204SEMW	2/1/2000	2/4/2000	10:41	
Feedlot	EJR00-04	E0000109	19	Steer 19	Blood	Primary	7782-49-2	Selenium	0.214	0.005	EDL	ug/g	Wet Wt	1			1/28/2000	ICP, Hydride	VGICP_02-04-00	0204SEMW	2/1/2000	2/4/2000	10:43	
Feedlot	EJR00-04	E0000110	20	Steer 20	Blood	Primary	7782-49-2	Selenium	0.163	0.005	EDL	ug/g	Wet Wt	1			1/28/2000	ICP, Hydride	VGICP_02-04-00	0204SEMW	2/1/2000	2/4/2000	10:46	
Feedlot	EJR00-04	E0000110D	20	Steer 20	Blood	ıb Duplica	7782-49-2	Selenium	0.144	0.005	EDL	ug/g	Wet Wt	1			1/28/2000	ICP, Hydride	VGICP_02-04-00	0204SEMW	2/1/2000	2/4/2000	10:49	
Feedlot	EJR00-04	E0000110SR	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.505	0.005	EDL	ug/g	Wet Wt	1	0.446	113	NA	ICP, Hydride	VGICP_02-04-00	0204SEMW	2/1/2000	2/4/2000	10:52	
Feedlot	EJR00-04	E0000111CS	Check Standard	NA	Lab QC	CCV	7782-49-2	Selenium	0.048	0.005	EDL	ug/g	Wet Wt	1	0.050	96	NA	ICP, Hydride	VGICP_03-06-00	0306SEH	2/17/2000	3/6/2000	8:28	
Feedlot	EJR00-04	E0000111B	Laboratory Blank	NA	Lab QC	Blank	7782-49-2	Selenium	-0.00122	0.005	EDL	ug/g	Wet Wt	1			NA	ICP, Hydride	VGICP_03-06-00	0306SEH	2/17/2000	3/6/2000	8:28	
Feedlot	EJR00-04	E0000111SR	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.465	0.005	EDL	ug/g	Wet Wt	1	0.446	104	NA	ICP, Hydride	VGICP_03-06-00	0306SEH	2/17/2000	3/6/2000	8:28	
Feedlot	EJR00-04	E0000111	1	Steer 01	Serum	Primary	7782-49-2	Selenium	0.038	0.005	EDL	ug/g	Wet Wt	1			1/28/2000	ICP, Hydride	VGICP_03-06-00	0306SEH	2/17/2000	3/6/2000	8:31	
Feedlot	EJR00-04	E0000112	2	Steer 02	Serum	Primary	7782-49-2	Selenium	0.118	0.005	EDL	ug/g	Wet Wt	1			1/28/2000	ICP, Hydride	VGICP_03-06-00	0306SEH	2/17/2000	3/6/2000	8:34	
Feedlot	EJR00-04	E0000113	3	Steer 03	Serum	Primary	7782-49-2	Selenium	0.094	0.005	EDL	ug/g	Wet Wt	1			1/28/2000	ICP, Hydride	VGICP_03-06-00	0306SEH	2/17/2000	3/6/2000	8:37	
Feedlot	EJR00-04	E0000114	4	Steer 04	Serum	Primary	7782-49-2	Selenium	0.098	0.005	EDL	ug/g	Wet Wt	1			1/28/2000	ICP, Hydride	VGICP_03-06-00	0306SEH	2/17/2000	3/6/2000	8:40	
Feedlot	EJR00-04	E0000115	5	Steer 05	Serum	Primary	7782-49-2	Selenium	0.088	0.005	EDL	ug/g	Wet Wt	1			1/28/2000	ICP, Hydride	VGICP_03-06-00	0306SEH	2/17/2000	3/6/2000	8:43	
Feedlot	EJR00-04	E0000116	6	Steer 06	Serum	Primary	7782-49-2	Selenium	0.098	0.005	EDL	ug/g	Wet Wt	1			1/28/2000	ICP, Hydride	VGICP_03-06-00	0306SEH	2/17/2000	3/6/2000	8:46	
Feedlot	EJR00-04	E0000117	7	Steer 07	Serum	Primary	7782-49-2	Selenium	0.105	0.005	EDL	ug/g	Wet Wt	1			1/28/2000	ICP, Hydride	VGICP_03-06-00	0306SEH	2/17/2000	3/6/2000	8:49	
Feedlot	EJR00-04	E0000118	8	Steer 08	Serum	Primary	7782-49-2	Selenium	0.081	0.005	EDL	ug/g	Wet Wt	1			1/28/2000	ICP, Hydride	VGICP_03-06-00	0306SEH	2/17/2000	3/6/2000	8:51	
Feedlot	EJR00-04	E0000119	9	Steer 09	Serum	Primary	7782-49-2	Selenium	0.108	0.005	EDL	ug/g	Wet Wt	1			1/28/2000	ICP, Hydride	VGICP_03-06-00	0306SEH	2/17/2000	3/6/2000	8:54	
Feedlot	EJR00-04	E0000120	10	Steer 10	Serum	Primary	7782-49-2	Selenium	0.12	0.005	EDL	ug/g	Wet Wt	1			1/28/2000	ICP, Hydride	VGICP_03-06-00	0306SEH	2/17/2000	3/6/2000	8:57	
Feedlot	EJR00-04	E0000120SR	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.458	0.005	EDL	ug/g	Wet Wt	1	0.446	103	NA	ICP, Hydride	VGICP_03-06-00	0306SEH	2/17/2000	3/6/2000	9:00	
Feedlot	EJR00-04	E0000121	11	Steer 11	Serum	Primary	7782-49-2	Selenium	0.103	0.005	EDL	ug/g	Wet Wt	1			1/28/2000	ICP, Hydride	VGICP_03-06-00	0306SEH	2/17/2000	3/6/2000	9:03	
Feedlot	EJR00-04	E0000122	12	Steer 12	Serum	Primary	7782-49-2	Selenium	0.139	0.005	EDL	ug/g	Wet Wt	1			1/28/2000	ICP, Hydride	VGICP_03-06-00	0306SEH	2/17/2000	3/6/2000	9:05	
Feedlot	EJR00-04	E0000123	13	Steer 13	Serum	Primary	7782-49-2	Selenium	0.040	0.005	EDL	ug/g	Wet Wt	1			1/28/2000	ICP, Hydride	VGICP_03-06-00	0306SEH	2/17/2000	3/6/2000	9:08	
Feedlot	EJR00-04	E0000124	14	Steer 14	Serum	Primary	7782-49-2	Selenium	0.104	0.005	EDL	ug/g	Wet Wt	1			1/28/2000	ICP, Hydride	VGICP_03-06-00	0306SEH	2/17/2000	3/6/2000	9:11	
Feedlot	EJR00-04	E0000125	15	Steer 15	Serum	Primary	7782-49-2	Selenium	0.11	0.005	EDL	ug/g	Wet Wt	1			1/28/2000	ICP, Hydride	VGICP_03-06-00	0306SEH	2/17/2000	3/6/2000	9:14	
Feedlot	EJR00-04	E0000126	16	Steer 16	Serum	Primary	7782-49-2	Selenium	0.067	0.005	EDL	ug/g	Wet Wt	1			1/28/2000	ICP, Hydride	VGICP_03-06-00	0306SEH	2/17/2000	3/6/2000	9:17	
Feedlot	EJR00-04	E0000127	17	Steer 17	Serum	Primary	7782-49-2	Selenium	0.061	0.005	EDL	ug/g	Wet Wt	1			1/28/2000	ICP, Hydride	VGICP_03-06-00	0306SEH	2/17/2000	3/6/2000	9:20	
Feedlot	EJR00-04	E0000128	18	Steer 18	Serum	Primary	7782-49-2	Selenium	0.037	0.005	EDL	ug/g	Wet Wt	1			1/28/2000	ICP, Hydride	VGICP_03-06-00	0306SEH	2/17/2000	3/6/2000	9:23	
Feedlot	EJR00-04	E0000129	19	Steer 19	Serum	Primary	7782-49-2	Selenium	0.065	0.005	EDL	ug/g	Wet Wt	1			1/28/2000	ICP, Hydride	VGICP_03-06-00	0306SEH	2/17/2000	3/6/2000	9:25	
Feedlot	EJR00-04	E0000130	20	Steer 20	Serum	Primary	7782-49-2	Selenium	0.065	0.005	EDL	ug/g	Wet Wt	1			1/28/2000	ICP, Hydride	VGICP_03-06-00	0306SEH	2/17/2000	3/6/2000	9:28	
Feedlot	EJR00-04	E0000130SR	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.449	0.005	EDL	ug/g	Wet Wt	1	0.446	101	NA	ICP, Hydride	VGICP_03-06-00	0306SEH	2/17/2000	3/6/2000	9:31	
Feedlot	EJR00-04	7140	Check Standard	NA	Lab QC	CCV	7440-66-6	Zinc	1.26	0.08	EDL	ug/g	Wet Wt	1	1.3	97	NA	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:11	
Feedlot	EJR00-04	7140	Check Standard	NA	Lab QC	CCV	7723-14-0	Phosphorus	78.3	2	EDL	ug/g	Wet Wt	1	83.8	93	NA	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:11	
Feedlot	EJR00-04	7140	Check Standard	NA	Lab QC	CCV	7439-89-6	Iron	1.75	0.22	EDL	ug/g	Wet Wt	1	1.70	103	NA	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:11	
Feedlot	EJR00-04	7140	Check Standard	NA	Lab QC	CCV	7439-95-4	Magnesium	22.6	0.04	EDL	ug/g	Wet Wt	1	24.6	92	NA	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:11	
Feedlot	EJR00-04	7140	Check Standard	NA	Lab QC	CCV	7440-50-8	Copper	1.16	0.07	EDL	ug/g	Wet Wt	1	1.33	87	NA	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:11	
Feedlot	EJR00-04	7140	Check Standard	NA	Lab QC	CCV	7440-70-2	Calcium	100	0.07	EDL	ug/g	Wet Wt	1	109	92	NA	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:11	
Feedlot	EJR00-04	E0000111	1	Steer 01	Serum	Primary	7440-66-6	Zinc	1.26	0.08	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:14	
Feedlot	EJR00-04	E0000111	1	Steer 01	Serum	Primary	7723-14-0	phosphorus	85.4	2	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:14	
Feedlot	EJR00-04	E0000111	1	Steer 01	Serum	Primary	7439-89-6	Iron	2.53	0.22	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:14	
Feedlot	EJR00-04	E0000111	1	Steer 01	Serum	Primary	7439-95-4	Magnesium	22.1	0.04	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:14	
Feedlot	EJR00-04	E0000111	1	Steer 01	Serum	Primary	7440-50-8	Copper	0.686	0.07	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:14	
Feedlot	EJR00-04	E0000111	1	Steer 01	Serum	Primary	7440-70-2	Calcium	103	0.07	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:14	
Feedlot	EJR00-04	E0000112	2	Steer 02	Serum	Primary	7440-66-6	Zinc	0.927	0.08	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:17	

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Feedlot	EJR00-04	E0000112	2	Steer 02	Serum	Primary	7723-14-0	phosphorus	69.4	2	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:17	
Feedlot	EJR00-04	E0000112	2	Steer 02	Serum	Primary	7439-89-6	Iron	2.04	0.22	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:17	
Feedlot	EJR00-04	E0000112	2	Steer 02	Serum	Primary	7439-95-4	Magnesium	19.1	0.04	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:17	
Feedlot	EJR00-04	E0000112	2	Steer 02	Serum	Primary	7440-50-8	Copper	0.731	0.07	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:17	
Feedlot	EJR00-04	E0000112	2	Steer 02	Serum	Primary	7440-70-2	Calcium	101	0.07	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:17	
Feedlot	EJR00-04	E0000113	3	Steer 03	Serum	Primary	7440-66-6	Zinc	0.913	0.08	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:20	
Feedlot	EJR00-04	E0000113	3	Steer 03	Serum	Primary	7723-14-0	phosphorus	73.4	2	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:20	
Feedlot	EJR00-04	E0000113	3	Steer 03	Serum	Primary	7439-89-6	Iron	2.51	0.22	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:20	
Feedlot	EJR00-04	E0000113	3	Steer 03	Serum	Primary	7439-95-4	Magnesium	22	0.04	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:20	
Feedlot	EJR00-04	E0000113	3	Steer 03	Serum	Primary	7440-50-8	Copper	0.68	0.07	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:20	
Feedlot	EJR00-04	E0000113	3	Steer 03	Serum	Primary	7440-70-2	Calcium	103	0.07	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:20	
Feedlot	EJR00-04	E0000114	4	Steer 04	Serum	Primary	7440-66-6	Zinc	1.06	0.08	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:23	
Feedlot	EJR00-04	E0000114	4	Steer 04	Serum	Primary	7723-14-0	phosphorus	81.7	2	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:23	
Feedlot	EJR00-04	E0000114	4	Steer 04	Serum	Primary	7439-89-6	Iron	2.09	0.22	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:23	
Feedlot	EJR00-04	E0000114	4	Steer 04	Serum	Primary	7439-95-4	Magnesium	22.2	0.04	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:23	
Feedlot	EJR00-04	E0000114	4	Steer 04	Serum	Primary	7440-50-8	Copper	0.761	0.07	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:23	
Feedlot	EJR00-04	E0000114	4	Steer 04	Serum	Primary	7440-70-2	Calcium	93.9	0.07	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:23	
Feedlot	EJR00-04	E0000115	5	Steer 05	Serum	Primary	7440-66-6	Zinc	0.835	0.08	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:26	
Feedlot	EJR00-04	E0000115	5	Steer 05	Serum	Primary	7723-14-0	phosphorus	63.2	2	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:26	
Feedlot	EJR00-04	E0000115	5	Steer 05	Serum	Primary	7439-89-6	Iron	1.37	0.22	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:26	
Feedlot	EJR00-04	E0000115	5	Steer 05	Serum	Primary	7439-95-4	Magnesium	19.7	0.04	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:26	
Feedlot	EJR00-04	E0000115	5	Steer 05	Serum	Primary	7440-50-8	Copper	1.21	0.07	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:26	
Feedlot	EJR00-04	E0000115	5	Steer 05	Serum	Primary	7440-70-2	Calcium	94.1	0.07	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:26	
Feedlot	EJR00-04	E0000116	6	Steer 06	Serum	Primary	7440-66-6	Zinc	0.855	0.08	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:29	
Feedlot	EJR00-04	E0000116	6	Steer 06	Serum	Primary	7723-14-0	phosphorus	85.3	2	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:29	
Feedlot	EJR00-04	E0000116	6	Steer 06	Serum	Primary	7439-89-6	Iron	1.58	0.22	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:29	
Feedlot	EJR00-04	E0000116	6	Steer 06	Serum	Primary	7439-95-4	Magnesium	22.5	0.04	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:29	
Feedlot	EJR00-04	E0000116	6	Steer 06	Serum	Primary	7440-50-8	Copper	0.78	0.07	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:29	
Feedlot	EJR00-04	E0000116	6	Steer 06	Serum	Primary	7440-70-2	Calcium	96.2	0.07	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:29	
Feedlot	EJR00-04	E0000117	7	Steer 07	Serum	Primary	7440-66-6	Zinc	1.01	0.08	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:32	
Feedlot	EJR00-04	E0000117	7	Steer 07	Serum	Primary	7723-14-0	phosphorus	71.6	2	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:32	
Feedlot	EJR00-04	E0000117	7	Steer 07	Serum	Primary	7439-89-6	Iron	1.59	0.22	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:32	
Feedlot	EJR00-04	E0000117	7	Steer 07	Serum	Primary	7439-95-4	Magnesium	22.7	0.04	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:32	
Feedlot	EJR00-04	E0000117	7	Steer 07	Serum	Primary	7440-50-8	Copper	0.753	0.07	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:32	
Feedlot	EJR00-04	E0000117	7	Steer 07	Serum	Primary	7440-70-2	Calcium	101	0.07	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:32	
Feedlot	EJR00-04	E0000118	8	Steer 08	Serum	Primary	7440-66-6	Zinc	1.14	0.08	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:35	
Feedlot	EJR00-04	E0000118	8	Steer 08	Serum	Primary	7723-14-0	phosphorus	69.6	2	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:35	
Feedlot	EJR00-04	E0000118	8	Steer 08	Serum	Primary	7439-89-6	Iron	1.71	0.22	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:35	
Feedlot	EJR00-04	E0000118	8	Steer 08	Serum	Primary	7439-95-4	Magnesium	21.3	0.04	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:35	
Feedlot	EJR00-04	E0000118	8	Steer 08	Serum	Primary	7440-50-8	Copper	0.911	0.07	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:35	
Feedlot	EJR00-04	E0000118	8	Steer 08	Serum	Primary	7440-70-2	Calcium	96.2	0.07	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:35	
Feedlot	EJR00-04	E0000119	9	Steer 09	Serum	Primary	7440-66-6	Zinc	1.13	0.08	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:38	
Feedlot	EJR00-04	E0000119	9	Steer 09	Serum	Primary	7723-14-0	phosphorus	69.5	2	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:38	
Feedlot	EJR00-04	E0000119	9	Steer 09	Serum	Primary	7439-89-6	Iron	2.19	0.22	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:38	
Feedlot	EJR00-04	E0000119	9	Steer 09	Serum	Primary	7439-95-4	Magnesium	20.8	0.04	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:38	
Feedlot	EJR00-04	E0000119	9	Steer 09	Serum	Primary	7440-50-8	Copper	0.803	0.07	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:38	
Feedlot	EJR00-04	E0000119	9	Steer 09	Serum	Primary	7440-70-2	Calcium	95.4	0.07	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:38	
Feedlot	EJR00-04	E0000120	10	Steer 10	Serum	Primary	7440-66-6	Zinc	0.903	0.08	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:41	
Feedlot	EJR00-04	E0000120	10	Steer 10	Serum	Primary	7723-14-0	phosphorus	63.6	2	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:41	
Feedlot	EJR00-04	E0000120	10	Steer 10	Serum	Primary	7439-89-6	Iron	1.73	0.22	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:41	
Feedlot	EJR00-04	E0000120	10	Steer 10	Serum	Primary	7439-95-4	Magnesium	20.1	0.04	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:41	
Feedlot	EJR00-04	E0000120	10	Steer 10	Serum	Primary	7440-50-8	Copper	1.27	0.07	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:41	
Feedlot	EJR00-04	E0000120	10	Steer 10	Serum	Primary	7440-70-2	Calcium	103	0.07	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:41	
Feedlot	EJR00-04	7140-1	Check Standard	NA	Lab QC	CCV	7440-66-6	Zinc	1.26	0.08	EDL	ug/g	Wet Wt	1	1.3	97	NA	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:44	
Feedlot	EJR00-04	7140-1	Check Standard	NA	Lab QC	CCV	7723-14-0	Phosphorus	80.8	2	EDL	ug/g	Wet Wt	1	83.8	96	NA	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:44	
Feedlot	EJR00-04	7140-1	Check Standard	NA	Lab QC	CCV	7439-89-6	Iron	1.76	0.22	EDL	ug/g	Wet Wt	1	1.70	104	NA	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:44	
Feedlot	EJR00-04	7140-1	Check Standard	NA	Lab QC	CCV	7439-95-4	Magnesium	22.4	0.04	EDL	ug/g	Wet Wt	1	24.6	91	NA	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:44	
Feedlot	EJR00-04	7140-1	Check Standard	NA	Lab QC	CCV	7440-50-8	Copper	1.16	0.07	EDL	ug/g	Wet Wt	1	1.33	87	NA	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:44	

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Feedlot	EJR00-04	7140-1	Check Standard	NA	Lab QC	CCV	7440-70-2	Calcium	100	0.07	EDL	ug/g	Wet Wt	1	109	92	NA	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:44	
Feedlot	EJR00-04	E0000121	11	Steer 11	Serum	Primary	7440-66-6	Zinc	1.08	0.08	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:47	
Feedlot	EJR00-04	E0000121	11	Steer 11	Serum	Primary	7723-14-0	phosphorus	84.3	2	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:47	
Feedlot	EJR00-04	E0000121	11	Steer 11	Serum	Primary	7439-89-6	Iron	2.34	0.22	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:47	
Feedlot	EJR00-04	E0000121	11	Steer 11	Serum	Primary	7439-95-4	Magnesium	23.7	0.04	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:47	
Feedlot	EJR00-04	E0000121	11	Steer 11	Serum	Primary	7440-50-8	Copper	0.88	0.07	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:47	
Feedlot	EJR00-04	E0000121	11	Steer 11	Serum	Primary	7440-70-2	Calcium	94.8	0.07	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:47	
Feedlot	EJR00-04	E0000122	12	Steer 12	Serum	Primary	7440-66-6	Zinc	0.728	0.08	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:50	
Feedlot	EJR00-04	E0000122	12	Steer 12	Serum	Primary	7723-14-0	phosphorus	45.8	2	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:50	
Feedlot	EJR00-04	E0000122	12	Steer 12	Serum	Primary	7439-89-6	Iron	0.78	0.22	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:50	
Feedlot	EJR00-04	E0000122	12	Steer 12	Serum	Primary	7439-95-4	Magnesium	45.1	0.04	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:50	
Feedlot	EJR00-04	E0000122	12	Steer 12	Serum	Primary	7440-50-8	Copper	1.37	0.07	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:50	
Feedlot	EJR00-04	E0000122	12	Steer 12	Serum	Primary	7440-70-2	Calcium	101	0.07	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:50	
Feedlot	EJR00-04	E0000123	13	Steer 13	Serum	Primary	7440-66-6	Zinc	1.11	0.08	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:52	
Feedlot	EJR00-04	E0000123	13	Steer 13	Serum	Primary	7723-14-0	phosphorus	52.4	2	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:52	
Feedlot	EJR00-04	E0000123	13	Steer 13	Serum	Primary	7439-89-6	Iron	2.06	0.22	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:52	
Feedlot	EJR00-04	E0000123	13	Steer 13	Serum	Primary	7439-95-4	Magnesium	19.1	0.04	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:52	
Feedlot	EJR00-04	E0000123	13	Steer 13	Serum	Primary	7440-50-8	Copper	1.07	0.07	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:52	
Feedlot	EJR00-04	E0000123	13	Steer 13	Serum	Primary	7440-70-2	Calcium	104	0.07	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:52	
Feedlot	EJR00-04	E0000124	14	Steer 14	Serum	Primary	7440-66-6	Zinc	0.922	0.08	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:55	
Feedlot	EJR00-04	E0000124	14	Steer 14	Serum	Primary	7723-14-0	phosphorus	59.5	2	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:55	
Feedlot	EJR00-04	E0000124	14	Steer 14	Serum	Primary	7439-89-6	Iron	1.78	0.22	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:55	
Feedlot	EJR00-04	E0000124	14	Steer 14	Serum	Primary	7439-95-4	Magnesium	21	0.04	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:55	
Feedlot	EJR00-04	E0000124	14	Steer 14	Serum	Primary	7440-50-8	Copper	0.657	0.07	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:55	
Feedlot	EJR00-04	E0000124	14	Steer 14	Serum	Primary	7440-70-2	Calcium	99.4	0.07	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:55	
Feedlot	EJR00-04	E0000125	15	Steer 15	Serum	Primary	7440-66-6	Zinc	0.911	0.08	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:58	
Feedlot	EJR00-04	E0000125	15	Steer 15	Serum	Primary	7723-14-0	phosphorus	84.9	2	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:58	
Feedlot	EJR00-04	E0000125	15	Steer 15	Serum	Primary	7439-89-6	Iron	1.78	0.22	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:58	
Feedlot	EJR00-04	E0000125	15	Steer 15	Serum	Primary	7439-95-4	Magnesium	21.8	0.04	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:58	
Feedlot	EJR00-04	E0000125	15	Steer 15	Serum	Primary	7440-50-8	Copper	0.731	0.07	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:58	
Feedlot	EJR00-04	E0000125	15	Steer 15	Serum	Primary	7440-70-2	Calcium	96.7	0.07	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	13:58	
Feedlot	EJR00-04	E0000126	16	Steer 16	Serum	Primary	7440-66-6	Zinc	0.938	0.08	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	14:02	
Feedlot	EJR00-04	E0000126	16	Steer 16	Serum	Primary	7723-14-0	phosphorus	84.9	2	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	14:02	
Feedlot	EJR00-04	E0000126	16	Steer 16	Serum	Primary	7439-89-6	Iron	1.88	0.22	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	14:02	
Feedlot	EJR00-04	E0000126	16	Steer 16	Serum	Primary	7439-95-4	Magnesium	28.1	0.04	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	14:02	
Feedlot	EJR00-04	E0000126	16	Steer 16	Serum	Primary	7440-50-8	Copper	0.731	0.07	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	14:02	
Feedlot	EJR00-04	E0000126	16	Steer 16	Serum	Primary	7440-70-2	Calcium	92.3	0.07	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	14:02	
Feedlot	EJR00-04	E0000127	17	Steer 17	Serum	Primary	7440-66-6	Zinc	0.954	0.08	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	14:06	
Feedlot	EJR00-04	E0000127	17	Steer 17	Serum	Primary	7723-14-0	phosphorus	82	2	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	14:06	
Feedlot	EJR00-04	E0000127	17	Steer 17	Serum	Primary	7439-89-6	Iron	1.51	0.22	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	14:06	
Feedlot	EJR00-04	E0000127	17	Steer 17	Serum	Primary	7439-95-4	Magnesium	18.6	0.04	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	14:06	
Feedlot	EJR00-04	E0000127	17	Steer 17	Serum	Primary	7440-50-8	Copper	0.897	0.07	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	14:06	
Feedlot	EJR00-04	E0000127	17	Steer 17	Serum	Primary	7440-70-2	Calcium	98.4	0.07	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	14:06	
Feedlot	EJR00-04	E0000128	18	Steer 18	Serum	Primary	7440-66-6	Zinc	1.05	0.08	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	14:09	
Feedlot	EJR00-04	E0000128	18	Steer 18	Serum	Primary	7723-14-0	phosphorus	78.1	2	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	14:09	
Feedlot	EJR00-04	E0000128	18	Steer 18	Serum	Primary	7439-89-6	Iron	1.84	0.22	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	14:09	
Feedlot	EJR00-04	E0000128	18	Steer 18	Serum	Primary	7439-95-4	Magnesium	21.6	0.04	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	14:09	
Feedlot	EJR00-04	E0000128	18	Steer 18	Serum	Primary	7440-50-8	Copper	0.868	0.07	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	14:09	
Feedlot	EJR00-04	E0000128	18	Steer 18	Serum	Primary	7440-70-2	Calcium	97.2	0.07	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	14:09	
Feedlot	EJR00-04	E0000129	19	Steer 19	Serum	Primary	7440-66-6	Zinc	0.949	0.08	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	14:13	
Feedlot	EJR00-04	E0000129	19	Steer 19	Serum	Primary	7723-14-0	phosphorus	72.5	2	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	14:13	
Feedlot	EJR00-04	E0000129	19	Steer 19	Serum	Primary	7439-89-6	Iron	2.16	0.22	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	14:13	
Feedlot	EJR00-04	E0000129	19	Steer 19	Serum	Primary	7439-95-4	Magnesium	23.5	0.04	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	14:13	
Feedlot	EJR00-04	E0000129	19	Steer 19	Serum	Primary	7440-50-8	Copper	0.799	0.07	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	14:13	
Feedlot	EJR00-04	E0000129	19	Steer 19	Serum	Primary	7440-70-2	Calcium	101	0.07	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	14:13	
Feedlot	EJR00-04	E0000130	20	Steer 20	Serum	Primary	7440-66-6	Zinc	1.11	0.08	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	14:16	
Feedlot	EJR00-04	E0000130	20	Steer 20	Serum	Primary	7723-14-0	phosphorus	79.5	2	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	14:16	
Feedlot	EJR00-04	E0000130	20	Steer 20	Serum	Primary	7439-89-6	Iron	1.94	0.22	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	14:16	

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Feedlot	EJR00-04	E0000130	20	Steer 20	Serum	Primary	7439-95-4	Magnesium	20.6	0.04	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	14:16	
Feedlot	EJR00-04	E0000130	20	Steer 20	Serum	Primary	7440-50-8	Copper	0.666	0.07	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	14:16	
Feedlot	EJR00-04	E0000130	20	Steer 20	Serum	Primary	7440-70-2	Calcium	98.8	0.07	EDL	ug/g	Wet Wt	1			01/28/00	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	14:16	
Feedlot	EJR00-04	7140-2	Check Standard	NA	Lab QC	CCV	7440-66-6	Zinc	1.29	0.08	EDL	ug/g	Wet Wt	1	1.3	99	NA	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	14:19	
Feedlot	EJR00-04	7140-2	Check Standard	NA	Lab QC	CCV	7723-14-0	Phosphorus	78.4	2	EDL	ug/g	Wet Wt	1	83.8	94	NA	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	14:19	
Feedlot	EJR00-04	7140-2	Check Standard	NA	Lab QC	CCV	7439-89-6	Iron	1.97	0.22	EDL	ug/g	Wet Wt	1	1.70	116	NA	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	14:19	
Feedlot	EJR00-04	7140-2	Check Standard	NA	Lab QC	CCV	7439-95-4	Magnesium	22	0.04	EDL	ug/g	Wet Wt	1	24.6	89	NA	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	14:19	
Feedlot	EJR00-04	7140-2	Check Standard	NA	Lab QC	CCV	7440-50-8	Copper	1.19	0.07	EDL	ug/g	Wet Wt	1	1.33	89	NA	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	14:19	
Feedlot	EJR00-04	7140-2	Check Standard	NA	Lab QC	CCV	7440-70-2	Calcium	103	0.07	EDL	ug/g	Wet Wt	1	109	94	NA	ICP - TES	TESICP_02-02-00B	0202BTES	2/2/2000	2/2/2000	14:19	
Post Mortem	EFY00-01	E0000177B	Laboratory Blank	NA	Lab QC	Blank	7782-49-2	Selenium	0	0.005	EDL	ug/g	Wet Wt	1			NA	ICP, Hydride	VGICP_02-10-00	0210SEH	2/8/2000	2/10/2000	11:59	
Post Mortem	EFY00-01	E0000177CS	Check Standard	NA	Lab QC	CCV	7782-49-2	Selenium	0.05	0.005	EDL	ug/g	Wet Wt	1	0.050	100	NA	ICP, Hydride	VGICP_02-10-00	0210SEH	2/8/2000	2/10/2000	12:02	
Post Mortem	EFY00-01	E0000177SR	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.468	0.005	EDL	ug/g	Wet Wt	1	0.446	105	NA	ICP, Hydride	VGICP_02-10-00	0210SEH	2/8/2000	2/10/2000	12:04	
Post Mortem	EFY00-01	E0000177	1	Steer 01	Liver	Primary	7782-49-2	Selenium	0.835	0.005	EDL	ug/g	Wet Wt	1			02/07/00	ICP, Hydride	VGICP_02-10-00	0210SEH	2/8/2000	2/10/2000	12:07	
Post Mortem	EFY00-01	E0000178	2	Steer 02	Kidney	Primary	7782-49-2	Selenium	1.59	0.005	EDL	ug/g	Wet Wt	1			02/07/00	ICP, Hydride	VGICP_02-10-00	0210SEH	2/8/2000	2/10/2000	12:09	
Post Mortem	EFY00-01	E0000179	3	Steer 03	Skeletal Muscle	Primary	7782-49-2	Selenium	0.839	0.005	EDL	ug/g	Wet Wt	1			02/07/00	ICP, Hydride	VGICP_02-10-00	0210SEH	2/8/2000	2/10/2000	12:12	
Post Mortem	EFY00-01	E0000180	4	Steer 04	Heart	Primary	7782-49-2	Selenium	0.549	0.005	EDL	ug/g	Wet Wt	1			02/07/00	ICP, Hydride	VGICP_02-10-00	0210SEH	2/8/2000	2/10/2000	12:15	
Post Mortem	EFY00-01	E0000180D	4	Steer 04	Heart	ıb Duplica	7782-49-2	Selenium	0.554	0.005	EDL	ug/g	Wet Wt	1			02/07/00	ICP, Hydride	VGICP_02-10-00	0210SEH	2/8/2000	2/10/2000	12:17	
Post Mortem	EFY00-01	E0000181	5	Steer 05	Liver	Primary	7782-49-2	Selenium	0.604	0.005	EDL	ug/g	Wet Wt	1			02/07/00	ICP, Hydride	VGICP_02-10-00	0210SEH	2/8/2000	2/10/2000	12:20	
Post Mortem	EFY00-01	E0000182	6	Steer 06	Kidney	Primary	7782-49-2	Selenium	1.46	0.005	EDL	ug/g	Wet Wt	1			02/07/00	ICP, Hydride	VGICP_02-10-00	0210SEH	2/8/2000	2/10/2000	12:22	
Post Mortem	EFY00-01	E0000183	7	Steer 07	Skeletal Muscle	Primary	7782-49-2	Selenium	0.58	0.005	EDL	ug/g	Wet Wt	1			02/07/00	ICP, Hydride	VGICP_02-10-00	0210SEH	2/8/2000	2/10/2000	12:25	
Post Mortem	EFY00-01	E0000184	8	Steer 08	Heart	Primary	7782-49-2	Selenium	0.47	0.005	EDL	ug/g	Wet Wt	1			02/07/00	ICP, Hydride	VGICP_02-10-00	0210SEH	2/8/2000	2/10/2000	12:28	
Post Mortem	EFY00-01	E0000185	9	Steer 09	Liver	Primary	7782-49-2	Selenium	0.625	0.005	EDL	ug/g	Wet Wt	1			02/07/00	ICP, Hydride	VGICP_02-10-00	0210SEH	2/8/2000	2/10/2000	12:30	
Post Mortem	EFY00-01	E0000186	10	Steer 10	Kidney	Primary	7782-49-2	Selenium	1.34	0.005	EDL	ug/g	Wet Wt	1			02/07/00	ICP, Hydride	VGICP_02-10-00	0210SEH	2/8/2000	2/10/2000	12:33	
Post Mortem	EFY00-01	E0000187	11	Steer 11	Skeletal Muscle	Primary	7782-49-2	Selenium	0.549	0.005	EDL	ug/g	Wet Wt	1			02/07/00	ICP, Hydride	VGICP_02-10-00	0210SEH	2/8/2000	2/10/2000	12:36	
Post Mortem	EFY00-01	E0000187B	Laboratory Blank	NA	Lab QC	Blank	7782-49-2	Selenium	0	0.005	EDL	ug/g	Wet Wt	1			NA	ICP, Hydride	VGICP_02-10-00	0210SEH	2/8/2000	2/10/2000	12:38	
Post Mortem	EFY00-01	E0000187CS	Check Standard	NA	Lab QC	CCV	7782-49-2	Selenium	0.05	0.005	EDL	ug/g	Wet Wt	1	0.050	100	NA	ICP, Hydride	VGICP_02-10-00	0210SEH	2/8/2000	2/10/2000	12:41	
Post Mortem	EFY00-01	E0000187SR	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.443	0.005	EDL	ug/g	Wet Wt	1	0.446	99	NA	ICP, Hydride	VGICP_02-10-00	0210SEH	2/8/2000	2/10/2000	12:43	
Post Mortem	EFY00-01	E0000188	12	Steer 12	Heart	Primary	7782-49-2	Selenium	0.45	0.005	EDL	ug/g	Wet Wt	1			02/07/00	ICP, Hydride	VGICP_02-10-00	0210SEH	2/8/2000	2/10/2000	12:46	
Post Mortem	EFY00-01	E0000189	13	Steer 13	Liver	Primary	7782-49-2	Selenium	0.603	0.005	EDL	ug/g	Wet Wt	1			02/07/00	ICP, Hydride	VGICP_02-10-00	0210SEH	2/8/2000	2/10/2000	12:48	
Post Mortem	EFY00-01	E0000190	14	Steer 14	Kidney	Primary	7782-49-2	Selenium	1.52	0.005	EDL	ug/g	Wet Wt	1			02/07/00	ICP, Hydride	VGICP_02-10-00	0210SEH	2/8/2000	2/10/2000	12:51	
Post Mortem	EFY00-01	E0000190D	14	Steer 14	Kidney	ıb Duplica	7782-49-2	Selenium	1.32	0.005	EDL	ug/g	Wet Wt	1			02/07/00	ICP, Hydride	VGICP_02-10-00	0210SEH	2/8/2000	2/10/2000	12:54	
Post Mortem	EFY00-01	E0000191	15	Steer 15	Skeletal Muscle	Primary	7782-49-2	Selenium	1.32	0.005	EDL	ug/g	Wet Wt	1			02/07/00	ICP, Hydride	VGICP_02-10-00	0210SEH	2/8/2000	2/10/2000	12:57	
Post Mortem	EFY00-01	E0000192	16	Steer 16	Heart	Primary	7782-49-2	Selenium	0.53	0.005	EDL	ug/g	Wet Wt	1			02/07/00	ICP, Hydride	VGICP_02-10-00	0210SEH	2/8/2000	2/10/2000	12:59	
Post Mortem	EFY00-01	E0000193	17	Steer 17	Liver	Primary	7782-49-2	Selenium	0.444	0.005	EDL	ug/g	Wet Wt	1			02/07/00	ICP, Hydride	VGICP_02-10-00	0210SEH	2/8/2000	2/10/2000	13:02	
Post Mortem	EFY00-01	E0000194	18	Steer 18	Kidney	Primary	7782-49-2	Selenium	1.14	0.005	EDL	ug/g	Wet Wt	1			02/07/00	ICP, Hydride	VGICP_02-10-00	0210SEH	2/8/2000	2/10/2000	13:04	
Post Mortem	EFY00-01	E0000195	19	Steer 19	Skeletal Muscle	Primary	7782-49-2	Selenium	0.113	0.005	EDL	ug/g	Wet Wt	1			02/07/00	ICP, Hydride	VGICP_02-10-00	0210SEH	2/8/2000	2/10/2000	13:07	
Post Mortem	EFY00-01	E0000196	20	Steer 20	Heart	Primary	7782-49-2	Selenium	0.244	0.005	EDL	ug/g	Wet Wt	1			02/07/00	ICP, Hydride	VGICP_02-10-00	0210SEH	2/8/2000	2/10/2000	13:10	
Post Mortem	EFY00-01	E0000196SR	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.459	0.005	EDL	ug/g	Wet Wt	1	0.446	103	NA	ICP, Hydride	VGICP_02-10-00	0210SEH	2/8/2000	2/10/2000	13:23	
Post Mortem	EFY00-01	E0000196CS	Check Standard	NA	Lab QC	CCV	7782-49-2	Selenium	0.051	0.005	EDL	ug/g	Wet Wt	1	0.050	102	NA	ICP, Hydride	VGICP_02-10-00	0210SEH	2/8/2000	2/10/2000	13:25	
Post Mortem	EFY00-01	E0000196B	Laboratory Blank	NA	Lab QC	Blank	7782-49-2	Selenium	0	0.005	EDL	ug/g	Wet Wt	1			NA	ICP, Hydride	VGICP_02-10-00	0210SEH	2/8/2000	2/10/2000	13:28	
Post Mortem	EFY00-01	SR	House Ref. Liver	NA	Animal Tissue	HRL	7439-98-7	Molybdenum	3.319	0.9	EDL	ug/g	Wet Wt	1	3	105	NA	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	10:19	
Post Mortem	EFY00-01	SR	House Ref. Liver	NA	Animal Tissue	HRL	7440-66-6	Zinc	120.6	0.1	EDL	ug/g	Wet Wt	1	120	101	NA	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	10:19	
Post Mortem	EFY00-01	SR	House Ref. Liver	NA	Animal Tissue	HRL	7440-43-9	Cadmium	52.89	0.2	EDL	ug/g	Wet Wt	1	54	97	NA	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	10:19	
Post Mortem	EFY00-01	SR	House Ref. Liver	NA	Animal Tissue	HRL	7439-92-1	Lead	44.93	2.3	EDL	ug/g	Wet Wt	1	48	94	NA	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	10:19	
Post Mortem	EFY00-01	SR	House Ref. Liver	NA	Animal Tissue	HRL	7439-96-5	Manganese	11.15	0.1	EDL	ug/g	Wet Wt	1	10	110	NA	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	10:19	
Post Mortem	EFY00-01	SR	House Ref. Liver	NA	Animal Tissue	HRL	7439-89-6	Iron	179.4	0.4	EDL	ug/g	Wet Wt	1	183	98	NA	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	10:19	
Post Mortem	EFY00-01	SR	House Ref. Liver	NA	Animal Tissue	HRL	7440-50-8	Copper	129.9	0.3	EDL	ug/g	Wet Wt	1	123	106	NA	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	10:19	
Post Mortem	EFY00-01	E0000177	1	Steer 01	Liver	Primary	7439-98-7	Molybdenum	1.546	0.9	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	10:39	
Post Mortem	EFY00-01	E0000177	1	Steer 01	Liver	Primary	7440-66-6	Zinc	39.71	0.1	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	10:39	
Post Mortem	EFY00-01	E0000177	1	Steer 01	Liver	Primary	7440-43-9	Cadmium	0.2547	0.2	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	10:39	
Post Mortem	EFY00-01	E0000177	1	Steer 01	Liver	Primary	7439-92-1	Lead	0.1743	2.3	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	10:39	
Post Mortem	EFY00-01	E0000177	1	Steer 01	Liver	Primary	7439-96-5	Manganese	3.828	0.1	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	10:39	
Post Mortem	EFY00-01	E0000177	1	Steer 01	Liver	Primary	7439-89-6	Iron	48.53	0.4	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	10:39	
Post Mortem	EFY00-01	E0000177	1	Steer 01	Liver	Primary	7440-50-8	Copper	68.15	0.3	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	10:39	
Post Mortem	EFY00-01	E0000178	2	Steer 02	Kidney	Primary	7439-98-7	Molybdenum	0.3604	0.9	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	10:43	
Post Mortem	EFY00-01	E0000178	2	Steer 02	Kidney	Primary	7440-66-6	Zinc	20.55	0.1	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	10:43	
Post Mortem	EFY00-01	E0000178	2	Steer 02	Kidney	Primary	7440-43-9	Cadmium	0.5321	0.2	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	10:43	
Post Mortem	EFY00-01	E0000178	2	Steer 02	Kidney	Primary	7439-92-1	Lead	-0.484	2.3	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	10:43	

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Post Mortem	EFY00-01	E0000178	2	Steer 02	Kidney	Primary	7439-96-5	Manganese	1.080	0.1	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	10:43	
Post Mortem	EFY00-01	E0000178	2	Steer 02	Kidney	Primary	7439-89-6	Iron	42.07	0.4	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	10:43	
Post Mortem	EFY00-01	E0000178	2	Steer 02	Kidney	Primary	7440-50-8	Copper	4.353	0.3	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	10:43	
Post Mortem	EFY00-01	E0000181	5	Steer 05	Liver	Primary	7439-98-7	Molybdenum	1.283	0.9	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	10:46	
Post Mortem	EFY00-01	E0000181	5	Steer 05	Liver	Primary	7440-66-6	Zinc	37.14	0.1	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	10:46	
Post Mortem	EFY00-01	E0000181	5	Steer 05	Liver	Primary	7440-43-9	Cadmium	0.3155	0.2	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	10:46	
Post Mortem	EFY00-01	E0000181	5	Steer 05	Liver	Primary	7439-92-1	Lead	-0.7268	2.3	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	10:46	
Post Mortem	EFY00-01	E0000181	5	Steer 05	Liver	Primary	7439-96-5	Manganese	3.346	0.1	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	10:46	
Post Mortem	EFY00-01	E0000181	5	Steer 05	Liver	Primary	7439-89-6	Iron	58.81	0.4	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	10:46	
Post Mortem	EFY00-01	E0000181	5	Steer 05	Liver	Primary	7440-50-8	Copper	23.32	0.3	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	10:46	
Post Mortem	EFY00-01	E0000182	6	Steer 06	Kidney	Primary	7439-98-7	Molybdenum	0.3895	0.9	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	10:49	
Post Mortem	EFY00-01	E0000182	6	Steer 06	Kidney	Primary	7440-66-6	Zinc	18.80	0.1	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	10:49	
Post Mortem	EFY00-01	E0000182	6	Steer 06	Kidney	Primary	7440-43-9	Cadmium	0.9548	0.2	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	10:49	
Post Mortem	EFY00-01	E0000182	6	Steer 06	Kidney	Primary	7439-92-1	Lead	-0.5349	2.3	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	10:49	
Post Mortem	EFY00-01	E0000182	6	Steer 06	Kidney	Primary	7439-96-5	Manganese	1.211	0.1	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	10:49	
Post Mortem	EFY00-01	E0000182	6	Steer 06	Kidney	Primary	7439-89-6	Iron	43.32	0.4	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	10:49	
Post Mortem	EFY00-01	E0000182	6	Steer 06	Kidney	Primary	7440-50-8	Copper	4.897	0.3	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	10:49	
Post Mortem	EFY00-01	E0000185	9	Steer 09	Liver	Primary	7439-98-7	Molybdenum	1.390	0.9	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	10:53	
Post Mortem	EFY00-01	E0000185	9	Steer 09	Liver	Primary	7440-66-6	Zinc	41.93	0.1	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	10:53	
Post Mortem	EFY00-01	E0000185	9	Steer 09	Liver	Primary	7440-43-9	Cadmium	0.3624	0.2	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	10:53	
Post Mortem	EFY00-01	E0000185	9	Steer 09	Liver	Primary	7439-92-1	Lead	0.2334	2.3	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	10:53	
Post Mortem	EFY00-01	E0000185	9	Steer 09	Liver	Primary	7439-96-5	Manganese	4.130	0.1	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	10:53	
Post Mortem	EFY00-01	E0000185	9	Steer 09	Liver	Primary	7439-89-6	Iron	76.68	0.4	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	10:53	
Post Mortem	EFY00-01	E0000185	9	Steer 09	Liver	Primary	7440-50-8	Copper	35.86	0.3	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	10:53	
Post Mortem	EFY00-01	E0000186	10	Steer 10	Kidney	Primary	7439-98-7	Molybdenum	0.4473	0.9	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	10:56	
Post Mortem	EFY00-01	E0000186	10	Steer 10	Kidney	Primary	7440-66-6	Zinc	21.57	0.1	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	10:56	
Post Mortem	EFY00-01	E0000186	10	Steer 10	Kidney	Primary	7440-43-9	Cadmium	0.9280	0.2	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	10:56	
Post Mortem	EFY00-01	E0000186	10	Steer 10	Kidney	Primary	7439-92-1	Lead	-0.7893	2.3	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	10:56	
Post Mortem	EFY00-01	E0000186	10	Steer 10	Kidney	Primary	7439-96-5	Manganese	1.478	0.1	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	10:56	
Post Mortem	EFY00-01	E0000186	10	Steer 10	Kidney	Primary	7439-89-6	Iron	40.49	0.4	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	10:56	
Post Mortem	EFY00-01	E0000186	10	Steer 10	Kidney	Primary	7440-50-8	Copper	5.807	0.3	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	10:56	
Post Mortem	EFY00-01	E0000189	13	Steer 13	Liver	Primary	7439-98-7	Molybdenum	1.086	0.9	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	10:59	
Post Mortem	EFY00-01	E0000189	13	Steer 13	Liver	Primary	7440-66-6	Zinc	35.38	0.1	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	10:59	
Post Mortem	EFY00-01	E0000189	13	Steer 13	Liver	Primary	7440-43-9	Cadmium	0.3242	0.2	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	10:59	
Post Mortem	EFY00-01	E0000189	13	Steer 13	Liver	Primary	7439-92-1	Lead	-0.2745	2.3	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	10:59	
Post Mortem	EFY00-01	E0000189	13	Steer 13	Liver	Primary	7439-96-5	Manganese	4.237	0.1	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	10:59	
Post Mortem	EFY00-01	E0000189	13	Steer 13	Liver	Primary	7439-89-6	Iron	53.76	0.4	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	10:59	
Post Mortem	EFY00-01	E0000189	13	Steer 13	Liver	Primary	7440-50-8	Copper	26.73	0.3	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	10:59	
Post Mortem	EFY00-01	E0000190	14	Steer 14	Kidney	Primary	7439-98-7	Molybdenum	0.2633	0.9	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:03	
Post Mortem	EFY00-01	E0000190	14	Steer 14	Kidney	Primary	7440-66-6	Zinc	19.06	0.1	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:03	
Post Mortem	EFY00-01	E0000190	14	Steer 14	Kidney	Primary	7440-43-9	Cadmium	0.6174	0.2	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:03	
Post Mortem	EFY00-01	E0000190	14	Steer 14	Kidney	Primary	7439-92-1	Lead	0.1831	2.3	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:03	
Post Mortem	EFY00-01	E0000190	14	Steer 14	Kidney	Primary	7439-96-5	Manganese	1.216	0.1	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:03	
Post Mortem	EFY00-01	E0000190	14	Steer 14	Kidney	Primary	7439-89-6	Iron	60.20	0.4	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:03	
Post Mortem	EFY00-01	E0000190	14	Steer 14	Kidney	Primary	7440-50-8	Copper	4.653	0.3	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:03	
Post Mortem	EFY00-01	E0000193	17	Steer 17	Liver	Primary	7439-98-7	Molybdenum	1.406	0.9	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:06	
Post Mortem	EFY00-01	E0000193	17	Steer 17	Liver	Primary	7440-66-6	Zinc	34.42	0.1	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:06	
Post Mortem	EFY00-01	E0000193	17	Steer 17	Liver	Primary	7440-43-9	Cadmium	0.1577	0.2	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:06	
Post Mortem	EFY00-01	E0000193	17	Steer 17	Liver	Primary	7439-92-1	Lead	0.0026	2.3	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:06	
Post Mortem	EFY00-01	E0000193	17	Steer 17	Liver	Primary	7439-96-5	Manganese	3.079	0.1	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:06	
Post Mortem	EFY00-01	E0000193	17	Steer 17	Liver	Primary	7439-89-6	Iron	32.33	0.4	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:06	
Post Mortem	EFY00-01	E0000193	17	Steer 17	Liver	Primary	7440-50-8	Copper	30.47	0.3	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:06	
Post Mortem	EFY00-01	E0000194D	18	Steer 18	Kidney	ıb Duplica	7439-98-7	Molybdenum	0.2979	0.9	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:10	
Post Mortem	EFY00-01	E0000194D	18	Steer 18	Kidney	ıb Duplica	7440-66-6	Zinc	17.72	0.1	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:10	
Post Mortem	EFY00-01	E0000194D	18	Steer 18	Kidney	ıb Duplica	7440-43-9	Cadmium	0.2780	0.2	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:10	
Post Mortem	EFY00-01	E0000194D	18	Steer 18	Kidney	ıb Duplica	7439-92-1	Lead	0.0911	2.3	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:10	
Post Mortem	EFY00-01	E0000194D	18	Steer 18	Kidney	ıb Duplica	7439-96-5	Manganese	0.7670	0.1	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:10	
Post Mortem	EFY00-01	E0000194D	18	Steer 18	Kidney	ıb Duplica	7439-89-6	Iron	50.06	0.4	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:10	

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Post Mortem	EFY00-01	E0000194D	18	Steer 18	Kidney	ıb Duplica	7440-50-8	Copper	3.966	0.3	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:10	
Post Mortem	EFY00-01	E0000194	18	Steer 18	Kidney	Primary	7439-98-7	Molybdenum	0.2788	0.9	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:13	
Post Mortem	EFY00-01	E0000194	18	Steer 18	Kidney	Primary	7440-66-6	Zinc	18.04	0.1	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:13	
Post Mortem	EFY00-01	E0000194	18	Steer 18	Kidney	Primary	7440-43-9	Cadmium	0.3120	0.2	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:13	
Post Mortem	EFY00-01	E0000194	18	Steer 18	Kidney	Primary	7439-92-1	Lead	0.4251	2.3	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:13	
Post Mortem	EFY00-01	E0000194	18	Steer 18	Kidney	Primary	7439-96-5	Manganese	0.8203	0.1	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:13	
Post Mortem	EFY00-01	E0000194	18	Steer 18	Kidney	Primary	7439-89-6	Iron	54.16	0.4	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:13	
Post Mortem	EFY00-01	E0000194	18	Steer 18	Kidney	Primary	7440-50-8	Copper	4.487	0.3	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:13	
Post Mortem	EFY00-01	HRL2	House Ref. Liver	NA	Animal Tissue	HRL	7439-98-7	Molybdenum	2.999	0.9	EDL	ug/g	Wet Wt	1	3	95	NA	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:19	
Post Mortem	EFY00-01	HRL2	House Ref. Liver	NA	Animal Tissue	HRL	7440-66-6	Zinc	121.6	0.1	EDL	ug/g	Wet Wt	1	120	101	NA	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:19	
Post Mortem	EFY00-01	HRL2	House Ref. Liver	NA	Animal Tissue	HRL	7440-43-9	Cadmium	54.09	0.2	EDL	ug/g	Wet Wt	1	54	100	NA	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:19	
Post Mortem	EFY00-01	HRL2	House Ref. Liver	NA	Animal Tissue	HRL	7439-92-1	Lead	43.46	2.3	EDL	ug/g	Wet Wt	1	48	91	NA	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:19	
Post Mortem	EFY00-01	HRL2	House Ref. Liver	NA	Animal Tissue	HRL	7439-96-5	Manganese	11.21	0.1	EDL	ug/g	Wet Wt	1	10	111	NA	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:19	
Post Mortem	EFY00-01	HRL2	House Ref. Liver	NA	Animal Tissue	HRL	7439-89-6	Iron	179.1	0.4	EDL	ug/g	Wet Wt	1	183	98	NA	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:19	
Post Mortem	EFY00-01	HRL2	House Ref. Liver	NA	Animal Tissue	HRL	7440-50-8	Copper	126.3	0.3	EDL	ug/g	Wet Wt	1	123	103	NA	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:19	
Post Mortem	EFY00-03	E0000200B	Laboratory Blank	NA	Lab QC	Blank	7782-49-2	Selenium	0	0.005	EDL	ug/g	Wet Wt	1			NA	ICP, Hydride	VGICP_02-11-00	0211SEH	2/9/2000	2/11/2000	11:17	
Post Mortem	EFY00-03	E0000200CS	Check Standard	NA	Lab QC	CCV	7782-49-2	Selenium	0.05	0.005	EDL	ug/g	Wet Wt	1	0.050	100	NA	ICP, Hydride	VGICP_02-11-00	0211SEH	2/9/2000	2/11/2000	11:20	
Post Mortem	EFY00-03	E0000200SR	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.42	0.005	EDL	ug/g	Wet Wt	1	0.446	94	NA	ICP, Hydride	VGICP_02-11-00	0211SEH	2/9/2000	2/11/2000	11:22	
Post Mortem	EFY00-03	E0000200	1	Steer 01	Liver	Primary	7782-49-2	Selenium	0.704	0.005	EDL	ug/g	Wet Wt	1			02/09/00	ICP, Hydride	VGICP_02-11-00	0211SEH	2/9/2000	2/11/2000	11:25	
Post Mortem	EFY00-03	E0000201	2	Steer 02	Kidney	Primary	7782-49-2	Selenium	1.24	0.005	EDL	ug/g	Wet Wt	1			02/09/00	ICP, Hydride	VGICP_02-11-00	0211SEH	2/9/2000	2/11/2000	11:27	
Post Mortem	EFY00-03	E0000202	3	Steer 03	Skeletal Muscle	Primary	7782-49-2	Selenium	0.519	0.005	EDL	ug/g	Wet Wt	1			02/09/00	ICP, Hydride	VGICP_02-11-00	0211SEH	2/9/2000	2/11/2000	11:30	
Post Mortem	EFY00-03	E0000203	4	Steer 04	Heart	Primary	7782-49-2	Selenium	0.436	0.005	EDL	ug/g	Wet Wt	1			02/09/00	ICP, Hydride	VGICP_02-11-00	0211SEH	2/9/2000	2/11/2000	11:33	
Post Mortem	EFY00-03	E0000204	5	Steer 05	Liver	Primary	7782-49-2	Selenium	0.535	0.005	EDL	ug/g	Wet Wt	1			02/09/00	ICP, Hydride	VGICP_02-11-00	0211SEH	2/9/2000	2/11/2000	11:35	
Post Mortem	EFY00-03	E0000205	6	Steer 06	Kidney	Primary	7782-49-2	Selenium	1.82	0.005	EDL	ug/g	Wet Wt	1			02/09/00	ICP, Hydride	VGICP_02-11-00	0211SEH	2/9/2000	2/11/2000	11:38	
Post Mortem	EFY00-03	E0000205D	6	Steer 06	Kidney	ıb Duplica	7782-49-2	Selenium	1.9	0.005	EDL	ug/g	Wet Wt	1			02/09/00	ICP, Hydride	VGICP_02-11-00	0211SEH	2/9/2000	2/11/2000	11:41	
Post Mortem	EFY00-03	E0000206	7	Steer 07	Skeletal Muscle	Primary	7782-49-2	Selenium	0.916	0.005	EDL	ug/g	Wet Wt	1			02/09/00	ICP, Hydride	VGICP_02-11-00	0211SEH	2/9/2000	2/11/2000	11:44	
Post Mortem	EFY00-03	E0000207	8	Steer 08	Heart	Primary	7782-49-2	Selenium	0.494	0.005	EDL	ug/g	Wet Wt	1			02/09/00	ICP, Hydride	VGICP_02-11-00	0211SEH	2/9/2000	2/11/2000	11:46	
Post Mortem	EFY00-03	E0000208	9	Steer 09	Liver	Primary	7782-49-2	Selenium	0.489	0.005	EDL	ug/g	Wet Wt	1			02/09/00	ICP, Hydride	VGICP_02-11-00	0211SEH	2/9/2000	2/11/2000	11:49	
Post Mortem	EFY00-03	E0000209	10	Steer 10	Kidney	Primary	7782-49-2	Selenium	1.56	0.005	EDL	ug/g	Wet Wt	1			02/09/00	ICP, Hydride	VGICP_02-11-00	0211SEH	2/9/2000	2/11/2000	11:51	
Post Mortem	EFY00-03	E0000210	11	Steer 11	Skeletal Muscle	Primary	7782-49-2	Selenium	0.554	0.005	EDL	ug/g	Wet Wt	1			02/09/00	ICP, Hydride	VGICP_02-11-00	0211SEH	2/9/2000	2/11/2000	11:54	
Post Mortem	EFY00-03	E0000210B	Laboratory Blank	NA	Lab QC	Blank	7782-49-2	Selenium	-0.001	0.005	EDL	ug/g	Wet Wt	1			NA	ICP, Hydride	VGICP_02-11-00	0211SEH	2/9/2000	2/11/2000	11:57	
Post Mortem	EFY00-03	E0000210CS	Check Standard	NA	Lab QC	CCV	7782-49-2	Selenium	0.05	0.005	EDL	ug/g	Wet Wt	1	0.050	100	NA	ICP, Hydride	VGICP_02-11-00	0211SEH	2/9/2000	2/11/2000	11:59	
Post Mortem	EFY00-03	E0000210SR	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.394	0.005	EDL	ug/g	Wet Wt	1	0.446	88	NA	ICP, Hydride	VGICP_02-11-00	0211SEH	2/9/2000	2/11/2000	12:02	
Post Mortem	EFY00-03	E0000211	12	Steer 12	Heart	Primary	7782-49-2	Selenium	0.452	0.005	EDL	ug/g	Wet Wt	1			02/09/00	ICP, Hydride	VGICP_02-11-00	0211SEH	2/9/2000	2/11/2000	12:04	
Post Mortem	EFY00-03	E0000212	13	Steer 13	Liver	Primary	7782-49-2	Selenium	0.512	0.005	EDL	ug/g	Wet Wt	1			02/09/00	ICP, Hydride	VGICP_02-11-00	0211SEH	2/9/2000	2/11/2000	12:07	
Post Mortem	EFY00-03	E0000213	14	Steer 14	Kidney	Primary	7782-49-2	Selenium	1.46	0.005	EDL	ug/g	Wet Wt	1			02/09/00	ICP, Hydride	VGICP_02-11-00	0211SEH	2/9/2000	2/11/2000	12:09	
Post Mortem	EFY00-03	E0000214	15	Steer 15	Skeletal Muscle	Primary	7782-49-2	Selenium	0.543	0.005	EDL	ug/g	Wet Wt	1			02/09/00	ICP, Hydride	VGICP_02-11-00	0211SEH	2/9/2000	2/11/2000	12:12	
Post Mortem	EFY00-03	E0000215	16	Steer 16	Heart	Primary	7782-49-2	Selenium	0.455	0.005	EDL	ug/g	Wet Wt	1			02/09/00	ICP, Hydride	VGICP_02-11-00	0211SEH	2/9/2000	2/11/2000	12:15	
Post Mortem	EFY00-03	E0000215D	16	Steer 16	Heart	ıb Duplica	7782-49-2	Selenium	0.456	0.005	EDL	ug/g	Wet Wt	1			02/09/00	ICP, Hydride	VGICP_02-11-00	0211SEH	2/9/2000	2/11/2000	12:17	
Post Mortem	EFY00-03	E0000216	17	Steer 17	Liver	Primary	7782-49-2	Selenium	0.347	0.005	EDL	ug/g	Wet Wt	1			02/09/00	ICP, Hydride	VGICP_02-11-00	0211SEH	2/9/2000	2/11/2000	12:20	
Post Mortem	EFY00-03	E0000217	18	Steer 18	Kidney	Primary	7782-49-2	Selenium	1.17	0.005	EDL	ug/g	Wet Wt	1			02/09/00	ICP, Hydride	VGICP_02-11-00	0211SEH	2/9/2000	2/11/2000	12:22	
Post Mortem	EFY00-03	E0000218	19	Steer 19	Skeletal Muscle	Primary	7782-49-2	Selenium	0.097	0.005	EDL	ug/g	Wet Wt	1			02/09/00	ICP, Hydride	VGICP_02-11-00	0211SEH	2/9/2000	2/11/2000	12:25	
Post Mortem	EFY00-03	E0000219	20	Steer 20	Heart	Primary	7782-49-2	Selenium	0.251	0.005	EDL	ug/g	Wet Wt	1			02/09/00	ICP, Hydride	VGICP_02-11-00	0211SEH	2/9/2000	2/11/2000	12:28	
Post Mortem	EFY00-03	E0000219SR	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.42	0.005	EDL	ug/g	Wet Wt	1	0.446	94	NA	ICP, Hydride	VGICP_02-11-00	0211SEH	2/9/2000	2/11/2000	12:48	
Post Mortem	EFY00-03	E0000219CS	Check Standard	NA	Lab QC	CCV	7782-49-2	Selenium	0.049	0.005	EDL	ug/g	Wet Wt	1	0.050	98	NA	ICP, Hydride	VGICP_02-11-00	0211SEH	2/9/2000	2/11/2000	12:50	
Post Mortem	EFY00-03	E0000219B	Laboratory Blank	NA	Lab QC	Blank	7782-49-2	Selenium	0	0.005	EDL	ug/g	Wet Wt	1			NA	ICP, Hydride	VGICP_02-11-00	0211SEH	2/9/2000	2/11/2000	12:53	
Post Mortem	EFY00-03	E0000200	1	Steer 01	Kidney	Primary	7439-98-7	Molybdenum	1.432	0.9	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:23	
Post Mortem	EFY00-03	E0000200	1	Steer 01	Kidney	Primary	7440-66-6	Zinc	34.84	0.1	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:23	
Post Mortem	EFY00-03	E0000200	1	Steer 01	Kidney	Primary	7440-43-9	Cadmium	0.2243	0.2	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:23	
Post Mortem	EFY00-03	E0000200	1	Steer 01	Kidney	Primary	7439-92-1	Lead	0.2327	2.3	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:23	
Post Mortem	EFY00-03	E0000200	1	Steer 01	Kidney	Primary	7439-96-5	Manganese	2.841	0.1	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:23	
Post Mortem	EFY00-03	E0000200	1	Steer 01	Kidney	Primary	7439-89-6	Iron	86.80	0.4	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:23	
Post Mortem	EFY00-03	E0000200	1	Steer 01	Kidney	Primary	7440-50-8	Copper	41.93	0.3	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:23	
Post Mortem	EFY00-03	E0000201	2	Steer 02	Kidney	Primary	7439-98-7	Molybdenum	0.4983	0.9	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:26	
Post Mortem	EFY00-03	E0000201	2	Steer 02	Kidney	Primary	7440-66-6	Zinc	20.65	0.1	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:26	
Post Mortem	EFY00-03	E0000201	2	Steer 02	Kidney	Primary	7440-43-9	Cadmium	0.8144	0.2	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:26	
Post Mortem	EFY00-03	E0000201	2	Steer 02	Kidney	Primary	7439-92-1	Lead	0.2208	2.3	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:26	
Post Mortem	EFY00-03	E0000201	2	Steer 02	Kidney	Primary	7439-96-5	Manganese	1.199	0.1	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:26	

ATTACHMENT A
MWH EDD - 1999 - 2000 CATTLE TISSUE AND BLOOD DATA

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Post Mortem	EFY00-03	E0000201	2	Steer 02	Kidney	Primary	7439-89-6	Iron	51.19	0.4	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:26	
Post Mortem	EFY00-03	E0000201	2	Steer 02	Kidney	Primary	7440-50-8	Copper	4.814	0.3	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:26	
Post Mortem	EFY00-03	E0000204	5	Steer 05	Kidney	Primary	7439-98-7	Molybdenum	1.293	0.9	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:31	
Post Mortem	EFY00-03	E0000204	5	Steer 05	Kidney	Primary	7440-66-6	Zinc	35.53	0.1	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:31	
Post Mortem	EFY00-03	E0000204	5	Steer 05	Kidney	Primary	7440-43-9	Cadmium	0.3676	0.2	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:31	
Post Mortem	EFY00-03	E0000204	5	Steer 05	Kidney	Primary	7439-92-1	Lead	-0.0675	2.3	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:31	
Post Mortem	EFY00-03	E0000204	5	Steer 05	Kidney	Primary	7439-96-5	Manganese	3.092	0.1	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:31	
Post Mortem	EFY00-03	E0000204	5	Steer 05	Kidney	Primary	7439-89-6	Iron	39.74	0.4	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:31	
Post Mortem	EFY00-03	E0000204	5	Steer 05	Kidney	Primary	7440-50-8	Copper	33.92	0.3	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:31	
Post Mortem	EFY00-03	E0000205	6	Steer 06	Kidney	Primary	7439-98-7	Molybdenum	0.1347	0.9	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:34	
Post Mortem	EFY00-03	E0000205	6	Steer 06	Kidney	Primary	7440-66-6	Zinc	17.14	0.1	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:34	
Post Mortem	EFY00-03	E0000205	6	Steer 06	Kidney	Primary	7440-43-9	Cadmium	0.7446	0.2	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:34	
Post Mortem	EFY00-03	E0000205	6	Steer 06	Kidney	Primary	7439-92-1	Lead	-0.391	2.3	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:34	
Post Mortem	EFY00-03	E0000205	6	Steer 06	Kidney	Primary	7439-96-5	Manganese	0.9271	0.1	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:34	
Post Mortem	EFY00-03	E0000205	6	Steer 06	Kidney	Primary	7439-89-6	Iron	65.15	0.4	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:34	
Post Mortem	EFY00-03	E0000205	6	Steer 06	Kidney	Primary	7440-50-8	Copper	4.392	0.3	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:34	
Post Mortem	EFY00-03	E0000208	9	Steer 09	Kidney	Primary	7439-98-7	Molybdenum	1.431	0.9	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:37	
Post Mortem	EFY00-03	E0000208	9	Steer 09	Kidney	Primary	7440-66-6	Zinc	39.29	0.1	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:37	
Post Mortem	EFY00-03	E0000208	9	Steer 09	Kidney	Primary	7440-43-9	Cadmium	0.2924	0.2	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:37	
Post Mortem	EFY00-03	E0000208	9	Steer 09	Kidney	Primary	7439-92-1	Lead	0.4762	2.3	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:37	
Post Mortem	EFY00-03	E0000208	9	Steer 09	Kidney	Primary	7439-96-5	Manganese	4.047	0.1	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:37	
Post Mortem	EFY00-03	E0000208	9	Steer 09	Kidney	Primary	7439-89-6	Iron	49.41	0.4	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:37	
Post Mortem	EFY00-03	E0000208	9	Steer 09	Kidney	Primary	7440-50-8	Copper	22.81	0.3	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:37	
Post Mortem	EFY00-03	E0000209	10	Steer 10	Kidney	Primary	7439-98-7	Molybdenum	0.4992	0.9	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:41	
Post Mortem	EFY00-03	E0000209	10	Steer 10	Kidney	Primary	7440-66-6	Zinc	20.45	0.1	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:41	
Post Mortem	EFY00-03	E0000209	10	Steer 10	Kidney	Primary	7440-43-9	Cadmium	0.9021	0.2	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:41	
Post Mortem	EFY00-03	E0000209	10	Steer 10	Kidney	Primary	7439-92-1	Lead	-0.0129	2.3	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:41	
Post Mortem	EFY00-03	E0000209	10	Steer 10	Kidney	Primary	7439-96-5	Manganese	1.250	0.1	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:41	
Post Mortem	EFY00-03	E0000209	10	Steer 10	Kidney	Primary	7439-89-6	Iron	56.04	0.4	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:41	
Post Mortem	EFY00-03	E0000209	10	Steer 10	Kidney	Primary	7440-50-8	Copper	3.026	0.3	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:41	
Post Mortem	EFY00-03	E0000212	13	Steer 13	Kidney	Primary	7439-98-7	Molybdenum	0.9309	0.9	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:44	
Post Mortem	EFY00-03	E0000212	13	Steer 13	Kidney	Primary	7440-66-6	Zinc	59.02	0.1	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:44	
Post Mortem	EFY00-03	E0000212	13	Steer 13	Kidney	Primary	7440-43-9	Cadmium	0.3172	0.2	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:44	
Post Mortem	EFY00-03	E0000212	13	Steer 13	Kidney	Primary	7439-92-1	Lead	0.5373	2.3	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:44	
Post Mortem	EFY00-03	E0000212	13	Steer 13	Kidney	Primary	7439-96-5	Manganese	3.552	0.1	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:44	
Post Mortem	EFY00-03	E0000212	13	Steer 13	Kidney	Primary	7439-89-6	Iron	66.96	0.4	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:44	
Post Mortem	EFY00-03	E0000212	13	Steer 13	Kidney	Primary	7440-50-8	Copper	37.50	0.3	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:44	
Post Mortem	EFY00-03	E0000213	14	Steer 14	Kidney	Primary	7439-98-7	Molybdenum	0.2318	0.9	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:47	
Post Mortem	EFY00-03	E0000213	14	Steer 14	Kidney	Primary	7440-66-6	Zinc	20.33	0.1	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:47	
Post Mortem	EFY00-03	E0000213	14	Steer 14	Kidney	Primary	7440-43-9	Cadmium	0.6888	0.2	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:47	
Post Mortem	EFY00-03	E0000213	14	Steer 14	Kidney	Primary	7439-92-1	Lead	-0.9619	2.3	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:47	
Post Mortem	EFY00-03	E0000213	14	Steer 14	Kidney	Primary	7439-96-5	Manganese	1.181	0.1	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:47	
Post Mortem	EFY00-03	E0000213	14	Steer 14	Kidney	Primary	7439-89-6	Iron	39.60	0.4	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:47	
Post Mortem	EFY00-03	E0000213	14	Steer 14	Kidney	Primary	7440-50-8	Copper	4.518	0.3	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:47	
Post Mortem	EFY00-03	E0000216	17	Steer 17	Kidney	Primary	7439-98-7	Molybdenum	1.162	0.9	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:51	
Post Mortem	EFY00-03	E0000216	17	Steer 17	Kidney	Primary	7440-66-6	Zinc	33.35	0.1	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:51	
Post Mortem	EFY00-03	E0000216	17	Steer 17	Kidney	Primary	7440-43-9	Cadmium	0.2598	0.2	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:51	
Post Mortem	EFY00-03	E0000216	17	Steer 17	Kidney	Primary	7439-92-1	Lead	-0.7297	2.3	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:51	
Post Mortem	EFY00-03	E0000216	17	Steer 17	Kidney	Primary	7439-96-5	Manganese	3.443	0.1	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:51	
Post Mortem	EFY00-03	E0000216	17	Steer 17	Kidney	Primary	7439-89-6	Iron	32.35	0.4	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:51	
Post Mortem	EFY00-03	E0000216	17	Steer 17	Kidney	Primary	7440-50-8	Copper	38.55	0.3	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:51	
Post Mortem	EFY00-03	E0000217D	18	Steer 18	Kidney	ıb Duplica	7439-98-7	Molybdenum	0.4006	0.9	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:54	
Post Mortem	EFY00-03	E0000217D	18	Steer 18	Kidney	ıb Duplica	7440-66-6	Zinc	18.53	0.1	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:54	
Post Mortem	EFY00-03	E0000217D	18	Steer 18	Kidney	ıb Duplica	7440-43-9	Cadmium	0.6816	0.2	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:54	
Post Mortem	EFY00-03	E0000217D	18	Steer 18	Kidney	ıb Duplica	7439-92-1	Lead	-0.6657	2.3	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:54	
Post Mortem	EFY00-03	E0000217D	18	Steer 18	Kidney	ıb Duplica	7439-96-5	Manganese	1.178	0.1	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:54	
Post Mortem	EFY00-03	E0000217D	18	Steer 18	Kidney	ıb Duplica	7439-89-6	Iron	41.23	0.4	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:54	
Post Mortem	EFY00-03	E0000217D	18	Steer 18	Kidney	ıb Duplica	7440-50-8	Copper	4.993	0.3	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:54	

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Post Mortem	EFY00-03	E0000217	18	Steer 18	Kidney	Primary	7439-98-7	Molybdenum	15.23	0.9	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:58	
Post Mortem	EFY00-03	E0000217	18	Steer 18	Kidney	Primary	7440-66-6	Zinc	4.101	0.1	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:58	
Post Mortem	EFY00-03	E0000217	18	Steer 18	Kidney	Primary	7440-43-9	Cadmium	0.4115	0.2	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:58	
Post Mortem	EFY00-03	E0000217	18	Steer 18	Kidney	Primary	7439-92-1	Lead	15.83	2.3	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:58	
Post Mortem	EFY00-03	E0000217	18	Steer 18	Kidney	Primary	7439-96-5	Manganese	3.069	0.1	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:58	
Post Mortem	EFY00-03	E0000217	18	Steer 18	Kidney	Primary	7439-89-6	Iron	3.338	0.4	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:58	
Post Mortem	EFY00-03	E0000217	18	Steer 18	Kidney	Primary	7440-50-8	Copper	1.229	0.3	EDL	ug/g	Wet Wt	1			02/07/00	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	11:58	
Post Mortem	EFY00-03	B	Laboratory Blank	NA	Lab QC	Blank	7439-98-7	Molybdenum	-0.0086	0.9	EDL	ug/g	Wet Wt	1			NA	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	12:01	
Post Mortem	EFY00-03	B	Laboratory Blank	NA	Lab QC	Blank	7440-66-6	Zinc	-0.0024	0.1	EDL	ug/g	Wet Wt	1			NA	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	12:01	
Post Mortem	EFY00-03	B	Laboratory Blank	NA	Lab QC	Blank	7440-43-9	Cadmium	-0.0034	0.2	EDL	ug/g	Wet Wt	1			NA	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	12:01	
Post Mortem	EFY00-03	B	Laboratory Blank	NA	Lab QC	Blank	7439-92-1	Lead	0.0135	2.3	EDL	ug/g	Wet Wt	1			NA	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	12:01	
Post Mortem	EFY00-03	B	Laboratory Blank	NA	Lab QC	Blank	7439-96-5	Manganese	0.0018	0.1	EDL	ug/g	Wet Wt	1			NA	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	12:01	
Post Mortem	EFY00-03	B	Laboratory Blank	NA	Lab QC	Blank	7439-89-6	Iron	0.0182	0.4	EDL	ug/g	Wet Wt	1			NA	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	12:01	
Post Mortem	EFY00-03	B	Laboratory Blank	NA	Lab QC	Blank	7440-50-8	Copper	-0.0001	0.3	EDL	ug/g	Wet Wt	1			NA	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	12:01	
Post Mortem	EFY00-03	HRL3	House Ref. Liver	NA	Animal Tissue	HRL	7439-98-7	Molybdenum	3.495	0.9	EDL	ug/g	Wet Wt	1	3	110	NA	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	12:04	
Post Mortem	EFY00-03	HRL3	House Ref. Liver	NA	Animal Tissue	HRL	7440-66-6	Zinc	119.7	0.1	EDL	ug/g	Wet Wt	1	120	100	NA	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	12:04	
Post Mortem	EFY00-03	HRL3	House Ref. Liver	NA	Animal Tissue	HRL	7440-43-9	Cadmium	52.21	0.2	EDL	ug/g	Wet Wt	1	54	96	NA	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	12:04	
Post Mortem	EFY00-03	HRL3	House Ref. Liver	NA	Animal Tissue	HRL	7439-92-1	Lead	45.88	2.3	EDL	ug/g	Wet Wt	1	48	96	NA	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	12:04	
Post Mortem	EFY00-03	HRL3	House Ref. Liver	NA	Animal Tissue	HRL	7439-96-5	Manganese	11.22	0.1	EDL	ug/g	Wet Wt	1	10	111	NA	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	12:04	
Post Mortem	EFY00-03	HRL3	House Ref. Liver	NA	Animal Tissue	HRL	7439-89-6	Iron	178.7	0.4	EDL	ug/g	Wet Wt	1	183	98	NA	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	12:04	
Post Mortem	EFY00-03	HRL3	House Ref. Liver	NA	Animal Tissue	HRL	7440-50-8	Copper	128.3	0.3	EDL	ug/g	Wet Wt	1	123	104	NA	ICP	HMICP_02-14-00	0214HMS	2/11/2000	2/14/2000	12:04	
Post Mortem	EFY00-06	SEH2	Check Standard	NA	Lab QC	CCV	7782-49-2	Selenium	0.0527	0.005	EDL	ug/g	Wet Wt	1	0.050	105	NA	ICP, Hydride	VGICP_02-25-00	0225SEH	2/23/2000	2/25/2000	10:29	
Post Mortem	EFY00-06	HRL3	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.483	0.005	EDL	ug/g	Wet Wt	1	0.446	108	NA	ICP, Hydride	VGICP_02-25-00	0225SEH	2/23/2000	2/25/2000	10:32	
Post Mortem	EFY00-06	E0000231	4	Steer 04	Liver	Primary	7782-49-2	Selenium	0.833	0.005	EDL	ug/g	Wet Wt	1			02/22/00	ICP, Hydride	VGICP_02-25-00	0225SEH	2/23/2000	2/25/2000	10:35	
Post Mortem	EFY00-06	E0000232	4	Steer 04	Kidney	Primary	7782-49-2	Selenium	1.84	0.005	EDL	ug/g	Wet Wt	1			02/22/00	ICP, Hydride	VGICP_02-25-00	0225SEH	2/23/2000	2/25/2000	10:38	
Post Mortem	EFY00-06	E0000233	4	Steer 04	Skeletal Muscle	Primary	7782-49-2	Selenium	0.611	0.005	EDL	ug/g	Wet Wt	1			02/22/00	ICP, Hydride	VGICP_02-25-00	0225SEH	2/23/2000	2/25/2000	10:40	
Post Mortem	EFY00-06	E0000234	4	Steer 04	Heart	Primary	7782-49-2	Selenium	0.564	0.005	EDL	ug/g	Wet Wt	1			02/22/00	ICP, Hydride	VGICP_02-25-00	0225SEH	2/23/2000	2/25/2000	10:43	
Post Mortem	EFY00-06	E0000235	6	Steer 06	Liver	Primary	7782-49-2	Selenium	0.916	0.005	EDL	ug/g	Wet Wt	1			02/22/00	ICP, Hydride	VGICP_02-25-00	0225SEH	2/23/2000	2/25/2000	10:46	
Post Mortem	EFY00-06	E0000235D	6	Steer 06	Liver	ıb Duplica	7782-49-2	Selenium	0.901	0.005	EDL	ug/g	Wet Wt	1			02/22/00	ICP, Hydride	VGICP_02-25-00	0225SEH	2/23/2000	2/25/2000	10:49	
Post Mortem	EFY00-06	E0000236	6	Steer 06	Kidney	Primary	7782-49-2	Selenium	1.67	0.005	EDL	ug/g	Wet Wt	1			02/22/00	ICP, Hydride	VGICP_02-25-00	0225SEH	2/23/2000	2/25/2000	10:52	
Post Mortem	EFY00-06	E0000237	6	Steer 06	Skeletal Muscle	Primary	7782-49-2	Selenium	0.922	0.005	EDL	ug/g	Wet Wt	1			02/22/00	ICP, Hydride	VGICP_02-25-00	0225SEH	2/23/2000	2/25/2000	10:55	
Post Mortem	EFY00-06	E0000238	6	Steer 06	Heart	Primary	7782-49-2	Selenium	0.581	0.005	EDL	ug/g	Wet Wt	1			02/22/00	ICP, Hydride	VGICP_02-25-00	0225SEH	2/23/2000	2/25/2000	10:58	
Post Mortem	EFY00-06	HRL3B	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.514	0.005	EDL	ug/g	Wet Wt	1	0.446	115	NA	ICP, Hydride	VGICP_02-25-00	0225SEH	2/23/2000	2/25/2000	11:01	
Post Mortem	EFY00-06	BLANK	Laboratory Blank	NA	Lab QC	Blank	7782-49-2	Selenium	-0.0003	0.005	EDL	ug/g	Wet Wt	1			NA	ICP, Hydride	VGICP_02-25-00	0225SEH	2/23/2000	2/25/2000	11:03	
Post Mortem	EFY00-06	SEH2	Check Standard	NA	Lab QC	CCV	7782-49-2	Selenium	0.0513	0.005	EDL	ug/g	Wet Wt	1	0.050	103	NA	ICP, Hydride	VGICP_02-25-00	0225SEH	2/23/2000	2/25/2000	11:06	
Post Mortem	EFY00-06	E0000239	13	Steer 13	Liver	Primary	7782-49-2	Selenium	0.659	0.005	EDL	ug/g	Wet Wt	1			02/22/00	ICP, Hydride	VGICP_02-25-00	0225SEH	2/23/2000	2/25/2000	11:09	
Post Mortem	EFY00-06	E0000240	13	Steer 13	Kidney	Primary	7782-49-2	Selenium	1.41	0.005	EDL	ug/g	Wet Wt	1			02/22/00	ICP, Hydride	VGICP_02-25-00	0225SEH	2/23/2000	2/25/2000	11:12	
Post Mortem	EFY00-06	E0000241	13	Steer 13	Skeletal Muscle	Primary	7782-49-2	Selenium	0.597	0.005	EDL	ug/g	Wet Wt	1			02/22/00	ICP, Hydride	VGICP_02-25-00	0225SEH	2/23/2000	2/25/2000	11:15	
Post Mortem	EFY00-06	E0000242	13	Steer 13	Heart	Primary	7782-49-2	Selenium	0.558	0.005	EDL	ug/g	Wet Wt	1			02/22/00	ICP, Hydride	VGICP_02-25-00	0225SEH	2/23/2000	2/25/2000	11:18	
Post Mortem	EFY00-06	E0000243	19	Steer 19	Liver	Primary	7782-49-2	Selenium	0.463	0.005	EDL	ug/g	Wet Wt	1			02/22/00	ICP, Hydride	VGICP_02-25-00	0225SEH	2/23/2000	2/25/2000	11:21	
Post Mortem	EFY00-06	E0000244	19	Steer 19	Kidney	Primary	7782-49-2	Selenium	0.925	0.005	EDL	ug/g	Wet Wt	1			02/22/00	ICP, Hydride	VGICP_02-25-00	0225SEH	2/23/2000	2/25/2000	11:24	
Post Mortem	EFY00-06	E0000245	19	Steer 19	Skeletal Muscle	Primary	7782-49-2	Selenium	0.111	0.005	EDL	ug/g	Wet Wt	1			02/22/00	ICP, Hydride	VGICP_02-25-00	0225SEH	2/23/2000	2/25/2000	11:27	
Post Mortem	EFY00-06	E0000245D	19	Steer 19	Skeletal Muscle	ıb Duplica	7782-49-2	Selenium	0.114	0.005	EDL	ug/g	Wet Wt	1			02/22/00	ICP, Hydride	VGICP_02-25-00	0225SEH	2/23/2000	2/25/2000	11:30	
Post Mortem	EFY00-06	E0000246	19	Steer 19	Heart	Primary	7782-49-2	Selenium	0.261	0.005	EDL	ug/g	Wet Wt	1			02/22/00	ICP, Hydride	VGICP_02-25-00	0225SEH	2/23/2000	2/25/2000	11:32	
Post Mortem	EFY00-06	E0000247	20	Steer 20	Liver	Primary	7782-49-2	Selenium	0.452	0.005	EDL	ug/g	Wet Wt	1			02/22/00	ICP, Hydride	VGICP_02-25-00	0225SEH	2/23/2000	2/25/2000	11:35	
Post Mortem	EFY00-06	E0000248	20	Steer 20	Kidney	Primary	7782-49-2	Selenium	1.64	0.005	EDL	ug/g	Wet Wt	1			02/22/00	ICP, Hydride	VGICP_02-25-00	0225SEH	2/23/2000	2/25/2000	11:38	
Post Mortem	EFY00-06	E0000249	20	Steer 20	Skeletal Muscle	Primary	7782-49-2	Selenium	0.0971	0.005	EDL	ug/g	Wet Wt	1			02/22/00	ICP, Hydride	VGICP_02-25-00	0225SEH	2/23/2000	2/25/2000	11:41	
Post Mortem	EFY00-06	E0000250	20	Steer 20	Heart	Primary	7782-49-2	Selenium	0.263	0.005	EDL	ug/g	Wet Wt	1			02/22/00	ICP, Hydride	VGICP_02-25-00	0225SEH	2/23/2000	2/25/2000	11:44	
Post Mortem	EFY00-06	HRL4	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.5	0.005	EDL	ug/g	Wet Wt	1	0.446	112	NA	ICP, Hydride	VGICP_02-25-00	0225SEH	2/23/2000	2/25/2000	11:47	
Post Mortem	EFY00-06	BLANK2	Laboratory Blank	NA	Lab QC	Blank	7782-49-2	Selenium	-0.0012	0.005	EDL	ug/g	Wet Wt	1			NA	ICP, Hydride	VGICP_02-25-00	0225SEH	2/23/2000	2/25/2000	11:49	
Post Mortem	EFY00-06	SEH2	Check Standard	NA	Lab QC	CCV	7782-49-2	Selenium	0.0506	0.005	EDL	ug/g	Wet Wt	1	0.050	101	NA	ICP, Hydride	VGICP_02-25-00	0225SEH	2/23/2000	2/25/2000	11:52	
Post Mortem	EFY00-06	SR	House Ref. Liver	NA	Animal Tissue	HRL	7439-98-7	Molybdenum	3.472	0.9	EDL	ug/g	Wet Wt	1	3	110	NA	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	10:37	
Post Mortem	EFY00-06	SR	House Ref. Liver	NA	Animal Tissue	HRL	7440-66-6	Zinc	121.2	0.1	EDL	ug/g	Wet Wt	1	120	101	NA	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	10:37	
Post Mortem	EFY00-06	SR	House Ref. Liver	NA	Animal Tissue	HRL	7440-43-9	Cadmium	53.52	0.2	EDL	ug/g	Wet Wt	1	54	99	NA	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	10:37	
Post Mortem	EFY00-06	SR	House Ref. Liver	NA	Animal Tissue	HRL	7439-92-1	Lead	43.55	2.3	EDL	ug/g	Wet Wt	1	48	91	NA	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	10:37	
Post Mortem	EFY00-06	SR	House Ref. Liver	NA	Animal Tissue	HRL	7439-96-5	Manganese	11.12	0.1	EDL	ug/g	Wet Wt	1	10	110	NA	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	10:37	
Post Mortem	EFY00-06	SR	House Ref. Liver	NA	Animal Tissue	HRL	7439-89-6	Iron	179	0.4	EDL	ug/g	Wet Wt	1	183	98	NA	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	10:37	
Post Mortem	EFY00-06	SR	House Ref. Liver	NA	Animal Tissue	HRL	7440-50-8	Copper	127.6	0.3	EDL	ug/g	Wet Wt	1	123	104	NA	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	10:37	

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Post Mortem	EFY00-06	E0000231D	#4	Steer 04	Liver	Primary	7439-98-7	Molybdenum	1.342	0.9	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	10:54	
Post Mortem	EFY00-06	E0000231D	#4	Steer 04	Liver	Primary	7440-66-6	Zinc	39.20	0.1	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	10:54	
Post Mortem	EFY00-06	E0000231D	#4	Steer 04	Liver	Primary	7440-43-9	Cadmium	0.4887	0.2	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	10:54	
Post Mortem	EFY00-06	E0000231D	#4	Steer 04	Liver	Primary	7439-92-1	Lead	0.5252	2.3	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	10:54	
Post Mortem	EFY00-06	E0000231D	#4	Steer 04	Liver	Primary	7439-96-5	Manganese	4.607	0.1	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	10:54	
Post Mortem	EFY00-06	E0000231D	#4	Steer 04	Liver	Primary	7439-89-6	Iron	35.67	0.4	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	10:54	
Post Mortem	EFY00-06	E0000231D	#4	Steer 04	Liver	Primary	7440-50-8	Copper	46.59	0.3	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	10:54	
Post Mortem	EFY00-06	E0000231	#4	Steer 04	Liver	Primary	7439-98-7	Molybdenum	1.286	0.9	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	10:57	
Post Mortem	EFY00-06	E0000231	#4	Steer 04	Liver	Primary	7440-66-6	Zinc	39.39	0.1	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	10:57	
Post Mortem	EFY00-06	E0000231	#4	Steer 04	Liver	Primary	7440-43-9	Cadmium	0.4681	0.2	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	10:57	
Post Mortem	EFY00-06	E0000231	#4	Steer 04	Liver	Primary	7439-92-1	Lead	0.0495	2.3	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	10:57	
Post Mortem	EFY00-06	E0000231	#4	Steer 04	Liver	Primary	7439-96-5	Manganese	4.578	0.1	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	10:57	
Post Mortem	EFY00-06	E0000231	#4	Steer 04	Liver	Primary	7439-89-6	Iron	33.77	0.4	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	10:57	
Post Mortem	EFY00-06	E0000232	#4	Steer 04	Kidney	Primary	7440-50-8	Copper	45.66	0.3	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	10:57	
Post Mortem	EFY00-06	E0000232	#4	Steer 04	Kidney	Primary	7439-98-7	Molybdenum	0.1763	0.9	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:01	
Post Mortem	EFY00-06	E0000232	#4	Steer 04	Kidney	Primary	7440-66-6	Zinc	21.05	0.1	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:01	
Post Mortem	EFY00-06	E0000232	#4	Steer 04	Kidney	Primary	7440-43-9	Cadmium	0.8011	0.2	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:01	
Post Mortem	EFY00-06	E0000232	#4	Steer 04	Kidney	Primary	7439-92-1	Lead	0.7397	2.3	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:01	
Post Mortem	EFY00-06	E0000232	#4	Steer 04	Kidney	Primary	7439-96-5	Manganese	1.237	0.1	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:01	
Post Mortem	EFY00-06	E0000232	#4	Steer 04	Kidney	Primary	7439-89-6	Iron	45.61	0.4	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:01	
Post Mortem	EFY00-06	E0000232	#4	Steer 04	Kidney	Primary	7440-50-8	Copper	4.873	0.3	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:01	
Post Mortem	EFY00-06	E0000235	#6	Steer 06	Liver	Primary	7439-98-7	Molybdenum	1.605	0.9	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:04	
Post Mortem	EFY00-06	E0000235	#6	Steer 06	Liver	Primary	7440-66-6	Zinc	62.89	0.1	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:04	
Post Mortem	EFY00-06	E0000235	#6	Steer 06	Liver	Primary	7440-43-9	Cadmium	0.5563	0.2	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:04	
Post Mortem	EFY00-06	E0000235	#6	Steer 06	Liver	Primary	7439-92-1	Lead	-0.0427	2.3	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:04	
Post Mortem	EFY00-06	E0000235	#6	Steer 06	Liver	Primary	7439-96-5	Manganese	4.084	0.1	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:04	
Post Mortem	EFY00-06	E0000235	#6	Steer 06	Liver	Primary	7439-89-6	Iron	44.07	0.4	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:04	
Post Mortem	EFY00-06	E0000235	#6	Steer 06	Liver	Primary	7440-50-8	Copper	52.74	0.3	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:04	
Post Mortem	EFY00-06	E0000236	#6	Steer 06	Kidney	Primary	7439-98-7	Molybdenum	0.6613	0.9	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:07	
Post Mortem	EFY00-06	E0000236	#6	Steer 06	Kidney	Primary	7440-66-6	Zinc	28.36	0.1	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:07	
Post Mortem	EFY00-06	E0000236	#6	Steer 06	Kidney	Primary	7440-43-9	Cadmium	1.336	0.2	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:07	
Post Mortem	EFY00-06	E0000236	#6	Steer 06	Kidney	Primary	7439-92-1	Lead	0.5004	2.3	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:07	
Post Mortem	EFY00-06	E0000236	#6	Steer 06	Kidney	Primary	7439-96-5	Manganese	1.123	0.1	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:07	
Post Mortem	EFY00-06	E0000236	#6	Steer 06	Kidney	Primary	7439-89-6	Iron	54.05	0.4	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:07	
Post Mortem	EFY00-06	E0000236	#6	Steer 06	Kidney	Primary	7440-50-8	Copper	4.990	0.3	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:07	
Post Mortem	EFY00-06	E0000239	#13	Steer 13	Liver	Primary	7439-98-7	Molybdenum	1.577	0.9	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:11	
Post Mortem	EFY00-06	E0000239	#13	Steer 13	Liver	Primary	7440-66-6	Zinc	40.86	0.1	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:11	
Post Mortem	EFY00-06	E0000239	#13	Steer 13	Liver	Primary	7440-43-9	Cadmium	0.2467	0.2	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:11	
Post Mortem	EFY00-06	E0000239	#13	Steer 13	Liver	Primary	7439-92-1	Lead	0.7061	2.3	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:11	
Post Mortem	EFY00-06	E0000239	#13	Steer 13	Liver	Primary	7439-96-5	Manganese	4.504	0.1	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:11	
Post Mortem	EFY00-06	E0000239	#13	Steer 13	Liver	Primary	7439-89-6	Iron	49.09	0.4	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:11	
Post Mortem	EFY00-06	E0000239	#13	Steer 13	Liver	Primary	7440-50-8	Copper	37.93	0.3	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:11	
Post Mortem	EFY00-06	E0000240	#13	Steer 13	Kidney	Primary	7439-98-7	Molybdenum	0.1743	0.9	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:14	
Post Mortem	EFY00-06	E0000240	#13	Steer 13	Kidney	Primary	7440-66-6	Zinc	22.84	0.1	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:14	
Post Mortem	EFY00-06	E0000240	#13	Steer 13	Kidney	Primary	7440-43-9	Cadmium	0.6633	0.2	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:14	
Post Mortem	EFY00-06	E0000240	#13	Steer 13	Kidney	Primary	7439-92-1	Lead	0.2309	2.3	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:14	
Post Mortem	EFY00-06	E0000240	#13	Steer 13	Kidney	Primary	7439-96-5	Manganese	1.126	0.1	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:14	
Post Mortem	EFY00-06	E0000240	#13	Steer 13	Kidney	Primary	7439-89-6	Iron	56.86	0.4	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:14	
Post Mortem	EFY00-06	E0000240	#13	Steer 13	Kidney	Primary	7440-50-8	Copper	5.054	0.3	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:14	
Post Mortem	EFY00-06	E0000243	#19	Steer 19	Liver	Primary	7439-98-7	Molybdenum	1.007	0.9	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:17	
Post Mortem	EFY00-06	E0000243	#19	Steer 19	Liver	Primary	7440-66-6	Zinc	47.66	0.1	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:17	
Post Mortem	EFY00-06	E0000243	#19	Steer 19	Liver	Primary	7440-43-9	Cadmium	0.2077	0.2	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:17	
Post Mortem	EFY00-06	E0000243	#19	Steer 19	Liver	Primary	7439-92-1	Lead	0.6662	2.3	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:17	
Post Mortem	EFY00-06	E0000243	#19	Steer 19	Liver	Primary	7439-96-5	Manganese	3.733	0.1	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:17	
Post Mortem	EFY00-06	E0000243	#19	Steer 19	Liver	Primary	7439-89-6	Iron	57.83	0.4	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:17	
Post Mortem	EFY00-06	E0000243	#19	Steer 19	Liver	Primary	7440-50-8	Copper	58.93	0.3	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:17	
Post Mortem	EFY00-06	E0000244D	#19	Steer 19	Kidney	Primary	7439-98-7	Molybdenum	0.1263	0.9	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:21	
Post Mortem	EFY00-06	E0000244D	#19	Steer 19	Kidney	Primary	7440-66-6	Zinc	19.83	0.1	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:21	

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Post Mortem	EFY00-06	E0000244D	#19	Steer 19	Kidney	Primary	7440-43-9	Cadmium	0.5540	0.2	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:21	
Post Mortem	EFY00-06	E0000244D	#19	Steer 19	Kidney	Primary	7439-92-1	Lead	-0.3088	2.3	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:21	
Post Mortem	EFY00-06	E0000244D	#19	Steer 19	Kidney	Primary	7439-96-5	Manganese	1.022	0.1	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:21	
Post Mortem	EFY00-06	E0000244D	#19	Steer 19	Kidney	Primary	7439-89-6	Iron	41.24	0.4	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:21	
Post Mortem	EFY00-06	E0000244D	#19	Steer 19	Kidney	Primary	7440-50-8	Copper	3.565	0.3	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:21	
Post Mortem	EFY00-06	E0000244	#19	Steer 19	Kidney	Primary	7439-98-7	Molybdenum	0.0767	0.9	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:24	
Post Mortem	EFY00-06	E0000244	#19	Steer 19	Kidney	Primary	7440-66-6	Zinc	19.69	0.1	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:24	
Post Mortem	EFY00-06	E0000244	#19	Steer 19	Kidney	Primary	7440-43-9	Cadmium	0.5450	0.2	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:24	
Post Mortem	EFY00-06	E0000244	#19	Steer 19	Kidney	Primary	7439-92-1	Lead	-0.0545	2.3	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:24	
Post Mortem	EFY00-06	E0000244	#19	Steer 19	Kidney	Primary	7439-96-5	Manganese	1.035	0.1	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:24	
Post Mortem	EFY00-06	E0000244	#19	Steer 19	Kidney	Primary	7439-89-6	Iron	41.94	0.4	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:24	
Post Mortem	EFY00-06	E0000244	#19	Steer 19	Kidney	Primary	7440-50-8	Copper	3.710	0.3	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:24	
Post Mortem	EFY00-06	E0000247	#20	Steer 20	Liver	Primary	7439-98-7	Molybdenum	1.537	0.9	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:32	
Post Mortem	EFY00-06	E0000247	#20	Steer 20	Liver	Primary	7440-66-6	Zinc	43.71	0.1	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:32	
Post Mortem	EFY00-06	E0000247	#20	Steer 20	Liver	Primary	7440-43-9	Cadmium	0.1608	0.2	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:32	
Post Mortem	EFY00-06	E0000247	#20	Steer 20	Liver	Primary	7439-92-1	Lead	0.3724	2.3	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:32	
Post Mortem	EFY00-06	E0000247	#20	Steer 20	Liver	Primary	7439-96-5	Manganese	3.759	0.1	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:32	
Post Mortem	EFY00-06	E0000247	#20	Steer 20	Liver	Primary	7439-89-6	Iron	42.71	0.4	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:32	
Post Mortem	EFY00-06	E0000247	#20	Steer 20	Liver	Primary	7440-50-8	Copper	60.48	0.3	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:32	
Post Mortem	EFY00-06	E0000248	#20	Steer 20	Kidney	Primary	7439-98-7	Molybdenum	-0.1618	0.9	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:35	
Post Mortem	EFY00-06	E0000248	#20	Steer 20	Kidney	Primary	7440-66-6	Zinc	20.56	0.1	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:35	
Post Mortem	EFY00-06	E0000248	#20	Steer 20	Kidney	Primary	7440-43-9	Cadmium	0.3321	0.2	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:35	
Post Mortem	EFY00-06	E0000248	#20	Steer 20	Kidney	Primary	7439-92-1	Lead	-0.4700	2.3	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:35	
Post Mortem	EFY00-06	E0000248	#20	Steer 20	Kidney	Primary	7439-96-5	Manganese	1.265	0.1	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:35	
Post Mortem	EFY00-06	E0000248	#20	Steer 20	Kidney	Primary	7439-89-6	Iron	58.56	0.4	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:35	
Post Mortem	EFY00-06	E0000248	#20	Steer 20	Kidney	Primary	7440-50-8	Copper	4.516	0.3	EDL	ug/g	Wet Wt	1			02/22/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:35	
Post Mortem	EFY00-06	HRL-3	House Ref. Liver	NA	Animal Tissue	HRL	7439-98-7	Molybdenum	3.049	0.9	EDL	ug/g	Wet Wt	1	3	96	NA	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:45	
Post Mortem	EFY00-06	HRL-3	House Ref. Liver	NA	Animal Tissue	HRL	7440-66-6	Zinc	115.2	0.1	EDL	ug/g	Wet Wt	1	120	96	NA	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:45	
Post Mortem	EFY00-06	HRL-3	House Ref. Liver	NA	Animal Tissue	HRL	7440-43-9	Cadmium	52.89	0.2	EDL	ug/g	Wet Wt	1	54	97	NA	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:45	
Post Mortem	EFY00-06	HRL-3	House Ref. Liver	NA	Animal Tissue	HRL	7439-92-1	Lead	48.37	2.3	EDL	ug/g	Wet Wt	1	48	101	NA	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:45	
Post Mortem	EFY00-06	HRL-3	House Ref. Liver	NA	Animal Tissue	HRL	7439-96-5	Manganese	10.13	0.1	EDL	ug/g	Wet Wt	1	10	100	NA	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:45	
Post Mortem	EFY00-06	HRL-3	House Ref. Liver	NA	Animal Tissue	HRL	7439-89-6	Iron	159.2	0.4	EDL	ug/g	Wet Wt	1	183	87	NA	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:45	
Post Mortem	EFY00-06	HRL-3	House Ref. Liver	NA	Animal Tissue	HRL	7440-50-8	Copper	107.4	0.3	EDL	ug/g	Wet Wt	1	123	87	NA	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:45	
Post Mortem	EFY00-07	E0000251CS	Check Standard	NA	Lab QC	CCV	7782-49-2	Selenium	0.051	0.005	EDL	ug/g	Wet Wt	1	0.050	102	NA	ICP, Hydride	VGICP_02-28-00	0229SEH	2/24/2000	2/28/2000	13:31	
Post Mortem	EFY00-07	E0000251B	Laboratory Blank	NA	Lab QC	Blank	7782-49-2	Selenium	-2.11	0.005	EDL	ug/g	Wet Wt	1			NA	ICP, Hydride	VGICP_02-28-00	0229SEH	2/24/2000	2/28/2000	13:34	
Post Mortem	EFY00-07	E0000251SR	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.498	0.005	EDL	ug/g	Wet Wt	1	0.446	112	NA	ICP, Hydride	VGICP_02-28-00	0229SEH	2/24/2000	2/28/2000	13:38	
Post Mortem	EFY00-07	E0000251	2	Steer 02	Liver	Primary	7782-49-2	Selenium	0.849	0.005	EDL	ug/g	Wet Wt	1			02/23/00	ICP, Hydride	VGICP_02-28-00	0229SEH	2/24/2000	2/28/2000	13:41	
Post Mortem	EFY00-07	E0000252	2	Steer 02	Kidney	Primary	7782-49-2	Selenium	2.22	0.005	EDL	ug/g	Wet Wt	1			02/23/00	ICP, Hydride	VGICP_02-28-00	0229SEH	2/24/2000	2/28/2000	13:44	
Post Mortem	EFY00-07	E0000253	2	Steer 02	Skeletal Muscle	Primary	7782-49-2	Selenium	1.24	0.005	EDL	ug/g	Wet Wt	1			02/23/00	ICP, Hydride	VGICP_02-28-00	0229SEH	2/24/2000	2/28/2000	13:47	
Post Mortem	EFY00-07	E0000254	2	Steer 02	Heart	Primary	7782-49-2	Selenium	0.674	0.005	EDL	ug/g	Wet Wt	1			02/23/00	ICP, Hydride	VGICP_02-28-00	0229SEH	2/24/2000	2/28/2000	13:49	
Post Mortem	EFY00-07	E0000255	3	Steer 03	Liver	Primary	7782-49-2	Selenium	0.828	0.005	EDL	ug/g	Wet Wt	1			02/23/00	ICP, Hydride	VGICP_02-28-00	0229SEH	2/24/2000	2/28/2000	13:52	
Post Mortem	EFY00-07	E0000255D	3	Steer 03	Liver	ıb Duplica	7782-49-2	Selenium	0.797	0.005	EDL	ug/g	Wet Wt	1			02/23/00	ICP, Hydride	VGICP_02-28-00	0229SEH	2/24/2000	2/28/2000	13:55	
Post Mortem	EFY00-07	E0000256	3	Steer 03	Kidney	Primary	7782-49-2	Selenium	1.63	0.005	EDL	ug/g	Wet Wt	1			02/23/00	ICP, Hydride	VGICP_02-28-00	0229SEH	2/24/2000	2/28/2000	13:58	
Post Mortem	EFY00-07	E0000257	3	Steer 03	Skeletal Muscle	Primary	7782-49-2	Selenium	1.25	0.005	EDL	ug/g	Wet Wt	1			02/23/00	ICP, Hydride	VGICP_02-28-00	0229SEH	2/24/2000	2/28/2000	14:01	
Post Mortem	EFY00-07	E0000258	3	Steer 03	Heart	Primary	7782-49-2	Selenium	0.673	0.005	EDL	ug/g	Wet Wt	1			02/23/00	ICP, Hydride	VGICP_02-28-00	0229SEH	2/24/2000	2/28/2000	14:04	
Post Mortem	EFY00-07	E0000259	9	Steer 09	Liver	Primary	7782-49-2	Selenium	0.819	0.005	EDL	ug/g	Wet Wt	1			02/23/00	ICP, Hydride	VGICP_02-28-00	0229SEH	2/24/2000	2/28/2000	14:07	
Post Mortem	EFY00-07	E0000260	9	Steer 09	Kidney	Primary	7782-49-2	Selenium	1.56	0.005	EDL	ug/g	Wet Wt	1			02/23/00	ICP, Hydride	VGICP_02-28-00	0229SEH	2/24/2000	2/28/2000	14:09	
Post Mortem	EFY00-07	E0000260SR	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.454	0.005	EDL	ug/g	Wet Wt	1	0.446	102	NA	ICP, Hydride	VGICP_02-28-00	0229SEH	2/24/2000	2/28/2000	14:12	
Post Mortem	EFY00-07	E0000261	9	Steer 09	Skeletal Muscle	Primary	7782-49-2	Selenium	0.539	0.005	EDL	ug/g	Wet Wt	1			02/23/00	ICP, Hydride	VGICP_02-28-00	0229SEH	2/24/2000	2/28/2000	14:15	
Post Mortem	EFY00-07	E0000262	9	Steer 09	Heart	Primary	7782-49-2	Selenium	0.592	0.005	EDL	ug/g	Wet Wt	1			02/23/00	ICP, Hydride	VGICP_02-28-00	0229SEH	2/24/2000	2/28/2000	14:18	
Post Mortem	EFY00-07	E0000263	14	Steer 14	Liver	Primary	7782-49-2	Selenium	0.537	0.005	EDL	ug/g	Wet Wt	1			02/23/00	ICP, Hydride	VGICP_02-28-00	0229SEH	2/24/2000	2/28/2000	14:21	
Post Mortem	EFY00-07	E0000264	14	Steer 14	Kidney	Primary	7782-49-2	Selenium	1.84	0.005	EDL	ug/g	Wet Wt	1			02/23/00	ICP, Hydride	VGICP_02-28-00	0229SEH	2/24/2000	2/28/2000	14:24	
Post Mortem	EFY00-07	E0000265	14	Steer 14	Skeletal Muscle	Primary	7782-49-2	Selenium	0.521	0.005	EDL	ug/g	Wet Wt	1			02/23/00	ICP, Hydride	VGICP_02-28-00	0229SEH	2/24/2000	2/28/2000	14:27	
Post Mortem	EFY00-07	E0000265D	14	Steer 14	Skeletal Muscle	ıb Duplica	7782-49-2	Selenium	0.531	0.005	EDL	ug/g	Wet Wt	1			02/23/00	ICP, Hydride	VGICP_02-28-00	0229SEH	2/24/2000	2/28/2000	14:29	
Post Mortem	EFY00-07	E0000266	14	Steer 14	Heart	Primary	7782-49-2	Selenium	0.536	0.005	EDL	ug/g	Wet Wt	1			02/23/00	ICP, Hydride	VGICP_02-28-00	0229SEH	2/24/2000	2/28/2000	14:32	
Post Mortem	EFY00-07	E0000267	18	Steer 18	Liver	Primary	7782-49-2	Selenium	0.412	0.005	EDL	ug/g	Wet Wt	1			02/23/00	ICP, Hydride	VGICP_02-28-00	0229SEH	2/24/2000	2/28/2000	14:35	
Post Mortem	EFY00-07	E0000268	18	Steer 18	Kidney	Primary	7782-49-2	Selenium	1.38	0.005	EDL	ug/g	Wet Wt	1			02/23/00	ICP, Hydride	VGICP_02-28-00	0229SEH	2/24/2000	2/28/2000	14:38	
Post Mortem	EFY00-07	E0000269	18	Steer 18	Skeletal Muscle	Primary	7782-49-2	Selenium	0.098	0.005	EDL	ug/g	Wet Wt	1			02/23/00	ICP, Hydride	VGICP_02-28-00	0229SEH	2/24/2000	2/28/2000	14:41	

ATTACHMENT A
MWH EDD - 1999 - 2000 CATTLE TISSUE AND BLOOD DATA

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Post Mortem	EFY00-07	E0000270	18	Steer 18	Heart	Primary	7782-49-2	Selenium	0.267	0.005	EDL	ug/g	Wet Wt	1			02/23/00	ICP, Hydride	VGICP_02-28-00	0229SEH	2/24/2000	2/28/2000	14:44	
Post Mortem	EFY00-07	E0000270SR	House Ref. Liver	NA	Animal Tissue	HRL	7782-49-2	Selenium	0.498	0.005	EDL	ug/g	Wet Wt	1	0.446	112	NA	ICP, Hydride	VGICP_02-28-00	0229SEH	2/24/2000	2/28/2000	14:47	
Post Mortem	EFY00-07	HRL3	House Ref. Liver	NA	Animal Tissue	HRL	7439-98-7	Molybdenum	3.046	0.9	EDL	ug/g	Wet Wt	1	3	96	NA	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:45	
Post Mortem	EFY00-07	HRL3	House Ref. Liver	NA	Animal Tissue	HRL	7440-66-6	Zinc	115.2	0.1	EDL	ug/g	Wet Wt	1	120	96	NA	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:45	
Post Mortem	EFY00-07	HRL3	House Ref. Liver	NA	Animal Tissue	HRL	7440-43-9	Cadmium	52.89	0.2	EDL	ug/g	Wet Wt	1	54	97	NA	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:45	
Post Mortem	EFY00-07	HRL3	House Ref. Liver	NA	Animal Tissue	HRL	7439-92-1	Lead	48.37	2.3	EDL	ug/g	Wet Wt	1	48	101	NA	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:45	
Post Mortem	EFY00-07	HRL3	House Ref. Liver	NA	Animal Tissue	HRL	7439-96-5	Manganese	10.13	0.1	EDL	ug/g	Wet Wt	1	10	100	NA	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:45	
Post Mortem	EFY00-07	HRL3	House Ref. Liver	NA	Animal Tissue	HRL	7439-89-6	Iron	159.2	0.4	EDL	ug/g	Wet Wt	1	183	87	NA	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:45	
Post Mortem	EFY00-07	HRL3	House Ref. Liver	NA	Animal Tissue	HRL	7440-50-8	Copper	107.4	0.3	EDL	ug/g	Wet Wt	1	123	87	NA	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:45	
Post Mortem	EFY00-07	E0000251	#2	Steer 02	Liver	Primary	7439-98-7	Molybdenum	1.383	0.9	EDL	ug/g	Wet Wt	1			02/23/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:48	
Post Mortem	EFY00-07	E0000251	#2	Steer 02	Liver	Primary	7440-66-6	Zinc	39.95	0.1	EDL	ug/g	Wet Wt	1			02/23/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:48	
Post Mortem	EFY00-07	E0000251	#2	Steer 02	Liver	Primary	7440-43-9	Cadmium	0.2800	0.2	EDL	ug/g	Wet Wt	1			02/23/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:48	
Post Mortem	EFY00-07	E0000251	#2	Steer 02	Liver	Primary	7439-92-1	Lead	-0.4424	2.3	EDL	ug/g	Wet Wt	1			02/23/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:48	
Post Mortem	EFY00-07	E0000251	#2	Steer 02	Liver	Primary	7439-96-5	Manganese	4.088	0.1	EDL	ug/g	Wet Wt	1			02/23/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:48	
Post Mortem	EFY00-07	E0000251	#2	Steer 02	Liver	Primary	7439-89-6	Iron	49.01	0.4	EDL	ug/g	Wet Wt	1			02/23/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:48	
Post Mortem	EFY00-07	E0000251	#2	Steer 02	Liver	Primary	7440-50-8	Copper	42.93	0.3	EDL	ug/g	Wet Wt	1			02/23/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:48	
Post Mortem	EFY00-07	E0000252	#2	Steer 02	Kidney	Primary	7439-98-7	Molybdenum	0.4458	0.9	EDL	ug/g	Wet Wt	1			02/23/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:52	
Post Mortem	EFY00-07	E0000252	#2	Steer 02	Kidney	Primary	7440-66-6	Zinc	22.19	0.1	EDL	ug/g	Wet Wt	1			02/23/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:52	
Post Mortem	EFY00-07	E0000252	#2	Steer 02	Kidney	Primary	7440-43-9	Cadmium	0.9165	0.2	EDL	ug/g	Wet Wt	1			02/23/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:52	
Post Mortem	EFY00-07	E0000252	#2	Steer 02	Kidney	Primary	7439-92-1	Lead	0.6594	2.3	EDL	ug/g	Wet Wt	1			02/23/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:52	
Post Mortem	EFY00-07	E0000252	#2	Steer 02	Kidney	Primary	7439-96-5	Manganese	1.264	0.1	EDL	ug/g	Wet Wt	1			02/23/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:52	
Post Mortem	EFY00-07	E0000252	#2	Steer 02	Kidney	Primary	7439-89-6	Iron	56.70	0.4	EDL	ug/g	Wet Wt	1			02/23/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:52	
Post Mortem	EFY00-07	E0000252	#2	Steer 02	Kidney	Primary	7440-50-8	Copper	4.491	0.3	EDL	ug/g	Wet Wt	1			02/23/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:52	
Post Mortem	EFY00-07	E0000255	#3	Steer 03	Liver	Primary	7439-98-7	Molybdenum	1.452	0.9	EDL	ug/g	Wet Wt	1			02/23/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:55	
Post Mortem	EFY00-07	E0000255	#3	Steer 03	Liver	Primary	7440-66-6	Zinc	55.11	0.1	EDL	ug/g	Wet Wt	1			02/23/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:55	
Post Mortem	EFY00-07	E0000255	#3	Steer 03	Liver	Primary	7440-43-9	Cadmium	0.3124	0.2	EDL	ug/g	Wet Wt	1			02/23/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:55	
Post Mortem	EFY00-07	E0000255	#3	Steer 03	Liver	Primary	7439-92-1	Lead	0.2230	2.3	EDL	ug/g	Wet Wt	1			02/23/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:55	
Post Mortem	EFY00-07	E0000255	#3	Steer 03	Liver	Primary	7439-96-5	Manganese	4.645	0.1	EDL	ug/g	Wet Wt	1			02/23/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:55	
Post Mortem	EFY00-07	E0000255	#3	Steer 03	Liver	Primary	7439-89-6	Iron	67.80	0.4	EDL	ug/g	Wet Wt	1			02/23/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:55	
Post Mortem	EFY00-07	E0000255	#3	Steer 03	Liver	Primary	7440-50-8	Copper	52.90	0.3	EDL	ug/g	Wet Wt	1			02/23/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:55	
Post Mortem	EFY00-07	E0000256	#3	Steer 03	Kidney	Primary	7439-98-7	Molybdenum	0.3404	0.9	EDL	ug/g	Wet Wt	1			02/23/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:58	
Post Mortem	EFY00-07	E0000256	#3	Steer 03	Kidney	Primary	7440-66-6	Zinc	22.60	0.1	EDL	ug/g	Wet Wt	1			02/23/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:58	
Post Mortem	EFY00-07	E0000256	#3	Steer 03	Kidney	Primary	7440-43-9	Cadmium	0.7051	0.2	EDL	ug/g	Wet Wt	1			02/23/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:58	
Post Mortem	EFY00-07	E0000256	#3	Steer 03	Kidney	Primary	7439-92-1	Lead	0.5404	2.3	EDL	ug/g	Wet Wt	1			02/23/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:58	
Post Mortem	EFY00-07	E0000256	#3	Steer 03	Kidney	Primary	7439-96-5	Manganese	1.090	0.1	EDL	ug/g	Wet Wt	1			02/23/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:58	
Post Mortem	EFY00-07	E0000256	#3	Steer 03	Kidney	Primary	7439-89-6	Iron	52.73	0.4	EDL	ug/g	Wet Wt	1			02/23/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:58	
Post Mortem	EFY00-07	E0000256	#3	Steer 03	Kidney	Primary	7440-50-8	Copper	4.631	0.3	EDL	ug/g	Wet Wt	1			02/23/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	11:58	
Post Mortem	EFY00-07	E0000259	#9	Steer 09	Liver	Primary	7439-98-7	Molybdenum	1.111	0.9	EDL	ug/g	Wet Wt	1			02/23/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	12:02	
Post Mortem	EFY00-07	E0000259	#9	Steer 09	Liver	Primary	7440-66-6	Zinc	41.36	0.1	EDL	ug/g	Wet Wt	1			02/23/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	12:02	
Post Mortem	EFY00-07	E0000259	#9	Steer 09	Liver	Primary	7440-43-9	Cadmium	0.3306	0.2	EDL	ug/g	Wet Wt	1			02/23/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	12:02	
Post Mortem	EFY00-07	E0000259	#9	Steer 09	Liver	Primary	7439-92-1	Lead	0.0318	2.3	EDL	ug/g	Wet Wt	1			02/23/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	12:02	
Post Mortem	EFY00-07	E0000259	#9	Steer 09	Liver	Primary	7439-96-5	Manganese	3.347	0.1	EDL	ug/g	Wet Wt	1			02/23/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	12:02	
Post Mortem	EFY00-07	E0000259	#9	Steer 09	Liver	Primary	7439-89-6	Iron	35.07	0.4	EDL	ug/g	Wet Wt	1			02/23/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	12:02	
Post Mortem	EFY00-07	E0000259	#9	Steer 09	Liver	Primary	7440-50-8	Copper	61.07	0.3	EDL	ug/g	Wet Wt	1			02/23/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	12:02	
Post Mortem	EFY00-07	E0000260	#9	Steer 09	Kidney	Primary	7439-98-7	Molybdenum	0.1258	0.9	EDL	ug/g	Wet Wt	1			02/23/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	12:08	
Post Mortem	EFY00-07	E0000260	#9	Steer 09	Kidney	Primary	7440-66-6	Zinc	17.32	0.1	EDL	ug/g	Wet Wt	1			02/23/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	12:08	
Post Mortem	EFY00-07	E0000260	#9	Steer 09	Kidney	Primary	7440-43-9	Cadmium	0.5520	0.2	EDL	ug/g	Wet Wt	1			02/23/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	12:08	
Post Mortem	EFY00-07	E0000260	#9	Steer 09	Kidney	Primary	7439-92-1	Lead	0.3002	2.3	EDL	ug/g	Wet Wt	1			02/23/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	12:08	
Post Mortem	EFY00-07	E0000260	#9	Steer 09	Kidney	Primary	7439-96-5	Manganese	0.8092	0.1	EDL	ug/g	Wet Wt	1			02/23/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	12:08	
Post Mortem	EFY00-07	E0000260	#9	Steer 09	Kidney	Primary	7439-89-6	Iron	63.90	0.4	EDL	ug/g	Wet Wt	1			02/23/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	12:08	
Post Mortem	EFY00-07	E0000260	#9	Steer 09	Kidney	Primary	7440-50-8	Copper	3.611	0.3	EDL	ug/g	Wet Wt	1			02/23/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	12:08	
Post Mortem	EFY00-07	E0000263	#14	Steer 14	Liver	Primary	7439-98-7	Molybdenum	1.257	0.9	EDL	ug/g	Wet Wt	1			02/23/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	12:12	
Post Mortem	EFY00-07	E0000263	#14	Steer 14	Liver	Primary	7440-66-6	Zinc	37.41	0.1	EDL	ug/g	Wet Wt	1			02/23/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	12:12	
Post Mortem	EFY00-07	E0000263	#14	Steer 14	Liver	Primary	7440-43-9	Cadmium	0.3328	0.2	EDL	ug/g	Wet Wt	1			02/23/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	12:12	
Post Mortem	EFY00-07	E0000263	#14	Steer 14	Liver	Primary	7439-92-1	Lead	0.0079	2.3	EDL	ug/g	Wet Wt	1			02/23/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	12:12	
Post Mortem	EFY00-07	E0000263	#14	Steer 14	Liver	Primary	7439-96-5	Manganese	2.926	0.1	EDL	ug/g	Wet Wt	1			02/23/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	12:12	
Post Mortem	EFY00-07	E0000263	#14	Steer 14	Liver	Primary	7439-89-6	Iron	46.12	0.4	EDL	ug/g	Wet Wt	1			02/23/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	12:12	
Post Mortem	EFY00-07	E0000263	#14	Steer 14	Liver	Primary	7440-50-8	Copper	12.64	0.3	EDL	ug/g	Wet Wt	1			02/23/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	12:12	

Phase	UIASL Case #	UIASL Sample ID	Field Sample ID	Steer ID	Matrix	QC Type	CAS #	Analyte	Result	Limit	Limit Type	Units	Reporting Basis	Dilution Factor	Spike Amt	% REC	Date Received	Method	Raw Data Batch	Prep Batch	Date Prep	Date Analyzed	Time Analyzed	Note
Post Mortem	EFY00-07	E0000264	#14	Steer 14	Kidney	Primary	7439-98-7	Molybdenum	0.6456	0.9	EDL	ug/g	Wet Wt	1			02/23/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	12:15	
Post Mortem	EFY00-07	E0000264	#14	Steer 14	Kidney	Primary	7440-66-6	Zinc	22.29	0.1	EDL	ug/g	Wet Wt	1			02/23/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	12:15	
Post Mortem	EFY00-07	E0000264	#14	Steer 14	Kidney	Primary	7440-43-9	Cadmium	1.024	0.2	EDL	ug/g	Wet Wt	1			02/23/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	12:15	
Post Mortem	EFY00-07	E0000264	#14	Steer 14	Kidney	Primary	7439-92-1	Lead	0.6460	2.3	EDL	ug/g	Wet Wt	1			02/23/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	12:15	
Post Mortem	EFY00-07	E0000264	#14	Steer 14	Kidney	Primary	7439-96-5	Manganese	1.075	0.1	EDL	ug/g	Wet Wt	1			02/23/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	12:15	
Post Mortem	EFY00-07	E0000264	#14	Steer 14	Kidney	Primary	7439-89-6	Iron	54.05	0.4	EDL	ug/g	Wet Wt	1			02/23/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	12:15	
Post Mortem	EFY00-07	E0000264	#14	Steer 14	Kidney	Primary	7440-50-8	Copper	4.289	0.3	EDL	ug/g	Wet Wt	1			02/23/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	12:15	
Post Mortem	EFY00-07	E0000267	#18	Steer 18	Liver	Primary	7439-98-7	Molybdenum	1.380	0.9	EDL	ug/g	Wet Wt	1			02/23/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	12:19	
Post Mortem	EFY00-07	E0000267	#18	Steer 18	Liver	Primary	7440-66-6	Zinc	52.22	0.1	EDL	ug/g	Wet Wt	1			02/23/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	12:19	
Post Mortem	EFY00-07	E0000267	#18	Steer 18	Liver	Primary	7440-43-9	Cadmium	0.1895	0.2	EDL	ug/g	Wet Wt	1			02/23/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	12:19	
Post Mortem	EFY00-07	E0000267	#18	Steer 18	Liver	Primary	7439-92-1	Lead	0.3096	2.3	EDL	ug/g	Wet Wt	1			02/23/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	12:19	
Post Mortem	EFY00-07	E0000267	#18	Steer 18	Liver	Primary	7439-96-5	Manganese	3.139	0.1	EDL	ug/g	Wet Wt	1			02/23/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	12:19	
Post Mortem	EFY00-07	E0000267	#18	Steer 18	Liver	Primary	7439-89-6	Iron	48.40	0.4	EDL	ug/g	Wet Wt	1			02/23/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	12:19	
Post Mortem	EFY00-07	E0000267	#18	Steer 18	Liver	Primary	7440-50-8	Copper	58.87	0.3	EDL	ug/g	Wet Wt	1			02/23/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	12:19	
Post Mortem	EFY00-07	E0000268	#18	Steer 18	Kidney	Primary	7439-98-7	Molybdenum	0.3165	0.9	EDL	ug/g	Wet Wt	1			02/23/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	12:22	
Post Mortem	EFY00-07	E0000268	#18	Steer 18	Kidney	Primary	7440-66-6	Zinc	19.99	0.1	EDL	ug/g	Wet Wt	1			02/23/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	12:22	
Post Mortem	EFY00-07	E0000268	#18	Steer 18	Kidney	Primary	7440-43-9	Cadmium	0.3128	0.2	EDL	ug/g	Wet Wt	1			02/23/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	12:22	
Post Mortem	EFY00-07	E0000268	#18	Steer 18	Kidney	Primary	7439-92-1	Lead	0.7480	2.3	EDL	ug/g	Wet Wt	1			02/23/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	12:22	
Post Mortem	EFY00-07	E0000268	#18	Steer 18	Kidney	Primary	7439-96-5	Manganese	1.143	0.1	EDL	ug/g	Wet Wt	1			02/23/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	12:22	
Post Mortem	EFY00-07	E0000268	#18	Steer 18	Kidney	Primary	7439-89-6	Iron	47.76	0.4	EDL	ug/g	Wet Wt	1			02/23/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	12:22	
Post Mortem	EFY00-07	E0000268	#18	Steer 18	Kidney	Primary	7440-50-8	Copper	4.580	0.3	EDL	ug/g	Wet Wt	1			02/23/00	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	12:22	
Post Mortem	EFY00-07	HRL4	House Ref. Liver	NA	Animal Tissue	HRL	7439-98-7	Molybdenum	3.461	0.9	EDL	ug/g	Wet Wt	1	3	109	NA	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	12:25	
Post Mortem	EFY00-07	HRL4	House Ref. Liver	NA	Animal Tissue	HRL	7440-66-6	Zinc	123.0	0.1	EDL	ug/g	Wet Wt	1	120	103	NA	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	12:25	
Post Mortem	EFY00-07	HRL4	House Ref. Liver	NA	Animal Tissue	HRL	7440-43-9	Cadmium	55.03	0.2	EDL	ug/g	Wet Wt	1	54	101	NA	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	12:25	
Post Mortem	EFY00-07	HRL4	House Ref. Liver	NA	Animal Tissue	HRL	7439-92-1	Lead	46.15	2.3	EDL	ug/g	Wet Wt	1	48	96	NA	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	12:25	
Post Mortem	EFY00-07	HRL4	House Ref. Liver	NA	Animal Tissue	HRL	7439-96-5	Manganese	11.50	0.1	EDL	ug/g	Wet Wt	1	10	114	NA	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	12:25	
Post Mortem	EFY00-07	HRL4	House Ref. Liver	NA	Animal Tissue	HRL	7439-89-6	Iron	184.7	0.4	EDL	ug/g	Wet Wt	1	183	101	NA	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	12:25	
Post Mortem	EFY00-07	HRL4	House Ref. Liver	NA	Animal Tissue	HRL	7440-50-8	Copper	133.2	0.3	EDL	ug/g	Wet Wt	1	123	108	NA	ICP	HMICP_02-25-00	0225HMS	2/24/2000	2/25/2000	12:25	

IRD - There is insufficient raw data to perform data validation for the dataset associated with this sample.
BHRS - UIASL reports that the stoppers used for the red-top serum collection tubes contained zinc, so the zinc value from this sample may be biased high.
INK - The ink on raw data was too light to be legible.

ATTACHMENT B

Screening Values for Metals in Tissues and Blood of Cattle

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Screening Values for Metals in Tissues and Blood of Cattle

		Human Health	Ecological [b]	
	Estimated Detection Limit	Food Standards Code Australia New Zealand [a]	Adequate/Normal Range [c]	Toxic Range
Media/ Constituent	(mg/kg w.w.)	(mg/kg w.w.)	(ppm w.w.)	(ppm w.w.)
Whole Blood				
Selenium	0.005	NA	0.200 - 1.200	14.00 - 16.40
Plasma				
Molybdenum	0.007	NA	0.01 - 0.05	0.10 - 6.00
Serum				
Calcium	0.07	NA	80 - 110	120 - 300
Copper	0.07	NA	0.80 - 1.50	4.00 - 11.0
Iron	0.22	NA	1.3 - 2.5	18 - 25
Magnesium	0.04	NA	18 - 35	40 - 63
Phosphorus	2.0	NA	45 - 60	> 120
Selenium	0.005	NA	0.080 - 0.300	3.500 - 4.100
Zinc	0.08	NA	0.80 - 1.40	3.00 - 15.0
Skeletal Muscle/Heart				
Selenium	0.005	--	0.070 - 0.150	0.500 - 1.500
Liver				
Cadmium	0.2	1.25	0.02 - 1.0	50 - 160
Copper	0.3	--	25 - 100	250 - 800
Iron	0.4	--	45 - 300	--
Lead	2.3	0.5	0.1 - 1.0	5.0 - 300
Manganese	0.1	--	2.5 - 6.0	--
Molybdenum	0.9	--	0.14 - 1.40	2.0 - 100
Selenium	0.005	--	0.25 - 0.50	1.25 - 7.00
Zinc	0.1	--	25 - 100	120 - 500
Kidney				
Cadmium	0.2	--	0.05 - 1.5	100 - 250
Copper	0.3	--	4.0 - 6.0	10 - 122
Iron	0.4	--	30 - 150	--
Lead	2.3	0.5	0.2 - 2.0	5.0 - 700
Manganese	0.1	--	1.20 - 2.00	--
Molybdenum	0.9	--	0.22 - 0.57	1.15 - 34.0
Selenium	0.005	--	1.00 - 1.50	2.50 - 5.00
Zinc	0.1	--	18 - 25	130 - 480

-- - indicates chemical not included in study
d.w. - dry weight
mg/kg -milligrams per kilogram
NA - not applicable
w.w - wet weight

[a] Values for cadmium and lead are for liver and edible offal, respectively. (http://www.daff.gov.au/__data/assets/pdf_file/0018/452061/intnl-beef-mrls.pdf and http://www.foodstandards.gov.au/_srcfiles/Standard_1_4_1_Contaminants_v109.pdf)

[b] Puls, R. 1994. Mineral Levels in Animal Health. Sherpa International.

[c] Adequate levels are presented for all chemical except for chemicals which deficiencies are unknown (i.e., cadmium, lead and molybdenum) (Puls, 1994).

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APPENDIX E
Laboratory and Data Validation Reports for Samples Collected from 2004 through 2009
(Available only on DVD)

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APPENDIX F
Laboratory Documents Associated with Elk Tissue, Bird Egg and Cattle Study Data
(Available only on CD)

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APPENDIX G
Comments and Comment Responses

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 10
IDAHO OPERATIONS OFFICE
1435 N. Orchard St.
Boise, Idaho 83706

May 25, 2010

Barry Koch
Special Projects Lead – Mining
Monsanto Company
P.O. Box 816
Soda Springs, Idaho 83276

Re: Conditional Approval of *Data Quality and Usability Report (DQUR) And Data Approval Request (DAR) Draft, Revision 2*, May 14, 2010 and associated Response to Comments, May 18, 2010, prepared for P4 Production by MWH.

Dear Mr. Koch,

The Agencies and Tribes (A/T) have reviewed the above referenced deliverable submitted electronically by P4. This work product was developed pursuant to the 2009 RI/FS Settlement Agreement. All remaining comments have been adequately addressed and we are now providing conditional of the documents. It is our understanding that P4 will now produce and distribute a final DQUR and DAR containing all text and appendices. We will provide approval on receipt of the final documents.

If you have any questions, please contact me. I can be reached at 208-378-5763 or electronically at tomten.dave@epa.gov.

Sincerely,

Dave Tomten
Remedial Project Manager

Enclosure

cc: Cary Faulk, MWH
Mike Rowe, IDEQ
Mary Kaufman, FS
Jim Alexander, USDA
Forest Service - Enoch Valley Site Record
Jeff Cundick, BLM

Sandi Arena, US FWS
Kelly Wright, Shoshone Bannock Tribes
Eldine Stevens, BIA
Susan Hanson (for the tribes)
Tim Mosko, CH2MHill
EPA Site File (electronic version only)

And Usability Report (DQUR) And Data Approval Request (DAR) Draft Revision 1, prepared for P4 Production by MWH, May 18, 2010 (Page 1 of 10)

On January 14, 2010 P4 submitted the *Data Quality and Usability Report (DQUR) and Data Approval Request (DAR), Draft Revision 0,* to the Agencies and Tribes (A/T) for review and comment. On February 17, 2010, the A/T provided comments, and on a March 1, 2010 conference call the A/T answered comments P4 had on the comments. In order to help shorten the comment/comment response process, P4 then submitted on March 12, 2010 a set of draft comment response to the A/T for their approval. Subsequently, the A/T provided a limited set of comments on P4's draft response. On April 14, 2010, P4 responded to those comments (there were a total of six "New P4 Responses") and provided Draft Revision 1 in tracked changes mode, with additional or changed documents as per the responses. On May 5, and the A/T provided a total of four comments (one general and three specific comments) to the Draft Revision 1 (these comments follow relevant original comment/response, and are noted as "A/T May 5th Comment"). Each May 5th A/T comment is followed by P4's response (noted as "P4 Response to May 5th Comment"), and, as applicable, the proposed revised text for Draft Revision 2 DQUR/DAR.

Please note that we have added the preceding comments and responses as back up to our responses to the current May 5 A/T comments. However, where they are included, these are included in a text box to distinguish them from the current comments and responses. In addition, please note that the comment-response sequence appears in chronological ordered so the relevant comments and responses precede the new comment and response.

A/T COMMENTS AND P4'S RESPONSES

General Comments

A/T May 5th General Comment No. 1: The referenced document is P4's assessment of the quality and usability of existing data that P4 considers necessary to support RI/FS process. This document was prepared pursuant to the statement of work (SOW) for the Remedial Investigation and Feasibility Studies (RI/FS) at the Enoch Valley, Henry, and Ballard Phosphate Mine Sites in southeastern Idaho. The referenced document represents a revision to a previous document dated January 14, 2010. P4's revisions were prepared in response to written comments provided by the Agency/Tribes (A/T) on February 17, 2010 and March 25, 2010 and verbal comments provided during routine conference calls between the A/T and P4.

The A/T has reviewed the referenced document for consistency with previous comments. The revised document appears to be consistent with the A/T comments with the exception of the items listed below in Specific Comments. We are prepared to approve the document once these remaining comments are resolved and incorporated into a final draft.

In addition, we found tracking of comments and responses through this iterative process to be confusing. We suggest discussing protocols (such as numbering of comments) to create consistency and improve this process in the future.

P4 Response to May 5th General Comment No. 1: *Noted. In addition, we foresee that the need to have a clear comment and response format will be an important issue to have resolved prior to the review and response process for the RI/FS Work Plan.*

And Usability Report (DQUR) And Data Approval Request (DAR) Draft Revision 1, prepared for P4 Production by MWH, May 18, 2010
(Page 2 of 10)

Relevant Preceding Comments and Responses for A/T's May 5, 2010 Specific Comment No.1

General Comments

As previously noted in the A/T's February 17, 2010 comments, the specific intended use of some of the data submitted in the DQUR and DAR still need to be identified, and these same datasets will need to be evaluated against current RI/FS project's Data Quality Objectives (DQOs) and Data Quality Indicators (DQIs). As also previously noted, the A/T agree that these data sets are of known quality and are generally appropriate for use in the RI/FS, however a blanket acceptance of use for all purposes is not warranted because some of these data sets will only serve to support other lines of evidence and to ground-truth modeling from data of higher certainty. In the referenced RTC document, P4 acknowledges this limitation and will revise the DQUR and the DAR, accordingly, as stated by P4 in the referenced RTC document:

> "However, the use of such data is still subjected to project-specific data usability evaluations during the RI/FS Work Plan development process based on Data Quality Objectives (DQOs), risk assessment planning and possibly other planning steps."

It is the A/T's understanding that P4 intends to revise the DQUR and DAR to explicitly state that A/T approval of the DQUR will represent a preliminary approval of the data for intended uses; that is, final approval will be based on A/T approval of the RI/FS Work Plan DQOs and DQIs and other applicable planning steps. Therefore, it appears that the *process* for assessing the data usability for these datasets as described in Task 1.c. of the SOW will be adequately and appropriately addressed in the DQUR and DAR document once the A/T's February 17, 2010 comments are incorporated as agreed to by P4 in the referenced RTC document. See also language in SOW (page 4 and 5) explicitly recognizing that: (1) evaluation of quality and usability of data will be refined as intended uses are more specifically defined, and (2) final approval of the data for these intended uses will be part of the final approval of the RI/FS Work Plan.

New P4 Response: *Acknowledged. Because of the interactive processes that occur during the work plan development process, it is not realistic to be able to present the final data uses very far in advance of the work plan submission and A/T approval.*

A/T May 5th Specific Comment No. 1, Page 2: P4's response acknowledging the comment is insufficient. The response states "acknowledged" rather than clearly stating how the text was revised as required by the Agencies. In reviewing Section 1.1Purpose of the redline/strikeout version of the revised report, it appears the comment was partially addressed. In the final draft version of the

And Usability Report (DQUR) And Data Approval Request (DAR) Draft Revision 1, prepared for P4 Production by MWH, May 18, 2010
(Page 3 of 10)

DQUR, please include the more explicit language recommended that pertains to final approval of data. The revised language in the DAR however is acceptable.

P4 Response to May 5th Specific Comment No. 1: *The text in the DAR and at the end of Section 1.1 was added in response to the original comments to indicate the relationship between the RI/FS Work Plan, data uses and approval. The text in Section 1.1 has now been further clarified to indicate that final data approval will occur with Work Plan approval consistent with the SOW. The revised text now reads, " Data indicated in the DQUR and DAR as being suitable for "all data uses" are available for consideration for the specific and relevant uses indicated in the USEPA RI/FS Guidance (EPA,1988) – i.e., site characterization, evaluation of alternatives, and risk assessment, as well as scoping. However, the use of such data is still subjected to project-specific data usability evaluations during the RI/FS Work Plan development process based on Data Quality Objectives (DQOs), risk assessment planning and possibly other planning steps. Consistent with the SOW, final approval of the data and data uses will be inherent to the approval of the RI/FS Work Plan where these project-specific considerations will be presented. In Section 6 of this DQUR, it is indicated as to which data sets have been evaluated against existing DQOs and which will be evaluated against RI/FS Work Plan DQOs." The underlined sentence was added in response to the most recent comment."*

Relevant Preceding Comments and Responses for A/T's May 5, 2010 Specific Comment No.2

A/T General Comment 0-A: Pursuant to Task 1.c. of the SOW, P4 has submitted a report (DQUR) documenting the results of an evaluation of the quality and usability of existing data, which is subject to EPA approval. The A/T makes the following general comments on the use of pre-2009 CO/AOC data as presented in the DQUR:

- The DQUR appears to be well written and presented in a logical, understandable format.
- A significant amount of data have been collected and it is desirable to maximize use of existing data in the RI/FS;
- The DQUR appears to adequately document the quality of the selected pre- 2003 CO/AOC data (elk, cattle, and bird egg tissue) consistent with EPA guidance and direction ("the roadmap"), other than as specified in these A/T comments.
- The DQUR summarizes and documents data collected pursuant to the 2003 CO/AOC. All of these data sets have been validated. Some of these data sets have updated DQOs (groundwater, surface water, soil, vegetation), while others do not (e.g., benthic data, sediment data, fish tissue data).
- The selected data in the DQUR are all potentially relevant to the P4 Mines, have been validated, and are of known quality. Thus, these data sets may be used in the RI/FS consistent with any limitations identified in data validation and usability assessments.

And Usability Report (DQUR) And Data Approval Request (DAR) Draft Revision 1, prepared for P4 Production by MWH, May 18, 2010
(Page 4 of 10)

- For some data sets, specific intended uses have not been defined at this point. As specific intended uses are established or refined in DQOs in the final RI/FS work plan, further evaluation of quality and usability will be needed to ensure that data of appropriate type and quality are used to support intended uses.

Consistent with Task 1.c. of the SOW, the DQUR provides an acceptable assessment of the quality and usability of the elk, cattle, and bird egg datasets. This assessment was generally consistent with EPA guidance and direction provided in the "roadmap," and included defining intended uses of these datasets, establishing data quality specifications, evaluating data relative to data quality specifications, and documentation of findings.

The DQUR also summarized and assessed of the quality of the validated 2004 -2009 data, excluding issues identified in the "Specific Comments" section below. For the 2009 soil, vegetation, surface water, and groundwater datasets, these data were collected based on approved media-specific DQOs, thus it is assumed that these data are adequately documented and further usability assessment of the 2009 datasets is unnecessary at this time.

For the remaining 2004 – 2008 datasets, on the other hand, these data were collected pursuant to previously approved planning documents and have been validated, thus are of known quality. The DQUR does not, however, include an evaluation of usability of this data relative to current DQOs and data quality specifications. The DQUR notes that the validated 2004-2008 data sets are likely to be usable for the general purposes of scoping and characterization, risk assessment, and feasibility study, but specific intended uses have not been established.

Consistent with the SOW and EPA guidance, P4 must document the usability of validated 2004-2008 data sets to support specific intended uses. To document the usability of the validated 2004 - 2008 data for the RI/FS work plan, P4 will need to complete an assessment of each validated 2004-2008 media dataset relative to applicable DQOs and data quality specifications such as representativeness, comparability to screening levels, and precision, etc.. To complete a usability assessment for the 2004-2008 data P4 should complete the following tasks:

- For the 2004-2008 soil, vegetation, surface water, and groundwater data, the datasets should be compared to the current approved DQOs and data quality specifications per the 2009 work plans for these media.

P4 Response: *A statement will be added to the DQUR indicating how the soil, vegetation, surface water and groundwater compare to the current DQOs for those media. However, these DQOs may be slightly modified during the Work Plan development. While it is possible that the DQOs developed for the new RI tasks may change somewhat from the DQOs previously used to collect Site data, we believe this will not affect 2004 – 2008 data usability in future RI evaluations in any way.* ***[Note to A/T this should be discussed because there are some contradictory messages in the comments.]***

A/T Response*: The P4 response to the latter bullet is insufficient. It will require more than a single statement to*

And Usability Report (DQUR) And Data Approval Request (DAR) Draft Revision 1, prepared for P4 Production by MWH, May 18, 2010
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document how the 2004-2008 soil, vegetation, surface water and groundwater data are evaluated against the existing Data Quality Objectives and Data Quality Indicators. A matrix table is recommended.
Additionally, the A/T is available to discuss and provide clarification on all comments. If P4 believes are there contradictory messages that require clarification, please advise.

***New P4 Response**: An expanded table will be added to the Section 6 summary. The table will more explicitly address the A/T concern with DQOs and DQIs. Through discussions with the A/T any questions regarding the original comment letter and contradictory messages have been resolved.*

- For the other 2004-2008 datasets (fish, benthic macroinverts, sediment, riparian soil, and riparian vegetation), the usability of the data must be assessed relative to updated and approved DQOs and associated data quality specifications. As Task 1.c. of the SOW expressly states,

  "The report will provide an assessment of quality and usability of existing data to support specific intended uses consistent with EPA guidance. This report will document findings, and potential limitations or caveats on the data and make recommendations on actions needed (e.g., confirmation sampling, relaxation of acceptance criteria) for data to support intended uses."

***P4 Response:** Noted - DQOs will be presented in the RI/FS Work Plan and these DQOs will ultimately be used for final determination of usability of the 2004-2008 data. However, as expressed above, even though modified DQOs may developed for the new RI tasks, we believe this will not affect 2004 – 2008 data usability for evaluations during the RI in anyway. In addition, it should be noted that the quality and usability may be sufficient for the RI/FS even though possibly inadequate DQOs were used in the data collection planning process.*

***A/T Response**: 0-A, Response to 2nd bullet on page 3: P4's response "(Noted)" is insufficient. The text in the DQUR needs to be revised to include a statement that the usability of the 2004-2008 datasets (fish, benthic macroinvertebrates, sediment, riparian soil, and riparian vegetation) will be assessed relative to updated and approved DQOS and their associated DQIs.*

***New P4 Response:** The table added to Section 6 and associated new text address this comment. Specifically, the table identifies were data groups have been reviewed against current DQOs and which groups need to be reviewed against DQOs and DQIs in the pending work plan.*

This evaluation of the 2004-2008 datasets may be included in the Data Usability Assessment Report prior to acceptance by the Agencies or may be deferred to the RI/FS work plan if deemed necessary to keep the project on track and on schedule. Technically, final approval of the use of the data is applicable to when the specific uses of the data have been identified in the DQOs within the RI/FS work plan. This would be consistent with the last three sentences in Task 1.c. of the SOW that reads:

"Because this deliverable [DQUR] will precede submittal of an RI/FS Work Plan, there are some data sets (e.g., biotic data sets) for which intended uses (e.g., refinement of risk) are generally known

And Usability Report (DQUR) And Data Approval Request (DAR) Draft Revision 1, prepared for P4 Production by MWH, May 18, 2010
(Page 6 of 10)

but have not been specifically defined. For such data sets, quality and usability will be further evaluated as uses are refined to ensure that data of appropriate type and quality are used to support intended uses. Final approval of the data for these intended uses will be part of the final approval of the RI/FS Work Plan. This essentially states that all datasets used in the RI/FS process are subject to final approval of the RI/FS work plan.

In summary, the A/T agrees that the selected data in the DQUR are relevant to the P4 Mines and are of known quality, thus may be used in the RI/FS consistent with any limitations identified in approved data validation assessments, usability assessments, and DQOs in the final RI/FS work plan. Final DQOs for the RI/FS are still to be established and may be further refined as the investigation moves forward. As a result, it must be recognized by all parties that DQOs may evolve as the project progresses.

P4 Response: *Comment noted.*

A/T Response: 0-A, *Response to 1st incomplete comment on page 4: P4's response (Noted) is insufficient. The Agency comment states that the evaluation of the 2004-2008 datasets may be included in a revised DQUR or may be deferred to the RI/FS Work Plan. P4 needs to decide whether they will revise the DQUR accordingly or defer to the RI/FS Work Plan. In either case, that decision needs to be documented in the DQUR.*

New P4 Response: *See previous comment responses regarding inclusion of a table in the summary. This table will expressly identify which data gaps are to be reviewed against DQOs contained in the pending work plan.*

A/T May 5th Specific Comment No. 2, Section 5.0. Section 5.0 discusses existing datasets to be used in the RI/FS process. In support of the text in Section 5.0, Tables 6-2 and 6-3 were added to the referenced document to provide additional details on status of the individual data sets, including disposition of related DQOs, and additional support information related to usability screening.

However, Tables 6-2 and 6-3 each include information on 2004 data sets that are not mentioned in Section 5.0 of the referenced document. Specifically, Tables 6-2 and 6-3 include 2004 Riparian Soil, Transect Sampling of Soil and Vegetation, Monthly vegetation Sampling, Sediment, and Fish and Aquatic Invertebrate data sets, whereas, these data sets are not discussed in the text. Please include appropriate text in Section 5.1 describing these data sets, the status of evaluation of these data sets, and clarifying that development of DQO and usability screening will be deferred to the RI/FS Work Plan.

P4 Response to May 5th Specific Comment No. 2: *The following sentences have been added to Section 5.1 to list the specific data sets that are summarized in Table 3-1, "These data sets are from the sampling of (a) surface water and groundwater monitoring locations; fish, aquatic invertebrates, and sediment in ponds and streams; upland and riparian soil and vegetation transects; and soil and vegetation monitoring locations in 2004, (b) surface water and groundwater monitoring locations in 2005 through 2008; and (c) surface water and groundwater monitoring locations, and upland soil and vegetation locations in 2009. The status of individual data sets with respect to the evaluation of the data sets against relevant DQOs and final RI/FS usability determination is presented in additional detail in Section 6." The underlined sentence was added in response to the most recent comment.*

And Usability Report (DQUR) And Data Approval Request (DAR) Draft Revision 1, prepared for P4 Production by MWH, May 18, 2010
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In addition, Table 6-2 has been revised to better indicate groups of data consistent with the discussion in preceding sections.

Relevant Preceding Comments and Responses for A/T's May 5, 2010 Specific Comment No. 3

A/T Specific Comment 0-37 (Appendix E). For the 2009 vegetation data validation reports, please revise as follows:

- Identify the sample digestion/preparation method in the intro and the title(e.g. sample delivery groups L09070242, L09070242), qualify data if needed.
- Identify whether the Laboratory Control Standard (LCS) sample matrix is vegetation and whether the control limits are for vegetation (e.g. sample delivery groups L09070242, L09070242); qualify as needed.
- Under 'duplicates' and 'spikes' sections, the criteria shown are those for soil and water rather than vegetation (e.g. sample delivery groups L09070242, L09070242). Identify, which criteria were used for evaluation of the vegetation data. Please explain in the reports.
- Under "sample results verification," identify that the MDLs are based on bead study rather than actual matrix. Identify a qualifier/flag as was done for the pre-2009 data for similar issues (e.g. sample delivery groups L09070242, L09070242).

P4 Response: *LDC data validation report numbers 21293, 21412, and 21664 will be revised as follows:*

- *"Parameters" on title page will be changed, for example for 6010B, from "Metals by ICP SW-846 Method 6010B" to "Metals by ICP SW-846 Method 6010B and Microbac SOP VEG-1"*
- *The "Introduction" will be changed, for example for 6010B, as follows:*

  The analysis was performed as noted below:

  - *SW-846 Method 6010B ICP: Antimony, boron, manganese, molybdenum, and zinc.*
  - *Samples prepared per Micorbac's SOP VEG-1; samples were air dried and ground to pass through a 4 mm sieve prior to digestion.*

  This review follows the specified guidance in the project QAPP (Attachment 2 of the Supplemental Mine Waste Rock Dump and Facility Soil and Vegetation Characterization, Sampling and Analysis Plan, Final Revision 3; MWH 2009) using the intent of the USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review (October 2004) as applicable to the method stated above.

And Usability Report (DQUR) And Data Approval Request (DAR) Draft Revision 1, prepared for P4 Production by MWH, May 18, 2010
(Page 8 of 10)

- *"Section V. Laboratory Control Sample (LCS)" will be revised as follows, "Laboratory control samples were performed on a blank matrix as specified in the laboratory's SOP; Teflon® beads were used for the blank matrix. Spike amounts were reviewed and concentrations are noted to be at or near the mid-point of the calibration. Percent recoveries (%R) were within the 80-120% control limits as specified in the QAPP for solid matrices."*

- *"Section VI. Duplicate Sample Analysis" will be revised as follows, "Field replicates were collected as triplicate samples. The results of triplicate samples were not evaluated by the data validator. MWH will present the results and evaluation of triplicate samples in its report."*

- *"Section VII. Spike Sample Analysis" will be revised as follows, "Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed. Spike amounts were reviewed and concentrations are noted to be at or near the mid-point calibration. Percent recoveries (%R) were within 75-125% and relative percent differences (RPD) were within 35% limits as specified in the QAPP for solid matrices."*

- *"Section X(a). Sample Result Verification" will be revised for LDC report no. 21293 as follows:*

  All sample result verifications were acceptable. A method detection limit (MDL) study was specified in the laboratory's SOP for validation of this method for vegetation samples. However, the MDL study could not be completed for vegetation matrix because the media contained target analytes at levels significantly greater than the sensitivity of the instrument, so the MDLs reported for the vegetation data are based on the laboratory's previously-generated MDLs established using Teflon® beads. Because the MDL study could not be completed, the A/T request analysis of a low-level LCS with each preparation batch of vegetation samples. However, the samples for this laboratory SDG were already prepared and analyzed, so the low-level LCS request could not be accommodated.

- *"Section X(a). Sample Result Verification" will be revised for LDC report nos. 21412 and 21664 as follows:*

  All sample result verifications were acceptable. A method detection limit (MDL) study was specified in the laboratory's SOP for validation of this method for vegetation samples. However, the MDL study could not be completed for vegetation matrix because the media contained target analytes at levels significantly greater than the sensitivity of the instrument, so the MDLs reported for the vegetation data are based on the laboratory's previously-generated MDLs established using Teflon® beads. Because the MDL study could not be completed, the A/T request analysis of a low-level LCS with each preparation batch of vegetation samples. The low-level LCS was spike at approximately two times the MDL. Sample results were not qualified based on the results of the low-level LCS.

A/T Response. *The responses to the comments are thorough and provide for the addition of comprehensive information into the validation report as requested by the original A/T comment. In addition to the information to be added in the data validation reports, the following are also needed in order to relay this information to the data users/decision makers:*

And Usability Report (DQUR) And Data Approval Request (DAR) Draft Revision 1, prepared for P4 Production by MWH, May 18, 2010
(Page 9 of 10)

- *Low control standard results as well as MS/MSD results should also be tabulated and provided to data users along with field replicate results.*
- *A qualifier for all non-detect results should be entered into the data base to inform the data user that the detection limits are derived from a bead study rather than a vegetation matrix.*

New P4 Response: *A summary of the results of the low-level laboratory control standards, MS/MSD samples, and triplicate samples will be provided in the Soil and Vegetation Technical Memorandum (as provided in the RI/FS Work Plan). A "V" flag will be added to all non-detected vegetation results. The "V" flag will be defined as, "The method detection limit (MDL) is derived using a Teflon®-bead MDL study rather than vegetation-based MDL study, because the surrogate vegetation used to validate the method contained significant concentrations of target analytes."*

A/T May 5th Specific Comment No. 3, Appendix E. There are some inconsistencies between P4's March 12, 2010 proposed changes to LDC Reports Nos. 21293, 21412, and 21664 and the revisions appearing in Appendix E of the referenced document. Please complete the revisions as previously proposed or provide sufficient explanation as to why the revisions are not applicable. Examples include:

- LDC Report No. 21293
  - Reference to "*Microbac SOP VEG-1"* was not included under "parameters" or in the "Introduction" as previously proposed.
  - Revisions to Sections V, VI, and X(a) were not included in this report as proposed.
- LDC Report No. 21412 and 21664
  - The proposed revision to Section V included the statement "*Teflon® beads were used for the blank matrix."* Instead, both of these revised reports now state *"the blank matrix was laboratory-clean sand*." Please confirm the actual media used for the laboratory control samples.

P4 Response to May 5th Specific Comment No. 3: *Please note that LDC Report No. 21293 contains individual validation reports for individual laboratory data packages. The proposed revisions were applicable only to data validation reports associated with laboratory data packages containing results for vegetation samples, but not to data validation reports associated with laboratory data packages containing results for soil samples. So the two referenced issues for LDC Report No. 21293 (i.e., the reference to "Microbac's SOP VEG-1" and the revisions to Sections V,VI, and X[a]) were not applicable to the data validation reports associated with laboratory reports containing results for soil samples.*

With one exception, all proposed revisions were accurately incorporated into the revised data validation reports associated with laboratory data packages containing results for vegetation samples. This exception is that which was noted by the A/T, specifically, the phrase, "Teflon® beads were used for the blank matrix," was not incorporated

Response to
Agencies and Tribes Comments on P4's Draft Response to Comments on Data Quality And Usability Report (DQUR) And Data Approval Request (DAR) Draft Revision 1, prepared for P4 Production by MWH, May 18, 2010
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into the revised LDC Report Nos. 21293, 21412, and 21664. Teflon® beads were used for the blank matrix, but this correction was inadvertently not forwarded to LDC to incorporate. LDC has revised these reports for this correction.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 10
IDAHO OPERATIONS OFFICE
1435 N. Orchard St.
Boise, Idaho 83706

May 5, 2010

Barry Koch
Special Projects Lead – Mining
Monsanto Company
P.O. Box 816
Soda Springs, Idaho 83276

Re: Comments on *Data Quality and Usability Report (DQUR) And Data Approval Request (DAR) Draft Revision 1*, prepared for P4 Production by MWH, April 14, 2010 and Response to Comments #2.

Dear Mr. Koch,

The Agencies and Tribes (A/T) have reviewed the above referenced deliverable submitted by P4. This work product was developed pursuant to the 2009 RI/FS Settlement Agreement. Our remaining comments are enclosed. We will be available to discuss these comments during our next conference call. We are prepared to approve the document once these remaining comments are resolved and incorporated into a final draft.

If you have any questions, please contact me. I can be reached at 208-378-5763 or electronically at tomten.dave@epa.gov.

Sincerely,

Dave Tomten
Remedial Project Manager

Enclosure

cc: Cary Faulk, MWH
Mike Rowe, IDEQ
Mary Kaufman, FS
Jim Alexander, USDA
Forest Service - Enoch Valley Site Record
Jeff Cundick, BLM

Sandi Arena, US FWS
Kelly Wright, Shoshone Bannock Tribes
Eldine Stevens, BIA
Susan Hanson (for the tribes)
Tim Mosko, CH2MHill
EPA Site File (electronic version only)

Enclosure

A/T Comments on *Data Quality and Usability Report (DQUR) And Data Approval Request (DAR) Draft Revision 1*, prepared for P4 Production by MWH, April 14, 2010 and Response to comments #2.

General Comments

The referenced document is P4's assessment of the quality and usability of existing data that P4 considers necessary to support RI/FS process. This document was prepared pursuant to the statement of work (SOW) for the Remedial Investigation and Feasibility Studies (RI/FS) at the Enoch Valley, Henry, and Ballard Phosphate Mine Sites in southeastern Idaho. The referenced document represents a revision to a previous document dated January 14, 2010. P4's revisions were prepared in response to written comments provided by the Agency/Tribes (A/T) on February 17, 2010 and March 25, 2010 and verbal comments provided during routine conference calls between the A/T and P4.

The A/T has reviewed the referenced document for consistency with previous comments. The revised document appears to be consistent with the A/T comments with the exception of the items listed below in Specific Comments. We are prepared to approve the document once these remaining comments are resolved and incorporated into a final draft.

In addition, we found tracking of comments and responses through this iterative process to be confusing. We suggest discussing protocols (such as numbering of comments) to create consistency and improve this process in the future.

Specific Comments

Page 2, New P4 Response (#2): P4's response acknowledging the comment is insufficient. The response states "acknowledged" rather than clearly stating how the text was revised as required by the Agencies. In reviewing Section 1.1Purpose of the redline/strikeout version of the revised report, it appears the comment was partially addressed. In the final draft version of the DQUR, please include the more explicit language recommended that pertains to final approval of data. The revised language in the DAR however is acceptable.

Section 5.0. Section 5.0 discusses existing datasets to be used in the RI/FS process. In support of the text in Section 5.0, Tables 6-2 and 6-3 were added to the referenced document to provide additional details on status of the individual data sets, including disposition of related DQOs, and additional support information related to usability screening.

However, Tables 6-2 and 6-3 each include information on 2004 data sets that are not mentioned in Section 5.0 of the referenced document. Specifically, Tables 6-2 and 6-3 include 2004 Riparian Soil, Transect Sampling of Soil and Vegetation, Monthly vegetation Sampling, Sediment, and Fish and Aquatic Invertebrate data sets, whereas,

these data sets are not discussed in the text. Please include appropriate text in Section 5.1 describing these data sets, the status of evaluation of these data sets, and clarifying that development of DQO and usability screening will be deferred to the RI/FS Work Plan.

Appendix E. There are some inconsistencies between P4's March 12, 2010 proposed changes to LDC Reports Nos. 21293, 21412, and 21664 and the revisions appearing in Appendix E of the referenced document. Please complete the revisions as previously proposed or provide sufficient explanation as to why the revisions are not applicable. Examples include:

- LDC Report No. 21293
  - Reference to "*Microbac SOP VEG-1"* was not included under "parameters" or in the "Introduction" as previously proposed.
  - Revisions to Sections V, VI, and X(a) were not included in this report as proposed.
- LDC Report No. 21412 and 21664
  - The proposed revision to Section V included the statement "*Teflon® beads were used for the blank matrix."* Instead, both of these revised reports now state "*the blank matrix was laboratory-clean sand*." Please confirm the actual media used for the laboratory control samples.

Celeste Christensen

From: Celeste Christensen
Sent: Wednesday, April 14, 2010 3:38 PM
To: tomten.dave@epa.gov
Cc: tmosko@ch2m.com; michael.rowe@deq.idaho.gov; mkauffman@fs.fed.us; james.alexander@usda.gov; Jeffrey_Cundick@blm.gov; kwright@shoshonebannocktribes.com; sandi_arena@fws.gov; eldine.stevens@bia.gov; susanh@ida.net; barry.s.koch@monsanto.com; dave.w.farnsworth@monsanto.com; randy.j.white@monsanto.com; cary.foulk@mwhglobal.com; Vance Drain; wallace.joe@epa.gov; edmond.lorraine@epa.gov; douglas.tanner@deq.idaho.gov; Marcy.Pearhill@deq.idaho.gov; bruce.olenick@deq.idaho.gov; gerry.winter@deq.idaho.gov; jjones13@fs.fed.us; jason_sturm@blm.gov; william_volk@blm.gov; aruberry@idl.idaho.gov; james.r.mcculloch@monsanto.com; michael.j.vice@monsanto.com; donald.r.wind@monsanto.com; paul.b.stenhouse@monsanto.com; robert.l.geddes@monsanto.com; ralston@moscow.com; Ruth Siegmund; Leah Wolf-Martin; 1007903@portal.mwhglobal.com; Celeste Christensen
Subject: DQUR-DAR Draft Rev 1
Attachments: DQUR-DAR(Draft-Rev1).docx; Response_to_Response_Comments(for_Rev1_DQUR).pdf

Dear Dave,

On behalf of P4 Production LLC (P4) please find attached the revised DQUR/DAR text. This text has been revised in response to comments provided by the Agencies and Tribes (A/T) on February 17, 2010. Subsequently, P4 submitted a draft set of responses to the A/T comments. On March 25, 2010, A/T provided a letter commenting on the draft responses. P4 has prepared a response to the March 25, 2010 letter, which is also attached to this e-mail. Both revisions requested in the original and subsequent comment letters have been incorporated into the DQUR/DAR text. The text has been revised in redline/strikeout to help facilitate the A/T review of the revised document. The exception is two new tables which have been added to the text (Tables 6-2 and 6-3).

In addition to the revised text attached to this e-mail, revised appendices have been posted on the FTP site. The revised Appendix D contains the revised 1999-2000 Cattle Study Data Technical Memorandum and its associated Attachment A; these documents were updated with additional documentation provided by UIASL subsequent to the submission of the Draft Revision 0 document. The revised Appendix E contains: (a) revised data validation reports (LDC Report Numbers 21293, 21412, and 21664); and (b) an Excel file containing the 2004-2009 electronic data with the additional qualifier for non-detected results for 2009 vegetation samples as requested by the A/T.

If the charges are approved by the A/T, P4 will produce a complex DQUR/DAR document containing all text and appendices for final approval by the A/T.

Below are the instructions to download the Appendices from the ftp site – please let me know if you have any difficulties or contact our help desk as mentioned on the home page of the ftp site.

Download Instructions:
1. Open Internet Explorer, Windows Explorer or equivalent browser and replace the entire address line with: http://ftp.mwhglobal.com/enter.html
2. Click the link "MWH Global FTP Site" as instructed and you should be prompted for the user name and password.
3. Please use: **P4Production** for both the username and the password
4. The folder that contains the Appendices is named: **DQUR and DAR Draft Rev 1**.
5. Downloading can be done by the "drag and drop" method from the ftp site to the folder you designate on your computer.
6. Please let me know if you have any difficulties downloading the files.

Electronic copies are distributed according to the list below:

Dave Tomten, USEPA
Tim Mosko, CH2M Hill
Michael Rowe, IDEQ
Mary Kauffman, USDA-FS
James Alexander, USDA
Bill Volk, BLM
Jeff Cundick, BLM
Kelly Wright, Shoshone-Bannock Tribes
Sandi Arena, USFWS
Eldine Stevens, BIA
Susan Hanson
Barry Koch, Monsanto
Dave Farnsworth, Monsanto
Randy White, Monsanto (CD)
Cary Foulk, MWH
Ruth Siegmund, MWH
Leah Wolf-Martin, MWH
Celeste Christensen, MWH

Joe Wallace, USEPA
Lorraine Edmond, USEPA
Doug Tanner, IDEQ
Marcy Pearhill, IDEQ
Bruce Olenick, IDEQ
Gerry Winter, IDEQ
Jeff Jones, USDA-FS
Jason Sturm, BLM
Al Ruberry, IDL
Jim McCulloch, Monsanto
Mike Vice, Monsanto
Don Wind, Monsanto
Paul Stenhouse, Monsanto
Bob Geddes, Monsanto
Dale Ralston, RHS
Vance Drain, MWH
1007903@portal.mwhglobal.com

If you have any questions, please do not hesitate to contain Barry Koch at P4.

Regards,
Celeste J Christensen

Celeste J Christensen, *Project Coordinator*
2353 130th Avenue N.E., Suite 200
Bellevue, WA 98005
Phone: (425) 896-6969
Fax: (425) 602-4020
Email: Celeste.J.Christensen@us.mwhglobal.com

And Usability Report (DQUR) And Data Approval Request (DAR) Draft Revision 0, prepared for P4 Production by MWH, March 12, 2010 (Page 1 of 7)

On January 14, 2010 P4 submitted the *Data Quality and Usability Report (DQUR) and Data Approval Request (DAR), Draft Revision 0,* to the Agencies and Tribes (A/T) for review and comment. On February 17, 2010 the A/T provided comments, and on a March 1, 2010 conference call the A/T answered comments P4 had on the comments. In order to help shorten the comment/comment response process, P4 then submitted a set of draft comment responses to the A/T for their approval on March 12, 2010. Subsequently, the A/T provided comments on P4's draft response. This document responds to these comments and indicates what additional revision to the original DQUR/DAR will be made. The full comment and response chain is presented here. Each original A/T comment and P4 response is listed followed by the additional A/T comment and P4 response and, as applicable, an indication of how the text in the DQUR/DAR will be revised.

A/T COMMENTS AND P4'S RESPONSES

Context

In January 2010, P4 submitted the document *Data Quality And Usability Report (DQUR) And Data Approval Request (DAR) Draft Revision 0*, dated January 14, 2010, in accordance with the requirements of the 2009 CO/AOC and Statement of Work (SOW) for RI/FS at the Enoch Valley, Henry, and Ballard Mines. The DQUR documents P4's assessment of the quality and usability of existing data to support intended uses. The DAR is a formal request for A/T approval for use of data as described in the DQUR. On February 17, 2010, the A/T provided P4 with comments on the DQUR and DAR. On March 12, 2010, P4 submitted the referenced response to comment (RTC) document.

The A/T have reviewed the RTC. The responses provided by P4 adequately addressed A/T comments, except for the five items described below. P4 must revise the DQUR/DAR document to address and incorporate the following A/T comments. Note that in the remaining General and Specific Comments below, the A/T's original comments are provided in non-italicized text, whereas, P4's March 12, 2010 responses and the A/T's follow-up responses are provided in italics.

New P4 Response: *The original A/T comments were also discussed on a March 1 conference call as noted in the introduction to this response to comments. The plan to submit a draft response to comments was agreed to on the call, and the comment response was prepared subsequently.*

General Comments

As previously noted in the A/T's February 17, 2010 comments, the specific intended use of some of the data submitted in the DQUR and DAR still need to be identified, and these same datasets will need to be evaluated against current RI/FS project's Data Quality Objectives (DQOs) and Data Quality Indicators (DQIs). As also previously noted, the A/T agree that these data sets are of known quality and are generally appropriate for use in the RI/FS, however a blanket acceptance of use for all purposes is not warranted because some of these data sets will only serve to support other lines of evidence and to ground-truth modeling from data of higher certainty. In the referenced RTC

And Usability Report (DQUR) And Data Approval Request (DAR) Draft Revision 0, prepared for P4 Production by MWH, March 12, 2010

document, P4 acknowledges this limitation and will revise the DQUR and the DAR, accordingly, as stated by P4 in the referenced RTC document:

> "However, the use of such data is still subjected to project-specific data usability evaluations during the RI/FS Work Plan development process based on Data Quality Objectives (DQOs), risk assessment planning and possibly other planning steps."

It is the A/T's understanding that P4 intends to revise the DQUR and DAR to explicitly state that A/T approval of the DQUR will represent a preliminary approval of the data for intended uses; that is, final approval will be based on A/T approval of the RI/FS Work Plan DQOs and DQIs and other applicable planning steps. Therefore, it appears that the *process* for assessing the data usability for these datasets as described in Task 1.c. of the SOW will be adequately and appropriately addressed in the DQUR and DAR document once the A/T's February 17, 2010 comments are incorporated as agreed to by P4 in the referenced RTC document. See also language in SOW (page 4 and 5) explicitly recognizing that: (1) evaluation of quality and usability of data will be refined as intended uses are more specifically defined, and (2) final approval of the data for these intended uses will be part of the final approval of the RI/FS Work Plan.

New P4 Response: *Acknowledged. Because of the interactive processes that occur during the work plan development process, it is not realistic to be able to present the final data uses very far in advance of the work plan submission and A/T approval.*

A/T General Comment 0-A: Pursuant to Task 1.c. of the SOW, P4 has submitted a report (DQUR) documenting the results of an evaluation of the quality and usability of existing data, which is subject to EPA approval. The A/T makes the following general comments on the use of pre-2009 CO/AOC data as presented in the DQUR:

- The DQUR appears to be well written and presented in a logical, understandable format.
- A significant amount of data have been collected and it is desirable to maximize use of existing data in the RI/FS;
- The DQUR appears to adequately document the quality of the selected pre- 2003 CO/AOC data (elk, cattle, and bird egg tissue) consistent with EPA guidance and direction ("the roadmap"), other than as specified in these A/T comments.
- The DQUR summarizes and documents data collected pursuant to the 2003 CO/AOC. All of these data sets have been validated. Some of these data sets have updated DQOs (groundwater, surface water, soil, vegetation), while others do not (e.g., benthic data, sediment data, fish tissue data).
- The selected data in the DQUR are all potentially relevant to the P4 Mines, have been validated, and are of known quality. Thus, these data sets may be used in the RI/FS consistent with any limitations identified in data validation and usability assessments.

And Usability Report (DQUR) And Data Approval Request (DAR) Draft Revision 0, prepared for P4 Production by MWH, March 12, 2010
(Page 3 of 7)

- For some data sets, specific intended uses have not been defined at this point. As specific intended uses are established or refined in DQOs in the final RI/FS work plan, further evaluation of quality and usability will be needed to ensure that data of appropriate type and quality are used to support intended uses.

Consistent with Task 1.c. of the SOW, the DQUR provides an acceptable assessment of the quality and usability of the elk, cattle, and bird egg datasets. This assessment was generally consistent with EPA guidance and direction provided in the "roadmap," and included defining intended uses of these datasets, establishing data quality specifications, evaluating data relative to data quality specifications, and documentation of findings.

The DQUR also summarized and assessed of the quality of the validated 2004 -2009 data, excluding issues identified in the "Specific Comments" section below. For the 2009 soil, vegetation, surface water, and groundwater datasets, these data were collected based on approved media-specific DQOs, thus it is assumed that these data are adequately documented and further usability assessment of the 2009 datasets is unnecessary at this time.

For the remaining 2004 – 2008 datasets, on the other hand, these data were collected pursuant to previously approved planning documents and have been validated, thus are of known quality. The DQUR does not, however, include an evaluation of usability of this data relative to current DQOs and data quality specifications. The DQUR notes that the validated 2004-2008 data sets are likely to be usable for the general purposes of scoping and characterization, risk assessment, and feasibility study, but specific intended uses have not been established.

Consistent with the SOW and EPA guidance, P4 must document the usability of validated 2004-2008 data sets to support specific intended uses. To document the usability of the validated 2004 - 2008 data for the RI/FS work plan, P4 will need to complete an assessment of each validated 2004-2008 media dataset relative to applicable DQOs and data quality specifications such as representativeness, comparability to screening levels, and precision, etc.. To complete a usability assessment for the 2004-2008 data P4 should complete the following tasks:

- For the 2004-2008 soil, vegetation, surface water, and groundwater data, the datasets should be compared to the current approved DQOs and data quality specifications per the 2009 work plans for these media.

P4 Response: *A statement will be added to the DQUR indicating how the soil, vegetation, surface water and groundwater compare to the current DQOs for those media. However, these DQOs may be slightly modified during the Work Plan development. While it is possible that the DQOs developed for the new RI tasks may change somewhat from the DQOs previously used to collect Site data, we believe this will not affect 2004 – 2008 data usability in future RI evaluations in any way.* ***[Note to A/T this should be discussed because there are some contradictory messages in the comments.]***

And Usability Report (DQUR) And Data Approval Request (DAR) Draft Revision 0, prepared for P4 Production by MWH, March 12, 2010
(Page 4 of 7)

A/T Response*: The P4 response to the latter bullet is insufficient. It will require more than a single statement to document how the 2004-2008 soil, vegetation, surface water and groundwater data are evaluated against the existing Data Quality Objectives and Data Quality Indicators. A matrix table is recommended.*
Additionally, the A/T is available to discuss and provide clarification on all comments. If P4 believes are there contradictory messages that require clarification, please advise.

New P4 Response*: An expanded table will be added to the Section 6 summary. The table will more explicitly address the A/T concern with DQOs and DQIs. Through discussions with the A/T any questions regarding the original comment letter and contradictory messages have been resolved.*

- For the other 2004-2008 datasets (fish, benthic macroinverts, sediment, riparian soil, and riparian vegetation), the usability of the data must be assessed relative to updated and approved DQOs and associated data quality specifications. As Task 1.c. of the SOW expressly states,

  "The report will provide an assessment of quality and usability of existing data to support specific intended uses consistent with EPA guidance. This report will document findings, and potential limitations or caveats on the data and make recommendations on actions needed (e.g., confirmation sampling, relaxation of acceptance criteria) for data to support intended uses."

P4 Response: *Noted - DQOs will be presented in the RI/FS Work Plan and these DQOs will ultimately be used for final determination of usability of the 2004-2008 data. However, as expressed above, even though modified DQOs may developed for the new RI tasks, we believe this will not affect 2004 – 2008 data usability for evaluations during the RI in anyway. In addition, it should be noted that the quality and usability may be sufficient for the RI/FS even though possibly inadequate DQOs were used in the data collection planning process.*

A/T Response*: 0-A, Response to 2nd bullet on page 3: P4's response "(Noted)" is insufficient. The text in the DQUR needs to be revised to include a statement that the usability of the 2004-2008 datasets (fish, benthic macroinvertebrates, sediment, riparian soil, and riparian vegetation) will be assessed relative to updated and approved DQOS and their associated DQIs.*

New P4 Response: *The table added to Section 6 and associated new text address this comment. Specifically, the table identifies were data groups have been reviewed against current DQOs and which groups need to be reviewed against DQOs and DQIs in the pending work plan.*

This evaluation of the 2004-2008 datasets may be included in the Data Usability Assessment Report prior to acceptance by the Agencies or may be deferred to the RI/FS work plan if deemed necessary to keep the project on track and on schedule. Technically, final approval of the use of the data is applicable to when the specific uses of the data have been identified in the DQOs within the RI/FS work plan. This would be consistent with the last three sentences in Task 1.c. of the SOW that reads:

And Usability Report (DQUR) And Data Approval Request (DAR) Draft Revision 0, prepared for P4 Production by MWH, March 12, 2010
(Page 5 of 7)

"Because this deliverable [DQUR] will precede submittal of an RI/FS Work Plan, there are some data sets (e.g., biotic data sets) for which intended uses (e.g., refinement of risk) are generally known but have not been specifically defined. For such data sets, quality and usability will be further evaluated as uses are refined to ensure that data of appropriate type and quality are used to support intended uses. Final approval of the data for these intended uses will be part of the final approval of the RI/FS Work Plan. This essentially states that all datasets used in the RI/FS process are subject to final approval of the RI/FS work plan.

In summary, the A/T agrees that the selected data in the DQUR are relevant to the P4 Mines and are of known quality, thus may be used in the RI/FS consistent with any limitations identified in approved data validation assessments, usability assessments, and DQOs in the final RI/FS work plan. Final DQOs for the RI/FS are still to be established and may be further refined as the investigation moves forward. As a result, it must be recognized by all parties that DQOs may evolve as the project progresses.

P4 Response: *Comment noted.*

A/T Response: 0-A, *Response to 1st incomplete comment on page 4: P4's response (Noted) is insufficient. The Agency comment states that the evaluation of the 2004-2008 datasets may be included in a revised DQUR or may be deferred to the RI/FS Work Plan. P4 needs to decide whether they will revise the DQUR accordingly or defer to the RI/FS Work Plan. In either case, that decision needs to be documented in the DQUR.*

New P4 Response: *See previous comment responses regarding inclusion of a table in the summary. This table will expressly identify which data gaps are to be reviewed against DQOs contained in the pending work plan.*

Specific Comments

A/T Specific Comment 0-37 (Appendix E). For the 2009 vegetation data validation reports, please revise as follows:

- Identify the sample digestion/preparation method in the intro and the title(e.g. sample delivery groups L09070242, L09070242), qualify data if needed.

- Identify whether the Laboratory Control Standard (LCS) sample matrix is vegetation and whether the control limits are for vegetation (e.g. sample delivery groups L09070242, L09070242); qualify as needed.

- Under 'duplicates' and 'spikes' sections, the criteria shown are those for soil and water rather than vegetation (e.g. sample delivery groups L09070242, L09070242). Identify, which criteria were used for evaluation of the vegetation data. Please explain in the reports.

And Usability Report (DQUR) And Data Approval Request (DAR) Draft Revision 0, prepared for P4 Production by MWH, March 12, 2010
(Page 6 of 7)

- Under "sample results verification," identify that the MDLs are based on bead study rather than actual matrix. Identify a qualifier/flag as was done for the pre-2009 data for similar issues (e.g. sample delivery groups L09070242, L09070242).

P4 Response: *LDC data validation report numbers 21293, 21412, and 21664 will be revised as follows:*

- *"Parameters" on title page will be changed, for example for 6010B, from "Metals by ICP SW-846 Method 6010B" to "Metals by ICP SW-846 Method 6010B and Microbac SOP VEG-1"*

- *The "Introduction" will be changed, for example for 6010B, as follows:*

  The analysis was performed as noted below:

  - *SW-846 Method 6010B ICP: Antimony, boron, manganese, molybdenum, and zinc.*
  - *Samples prepared per Micorbac's SOP VEG-1; samples were air dried and ground to pass through a 4 mm sieve prior to digestion.*

  This review follows the specified guidance in the project QAPP (Attachment 2 of the Supplemental Mine Waste Rock Dump and Facility Soil and Vegetation Characterization, Sampling and Analysis Plan, Final Revision 3; MWH 2009) using the intent of the USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review (October 2004) as applicable to the method stated above.

- *"Section V. Laboratory Control Sample (LCS)" will be revised as follows, "Laboratory control samples were performed on a blank matrix as specified in the laboratory's SOP; Teflon® beads were used for the blank matrix. Spike amounts were reviewed and concentrations are noted to be at or near the mid-point of the calibration. Percent recoveries (%R) were within the 80-120% control limits as specified in the QAPP for solid matrices."*

- *"Section VI. Duplicate Sample Analysis" will be revised as follows, "Field replicates were collected as triplicate samples. The results of triplicate samples were not evaluated by the data validator. MWH will present the results and evaluation of triplicate samples in its report."*

- *"Section VII. Spike Sample Analysis" will be revised as follows, "Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed. Spike amounts were reviewed and concentrations are noted to be at or near the mid-point calibration. Percent recoveries (%R) were within 75-125% and relative percent differences (RPD) were within 35% limits as specified in the QAPP for solid matrices."*

- *"Section X(a). Sample Result Verification" will be revised for LDC report no. 21293 as follows:*

  All sample result verifications were acceptable. A method detection limit (MDL) study was specified in the laboratory's SOP for validation of this method for vegetation samples. However, the MDL study could not be completed for vegetation matrix because the media contained target analytes at levels significantly greater than

Response to
Agencies and Tribes Comments on P4's Draft Response to Comments on Data Quality And Usability Report (DQUR) And Data Approval Request (DAR) Draft Revision 0, prepared for P4 Production by MWH, March 12, 2010

the sensitivity of the instrument, so the MDLs reported for the vegetation data are based on the laboratory's previously-generated MDLs established using Teflon® beads. Because the MDL study could not be completed, the A/T request analysis of a low-level LCS with each preparation batch of vegetation samples. However, the samples for this laboratory SDG were already prepared and analyzed, so the low-level LCS request could not be accommodated.

- *"Section X(a). Sample Result Verification" will be revised for LDC report nos. 21412 and 21664 as follows:*

  All sample result verifications were acceptable. A method detection limit (MDL) study was specified in the laboratory's SOP for validation of this method for vegetation samples. However, the MDL study could not be completed for vegetation matrix because the media contained target analytes at levels significantly greater than the sensitivity of the instrument, so the MDLs reported for the vegetation data are based on the laboratory's previously-generated MDLs established using Teflon® beads. Because the MDL study could not be completed, the A/T request analysis of a low-level LCS with each preparation batch of vegetation samples. The low-level LCS was spike at approximately two times the MDL. Sample results were not qualified based on the results of the low-level LCS.

A/T Response. *The responses to the comments are thorough and provide for the addition of comprehensive information into the validation report as requested by the original A/T comment. In addition to the information to be added in the data validation reports, the following are also needed in order to relay this information to the data users/decision makers:*

- *Low control standard results as well as MS/MSD results should also be tabulated and provided to data users along with field replicate results.*
- *A qualifier for all non-detect results should be entered into the data base to inform the data user that the detection limits are derived from a bead study rather than a vegetation matrix.*

New P4 Response: *A summary of the results of the low-level laboratory control standards, MS/MSD samples, and triplicate samples will be provided in the Soil and Vegetation Technical Memorandum (as provided in the RI/FS Work Plan). A "V" flag will be added to all non-detected vegetation results. The "V" flag will be defined as, "The method detection limit (MDL) is derived using a Teflon®-bead MDL study rather than vegetation-based MDL study, because the surrogate vegetation used to validated the method contained significant concentrations of target analytes."*

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 10
IDAHO OPERATIONS OFFICE
1435 N. Orchard St.
Boise, Idaho 83706

March 25, 2010

Barry Koch
Special Projects Lead – Mining
Monsanto Company
P.O. Box 816
Soda Springs, Idaho 83276

Re: A/T Response to P4's *Draft Response to Comments* on *Data Quality And Usability Report (DQUR) And Data Approval Request (DAR) Draft Revision 0*, prepared for P4 Production by MWH, March 12, 2010.

Dear Mr. Koch,

The Agencies and Tribes (A/T) have reviewed the above referenced deliverable submitted by P4. This work product was developed pursuant to the 2009 RI/FS Settlement Agreement. Our comments are enclosed. We will be available to discuss these comments during our next conference call.

If you have any questions, please contact me. I can be reached at 208-378-5763 or electronically at tomten.dave@epa.gov.

Sincerely,

Dave Tomten
Remedial Project Manager

Enclosure

cc: Cary Faulk, MWH
Mike Rowe, IDEQ
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Forest Service - Enoch Valley Site Record
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Enclosure

A/T Response to P4's *Draft Response to Comments* on *Data Quality And Usability Report (DQUR) And Data Approval Request (DAR) Draft Revision 0*, prepared for P4 Production by MWH, March 12, 2010.

Context

In January 2010, P4 submitted the document *Data Quality And Usability Report (DQUR) And Data Approval Request (DAR) Draft Revision 0*, dated January 14, 2010, in accordance with the requirements of the 2009 CO/AOC and Statement of Work (SOW) for RI/FS at the Enoch Valley, Henry, and Ballard Mines. The DQUR documents P4's assessment of the quality and usability of existing data to support intended uses. The DAR is a formal request for A/T approval for use of data as described in the DQUR. On February 17, 2010, the A/T provided P4 with comments on the DQUR and DAR. On March 12, 2010, P4 submitted the referenced response to comment (RTC) document.

The A/T have reviewed the RTC. The responses provided by P4 adequately addressed A/T comments, except for the five items described below. P4 must revise the DQUR/DAR document to address and incorporate the following A/T comments. Note that in the remaining General and Specific Comments below, the A/T's original comments are provided in non-italicized text, whereas, P4's March 12, 2010 responses and the A/T's follow-up responses are provided in italics.

General Comments

As previously noted in the A/T's February 17, 2010 comments, the specific intended use of some of the data submitted in the DQUR and DAR still need to be identified, and these same datasets will need to be evaluated against current RI/FS project's Data Quality Objectives (DQOs) and Data Quality Indicators (DQIs). As also previously noted, the A/T agree that these data sets are of known quality and are generally appropriate for use in the RI/FS, however a blanket acceptance of use for all purposes is not warranted because some of these data sets will only serve to support other lines of evidence and to ground-truth modeling from data of higher certainty. In the referenced RTC document, P4 acknowledges this limitation and will revise the DQUR and the DAR, accordingly, as stated by P4 in the referenced RTC document:

> "However, the use of such data is still subjected to project-specific data usability evaluations during the RI/FS Work Plan development process based on Data Quality Objectives (DQOs), risk assessment planning and possibly other planning steps."

It is the A/T's understanding that P4 intends to revise the DQUR and DAR to explicitly state that A/T approval of the DQUR will represent a preliminary approval of the data for intended uses; that is, final approval will be based on A/T approval of the RI/FS Work Plan DQOs and DQIs and other applicable planning steps. Therefore, it appears that the *process* for assessing the data usability for these datasets as described in Task 1.c. of the SOW will be adequately and appropriately addressed in the DQUR and DAR document once the A/T's February 17, 2010 comments are incorporated as agreed to by P4 in the referenced RTC document. See also language in SOW (page 4 and 5) explicitly recognizing that: (1) evaluation of quality and usability of data will be refined as intended uses are more specifically defined, and (2) final

approval of the data for these intended uses will be part of the final approval of the RI/FS Work Plan.

A/T General Comment 0-A: Pursuant to Task 1.c. of the SOW, P4 has submitted a report (DQUR) documenting the results of an evaluation of the quality and usability of existing data, which is subject to EPA approval. The A/T makes the following general comments on the use of pre-2009 CO/AOC data as presented in the DQUR:

- The DQUR appears to be well written and presented in a logical, understandable format.
- A significant amount of data have been collected and it is desirable to maximize use of existing data in the RI/FS;
- The DQUR appears to adequately document the quality of the selected pre- 2003 CO/AOC data (elk, cattle, and bird egg tissue) consistent with EPA guidance and direction ("the roadmap"), other than as specified in these A/T comments.
- The DQUR summarizes and documents data collected pursuant to the 2003 CO/AOC. All of these data sets have been validated. Some of these data sets have updated DQOs (groundwater, surface water, soil, vegetation), while others do not (e.g., benthic data, sediment data, fish tissue data).
- The selected data in the DQUR are all potentially relevant to the P4 Mines, have been validated, and are of known quality. Thus, these data sets may be used in the RI/FS consistent with any limitations identified in data validation and usability assessments.
- For some data sets, specific intended uses have not been defined at this point. As specific intended uses are established or refined in DQOs in the final RI/FS work plan, further evaluation of quality and usability will be needed to ensure that data of appropriate type and quality are used to support intended uses.

Consistent with Task 1.c. of the SOW, the DQUR provides an acceptable assessment of the quality and usability of the elk, cattle, and bird egg datasets. This assessment was generally consistent with EPA guidance and direction provided in the "roadmap," and included defining intended uses of these datasets, establishing data quality specifications, evaluating data relative to data quality specifications, and documentation of findings.

The DQUR also summarized and assessed of the quality of the validated 2004 -2009 data, excluding issues identified in the "Specific Comments" section below. For the 2009 soil, vegetation, surface water, and groundwater datasets, these data were collected based on approved media-specific DQOs, thus it is assumed that these data are adequately documented and further usability assessment of the 2009 datasets is unnecessary at this time.

For the remaining 2004 – 2008 datasets, on the other hand, these data were collected pursuant to previously approved planning documents and have been validated, thus are of known quality. The DQUR does not, however, include an evaluation of usability of this data relative to current DQOs and data quality specifications. The DQUR notes that the validated 2004-2008 data sets are likely to be usable for the general purposes of scoping and characterization, risk assessment, and feasibility study, but specific intended uses have not been established.

Consistent with the SOW and EPA guidance, P4 must document the usability of validated 2004-2008 data sets to support specific intended uses. To document the usability of the validated 2004 -2008 data for the RI/FS work plan, P4 will need to complete an assessment of

each validated 2004-2008 media dataset relative to applicable DQOs and data quality specifications such as representativeness, comparability to screening levels, and precision, etc.. To complete a usability assessment for the 2004-2008 data P4 should complete the following tasks:

- For the 2004-2008 soil, vegetation, surface water, and groundwater data, the datasets should be compared to the current approved DQOs and data quality specifications per the 2009 work plans for these media.

P4 Response: *A statement will be added to the DQUR indicating how the soil, vegetation, surface water and groundwater compare to the current DQOs for those media. However, these DQOs may be slightly modified during the Work Plan development. While it is possible that the DQOs developed for the new RI tasks may change somewhat from the DQOs previously used to collect Site data, we believe this will not affect 2004 – 2008 data usability in future RI evaluations in any way.* ***[Note to A/T this should be discussed because there are some contradictory messages in the comments.]***

A/T Response*: The P4 response to the latter bullet is insufficient. It will require more than a single statement to document how the 2004-2008 soil, vegetation, surface water and groundwater data are evaluated against the existing Data Quality Objectives and Data Quality Indicators. A matrix table is recommended.*

Additionally, the A/T is available to discuss and provide clarification on all comments. If P4 believes are there contradictory messages that require clarification, please advise.

- For the other 2004-2008 datasets (fish, benthic macroinverts, sediment, riparian soil, and riparian vegetation), the usability of the data must be assessed relative to updated and approved DQOs and associated data quality specifications. As Task 1.c. of the SOW expressly states,

  "The report will provide an assessment of quality and usability of existing data to support specific intended uses consistent with EPA guidance. This report will document findings, and potential limitations or caveats on the data and make recommendations on actions needed (e.g., confirmation sampling, relaxation of acceptance criteria) for data to support intended uses."

P4 Response: *Response: Noted - DQOs will be presented in the RI/FS Work Plan and these DQOs will ultimately be used for final determination of usability of the 2004-2008 data. However, as expressed above, even though modified DQOs may developed for the new RI tasks, we believe this will not affect 2004 – 2008 data usability for evaluations during the RI in anyway. In addition, it should be noted that the quality and usability may be sufficient for the RI/FS even though possibly inadequate DQOs were used in the data collection planning process.*

A/T Response*: 0-A, Response to 2nd bullet on page 3: P4's response "(Noted)" is insufficient. The text in the DQUR needs to be revised to include a statement that the usability of the 2004-2008 datasets (fish, benthic macroinvertebrates, sediment, riparian soil, and riparian vegetation) will be assessed relative to updated and approved DQOS and their associated DQIs.*

This evaluation of the 2004-2008 datasets may be included in the Data Usability Assessment Report prior to acceptance by the Agencies or may be deferred to the RI/FS work plan if deemed necessary to keep the project on track and on schedule. Technically, final approval of the use of the data is applicable to when the specific uses of the data have been identified in the DQOs within the RI/FS work plan. This would be consistent with the last three sentences in Task 1.c. of the SOW that reads:

"Because this deliverable [DQUR] will precede submittal of an RI/FS Work Plan, there are some data sets (e.g., biotic data sets) for which intended uses (e.g., refinement of risk) are generally known but have not been specifically defined. For such data sets, quality and usability will be further evaluated as uses are refined to ensure that data of appropriate type and quality are used to support intended uses. Final approval of the data for these intended uses will be part of the final approval of the RI/FS Work Plan. This essentially states that all datasets used in the RI/FS process are subject to final approval of the RI/FS work plan.

In summary, the A/T agrees that the selected data in the DQUR are relevant to the P4 Mines and are of known quality, thus may be used in the RI/FS consistent with any limitations identified in approved data validation assessments, usability assessments, and DQOs in the final RI/FS work plan. Final DQOs for the RI/FS are still to be established and may be further refined as the investigation moves forward. As a result, it must be recognized by all parties that DQOs may evolve as the project progresses.

P4 Response: *Comment noted.*

A/T Response*:* 0-A, *Response to 1st incomplete comment on page 4: P4's response (Noted) is insufficient. The Agency comment states that the evaluation of the 2004-2008 datasets may be included in a revised DQUR or may be deferred to the RI/FS Work Plan. P4 needs to decide whether they will revise the DQUR accordingly or defer to the RI/FS Work Plan. In either case, that decision needs to be documented in the DQUR.*

Specific Comments

A/T Specific Comment 0-37 (Appendix E). For the 2009 vegetation data validation reports, please revise as follows:

- Identify the sample digestion/preparation method in the intro and the title(e.g. sample delivery groups L09070242, L09070242), qualify data if needed.

- Identify whether the Laboratory Control Standard (LCS) sample matrix is vegetation and whether the control limits are for vegetation (e.g. sample delivery groups L09070242, L09070242); qualify as needed.

- Under 'duplicates' and 'spikes' sections, the criteria shown are those for soil and water rather than vegetation (e.g. sample delivery groups L09070242, L09070242). Identify, which criteria were used for evaluation of the vegetation data. Please explain in the reports.

- Under "sample results verification," identify that the MDLs are based on bead study rather than actual matrix. Identify a qualifier/flag as was done for the pre-2009 data for similar issues (e.g. sample delivery groups L09070242, L09070242).

P4 Response: *LDC data validation report numbers 21293, 21412, and 21664 will be revised as follows:*

- *"Parameters" on title page will be changed, for example for 6010B, from "Metals by ICP SW-846 Method 6010B" to "Metals by ICP SW-846 Method 6010B and Microbac SOP VEG-1"*

- *The "Introduction" will be changed, for example for 6010B, as follows:*

  The analysis was performed as noted below:

  - *SW-846 Method 6010B ICP: Antimony, boron, manganese, molybdenum, and zinc.*
  - *Samples prepared per Micorbac's SOP VEG-1; samples were air dried and ground to pass through a 4 mm sieve prior to digestion.*

  This review follows the specified guidance in the project QAPP (Attachment 2 of the Supplemental Mine Waste Rock Dump and Facility Soil and Vegetation Characterization, Sampling and Analysis Plan, Final Revision 3; MWH 2009) using the intent of the USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review (October 2004) as applicable to the method stated above.

- *"Section V. Laboratory Control Sample (LCS)" will be revised as follows, "Laboratory control samples were performed on a blank matrix as specified in the laboratory's SOP; Teflon® beads were used for the blank matrix. Spike amounts were reviewed and concentrations are noted to be at or near the mid-point of the calibration. Percent recoveries (%R) were within the 80-120% control limits as specified in the QAPP for solid matrices."*

- *"Section VI. Duplicate Sample Analysis" will be revised as follows, "Field replicates were collected as triplicate samples. The results of triplicate samples were not evaluated by the data validator. MWH will present the results and evaluation of triplicate samples in its report."*

- *"Section VII. Spike Sample Analysis" will be revised as follows, "Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed. Spike amounts were reviewed and concentrations are noted to be at or near the mid-point calibration. Percent recoveries (%R) were within 75-125% and relative percent differences (RPD) were within 35% limits as specified in the QAPP for solid matrices."*

- *"Section X(a). Sample Result Verification" will be revised for LDC report no. 21293 as follows:*

  All sample result verifications were acceptable. A method detection limit (MDL) study was specified in the laboratory's SOP for validation of this method for vegetation samples. However, the MDL study could not be completed for vegetation matrix because the media contained target analytes at levels significantly greater than the sensitivity of the instrument, so the MDLs reported for the vegetation data are based on the laboratory's previously-generated MDLs established using Teflon® beads. Because the MDL study could not be completed, the A/T request analysis of a low-level LCS with each preparation batch of vegetation samples. However, the samples for this laboratory SDG were already prepared and analyzed, so the low-level LCS request could not be accommodated.

- *"Section X(a). Sample Result Verification" will be revised for LDC report nos. 21412 and 21664 as follows:*

  All sample result verifications were acceptable. A method detection limit (MDL) study was specified in the laboratory's SOP for validation of this method for vegetation samples. However, the MDL study could not be completed for vegetation matrix because the media contained target analytes at levels significantly greater than the sensitivity of the instrument, so the MDLs reported for the vegetation data are based on the laboratory's previously-generated MDLs established using Teflon® beads. Because the MDL study could not be completed, the A/T request analysis of a low-level LCS with each preparation batch of vegetation samples. The low-level LCS was spike at approximately two times the MDL. Sample results were not qualified based on the results of the low-level LCS.

A/T Response. *The responses to the comments are thorough and provide for the addition of comprehensive information into the validation report as requested by the original A/T comment. In addition to the information to be added in the data validation reports, the following are also needed in order to relay this information to the data users/decision makers:*

- *Low control standard results as well as MS/MSD results should also be tabulated and provided to data users along with field replicate results.*
- *A qualifier for all non-detect results should be entered into the data base to inform the data user that the detection limits are derived from a bead study rather than a vegetation matrix.*

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The following is P4 Production's (P4's) responses to the comments received from the Agencies and Tribes (A/T) on February 17, 2010 for the *Data Quality and Usability Report (DQUR) and Data Approval Request (DAR) Draft Revision 0*. Each A/T comment is listed followed by P4's response and, as applicable, an indication of how the text in the document will be revised.

Introduction and Background

P4 Production, L.L.C. (P4) has submitted the referenced documents, henceforth referred to as the DQUR (*Data Quality And Usability Report)* and DAR *(Data Approval Request)*, pursuant to the statement of work (SOW) to be carried out by P4 as it implements the Remedial Investigation and Feasibility Study (RI/FS) at the Enoch Valley, Henry, and Ballard Phosphate Mine Sites in southeastern Idaho. The primary purpose of the DQUR is to provide the Agencies/Tribes (A/T) with an assessment of the quality and usability of existing data to support specific intended uses consistent with EPA guidance as specified in Task 1.c. of the SOW (Appendix 1 of 2009 CO/AOC). The process summarized in the SOW recognized that this deliverable will precede submittal of the RI/FS Work Plan, and that there are some datasets for which intended uses are generally known but have not been more specifically defined. The SOW further notes that for such datasets, quality and usability will be further evaluated as uses are refined, and that final approval of the data for these more specific intended uses will be part of the final approval of the RI/FS Work Plan. The primary purpose of the DAR is for P4 to seek approval of the various datasets for use in the RI/FS process, consistent with the discussion in the SOW.

General Comments

<u>Data Quality Usability Report (DQUR)</u>

0-A. Pursuant to Task 1.c. of the SOW, P4 has submitted a report (DQUR) documenting the results of an evaluation of the quality and usability of existing data, which is subject to EPA approval. The A/T makes the following general comments on the use of pre-2009 CO/AOC data as presented in the DQUR:

- The DQUR appears to be well written and presented in a logical, understandable format.
- A significant amount of data have been collected and it is desirable to maximize use of existing data in the RI/FS;
- The DQUR appears to adequately document the quality of the selected pre- 2003 CO/AOC data (elk, cattle, and bird egg tissue) consistent with EPA guidance and direction ("the roadmap"), other than as specified in these A/T comments.

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- The DQUR summarizes and documents data collected pursuant to the 2003 CO/AOC. All of these datasets have been validated. Some of these datasets have updated DQOs (groundwater, surface water, soil, vegetation), while others do not (e.g., benthic data, sediment data, fish tissue data).

- The datasets evaluated in the DQUR are all potentially relevant to the P4 Mines, have been validated (or validation is in process), and are of known quality. Thus, these datasets may be used in the RI/FS consistent with any limitations identified in data validation and usability assessments.

- For some datasets, only generalized intended uses have been defined at this point. As more specific intended uses are established or refined in DQOs in the final RI/FS Work Plan, further evaluation of quality and usability will be needed to ensure that data of appropriate type and quality are used to support intended uses.

Consistent with Task 1.c. of the SOW, the DQUR provides an acceptable assessment of the quality and usability of the elk, cattle, and bird egg datasets. This assessment was generally consistent with EPA guidance and direction provided in the "roadmap," and included defining intended uses of these datasets, establishing data quality specifications, evaluating data relative to data quality specifications, and documentation of findings.

The DQUR also summarized and assessed the quality of the validated 2004 -2009 data, excluding issues identified in the "Specific Comments" section below. For the 2009 soil, vegetation, surface water, and groundwater datasets, these data were collected based on approved media-specific DQOs, thus it is assumed that these data are adequately documented and further usability assessment of the 2009 datasets is unnecessary at this time.

For the remaining 2004 – 2008 datasets, these data were collected pursuant to previously approved planning documents and have been validated, thus are of known quality. It should not be assumed, however, that all of these datasets are of appropriate type and quality to support specific intended uses. The DQUR does not, however, include an evaluation of usability of these data relative to current DQOs and data quality specifications. The DQUR notes that the validated 2004-2008 datasets are likely to be usable for the general purposes of scoping and characterization, risk assessment, and feasibility study, but more specific intended uses have not been established. For example, the benthic macroinvertebrate dataset was fully validated, but detection limits may not be appropriate to support a meaningful comparison to ecological benchmarks or for use in risk assessment.

Consistent with the SOW and EPA guidance, P4 must evaluate and document the usability of validated 2004-2008 datasets to support specific intended uses. To document the usability of the validated 2004 -2008 data for the RI/FS Work Plan,

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P4 will need to complete an assessment of each validated 2004-2008 media dataset relative to applicable DQOs and data quality specifications such as representativeness, comparability to screening levels, and precision, etc. To complete a usability assessment for the 2004-2008 data P4 should complete the following tasks:

- For the 2004-2008 soil, vegetation, surface water, and groundwater data, the datasets should be evaluated relative to the current approved DQOs and data quality specifications per the 2009 work plans for these media. This is (to) ensure that these data meet current project DQOs.

Response: *A statement will be added to the DQUR indicating how the soil, vegetation, surface water and groundwater compare to the current DQOs for those media. However, these DQOs may be slightly modified during the Work Plan development. While it is possible that the DQOs developed for the new RI tasks may change somewhat from the DQOs previously used to collect Site data, we believe this will not affect 2004 – 2008 data usability in future RI evaluations in any way.* **[Note to A/T this should be discussed because there are some contradictory messages in the comments.]**

- For the other 2004-2008 datasets (fish, benthic macroinvertebrates, sediment, riparian soil, and riparian vegetation), the usability of the data must be assessed relative to updated and approved DQOs and associated data quality specifications. Note that upland soil and vegetation DQOs and data quality specifications may be modified as appropriate for evaluation of riparian soil and vegetation datasets. As Task 1.c. of the SOW expressly states,

  "The report will provide an assessment of quality and usability of existing data to support specific intended uses consistent with EPA guidance. This report will document findings, and potential limitations or caveats on the data and make recommendations on actions needed (e.g., confirmation sampling, relaxation of acceptance criteria) for data to support intended uses."

Response: *Noted - DQOs will be presented in the RI/FS Work Plan and these DQOs will ultimately be used for final determination of usability of the 2004-2008 data. However, as expressed above, even though modified DQOs may developed for the new RI tasks, we believe this will not affect 2004 – 2008 data usability for evaluations during the RI in anyway. In addition, it should be noted that the quality and usability may be sufficient for the RI/FS even though possibly inadequate DQOs were used in the data collection planning process.*

This evaluation of the 2004-2008 datasets may be included in a revised DQUR prior to acceptance by the A/T or may be deferred to the RI/FS Work Plan if deemed necessary to keep the project on track and on schedule. Technically, final approval of the use of the data is applicable to when the specific uses of the data have been identified in the DQOs within the RI/FS Work Plan. This would be consistent with the last three sentences in Task 1.c. of the SOW that reads:

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> "Because this deliverable [DQUR] will precede submittal of an RI/FS Work Plan, there are some data sets (e.g., biotic data sets) for which intended uses (e.g., refinement of risk) are generally known but have not been specifically defined. For such data sets, quality and usability will be further evaluated as uses are refined to ensure that data of appropriate type and quality are used to support intended uses. Final approval of the data for these intended uses will be part of the final approval of the RI/FS Work Plan. This essentially states that all datasets used in the RI/FS process are subject to final approval of the RI/FS Work Plan.

In summary, the A/T agree that the selected data in the DQUR are relevant to the P4 Mines and are of known quality, thus may be used in the RI/FS consistent with any limitations identified in approved data validation assessments, usability assessments, and DQOs in the final RI/FS Work Plan. Final DQOs for the RI/FS are still to be established and may be further refined as the investigation moves forward. As a result, it must be recognized by all parties that DQOs may evolve as the project progresses.

Response: *Comment noted.*

Other general comments on the DQUR are as follows:

0-B. Appendices B, C, D- 'Detailed Evaluation of UIASL Data Package Content' tabulated for biota are all consistent with the approved elk tissue data presented in Appendix B. All three appendices show that the data packages were equivalent. The elk tissue data presented in Appendix B was approved by the EPA on behalf of the A/T on January 12, 2010.

Response: *Comment noted.*

0-C. Acronyms should be defined the first time they are used (e.g., HHERA and RBCL on Page 7).

Response: *The document will be revised to define the first occurrence of each acronym.*

0-D. Both 2003 CO/AOC and 2004 CO/AOC are used in the document. As the CO/AOC was actually signed in 2003, 2003 CO/AOC would be correct. Please make corrections, accordingly.

Response: *All references to the 2004 CO / AOC will be corrected to 2003 CO/AOC.*

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Specific Comments

Part 1 - Data Quality and Usability Report (DQUR)

0-1. Section 1.1, pages 1-2, starting with last paragraph on page 1. The text appears to state that the data evaluated in the current document were expressly collected in a manner consistent with Guidance for Conducting Remedial Investigations and Feasibility Studies (RI/FS) Under CERCLA. This is incorrect. Some of the data included for evaluation in this report precedes the agreement to conduct an RI/FS by more than a decade. Additionally, text in this same section suggests that data collected from 1997-2002 for the assessment of regional environmental impacts meet the same data objectives of the site specific data collection efforts from 2003-present for the three P4 historic mine sites. This is also incorrect. Please revise this section, accordingly.

Response: *The text indicates that the data collection programs were conducted consistent with CERCLA, not that they were collect as part of a CERCLA RI/FS program. However, the validity of the statement associated with the Pre-2004 regional studies may be debatable. We, therefore, propose the following changes to the text.*

> *The data collected under the EE/CA program were expressly collected to address the environmental concerns associated with releases of selenium and other contaminants of potential concern (COPCs) and contaminants of potential ecological concern (COPECs) at the P4 ~~Southeast Idaho~~ phosphate mines, and ultimately to help characterize each such mine site in a manner consistent with the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), the National Oil and Hazardous Substances Pollution Contingency Plan (NCP; 40 Code of Federal Regulations [CFR] 300), and Guidance for Conducting Remedial Investigations and Feasibility Studies Under CERCLA. Certain portions of the regional data collected before 2004 may also be useful in this manner.*

0-2. Section 1.1, page 2, 2nd paragraph, 2nd sentence. The text states "Since the pre-2004 data collection, new, more rigorous procedures for evaluating data quality have been agreed to, and all data collected as part of the EE/CA have been subjected to these more rigorous procedures and validation." Please revise the text to clarify that the data objectives have changed from an SI/EECA in 2004 to an RI/FS in 2009. The DQOs identified in 2004 planning documents were either lacking or very general in nature. In addition, one of the differences between the two is the inclusion of a quantitative risk assessment (both human health and ecological) in the RI/FS which requires a higher level of documentation on what is known regarding the data quality used for the risk assessment.

Response: *The difference in objective between the EE/CA and RI/FS studies may only be very subtly different. All of the data collected during the EE/CA were intended to be suitable for a risk assessment.*

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The largest change was in the presentation and detail of the DQOs. Nonetheless, the text will be modified to note that the DQOs for the RI/FS may be refined.

> *…….. Since the pre-2004 data collection, new, more rigorous procedures for evaluating data quality have been agreed to, and all data collected as part of the EE/CA have been subjected to these more rigorous procedures and validation. It is proposed herein that certain pre-2004 data be validated using current procedures to help document data quality. However, other pre-2004 data are acceptable as-is for certain data uses, such as definition of nature and extent. <u>The use of these data will be subject to coherence with new or refined RI/FS DQOs, which may require more rigorous data quality assessments</u>.*

0-3. Section 1.1, page 2, 3rd paragraph, last two sentences. Please delete the last two sentences. Any cost benefit of the use of historic data is unknown at this time, especially given the scope of the work conducted at the three mine sites since approximately 2007. The unique studies that are referred to are more than a decade old and the data were collected without appropriate or adequate agency oversight for a regional investigation. Much of the data are not spatially or temporally relevant to the existing site-specific remedial investigations, so discussion of any need to redo these investigations, should the historic data not be used, is irrelevant.

Response: *The sentences will be deleted as requested. However, it should be noted that both of these points are used as examples in the USEPA's Guidance for Quality Assurance Project Plans QA/G-5 (EPA, 2002) as reasons for using existing data, and just because data were not collected under agency oversight does not necessarily mean the data is not of adequate quality or usability.*

0-4. Section 1.2, Page 4. As described, the information in Appendix E covers samples collected from 2004 to 2009. Please explain how it provides back-up documentation for data collected prior to 2004 as found in Appendices B-D or revise text accordingly.

Response: *The descriptions of the contents of Appendices E and F are incorrect (they are reversed). The document will be revised to state that Appendix E contains the EE/CA data on DVD, and Appendix F contains the back-up documentation for Appendices B through D on CD.*

0-5. Section 2.1, page 6, 2nd paragraph, last sentence. The text states "Those media that are associated with elevated concentrations of chemicals known to be related to phosphate mining based on past sampling events warrant more focus in the RI/FS than those media that are not associated with elevated chemical concentrations." Please revise this section to clarify that it would be incorrect to determine from data collected as part of the regional investigation (1997-2002 and included in the introductory section of this document) which media and which COPCs the RI/FS should be based on as those data do not reflect site specific conditions nor were some of the media appropriately screened for COPCs. Additionally, many of the

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historic data collection efforts did not include the full suite of COPCs needed in the RI/FS.

Response: *The statement really gets to the point of "scoping", that is, utilizing the existing data to focus an RI/FS to a reasonable and appropriate set of media and chemicals to investigate. Regardless of the size of the data set, know quality, and other factors, they should not be ignored when developing an RI approach. Nonetheless, the paragraph noted in the comment has been modified with the following additions.*

Relevant existing data will be used to provide an initial characterization of the Sites and to help focus the RI/FS on appropriate media, transport and exposure pathways, and COPCs/COPECs. Those media that are associated with elevated concentrations of chemicals known to be related to phosphate mining based on past sampling events may warrant more focus in the RI/FS than those media that are not associated with elevated chemical concentrations. It should be noted that these existing data are only one factor in determining the scope of the RI/FS.

0-6. Section 2.2, Page 8, 1st full paragraph, last sentence. The stated use of historic biota data for use in refined HHERA risk calculations appears to be contradictory to what was proposed in person at the P4/Agency risk assessment meeting on November 4, 2009. The A/T believe that the uncertainties surrounding the tissue data are likely to preclude its use as the primary line of evidence in the baseline risk assessment. Rather, the tissue data (e.g., cattle tissue) could be important to "ground-truthing" the bioaccumulation/risk models and serve as a supporting line of evidence when presented as part of a weight of evidence evaluation. Please revise text accordingly.

Response: The sentence will be edited as follows –

Abiotic media sampling results will be used in screening-level, predictive HHERA risk calculations, while biotic media sampling results will be used ~~in refined,~~ as appropriate, to help verify HHERA risk calculations as an additional line of evidence.

0-7. Section 3.0, Page 9, 1st bullet, 1st sentence. The 1st sentence of this bullet appears to be in error. The sentence reads:

"Data collected as part of the 2004-2009 EE/CA, which supersedes the previous 2003 CO/AOC."

Did P4 mean to say "the 2004-2009 data supersedes the pre-2003 CO/AOC data"? Please explain or revise accordingly.

Response: *The bullet has been revised as follows –*

Data collected as part of the 2004-2009 EE/CA, ~~which supersedes the previous~~ as directed by the 2003 CO/AOC.

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0-8. Section 3.0, Page 9, 1st bullet, 2nd sentence. The phrase "and acceptable for all data uses" should be struck from the end of the 2nd sentence because the ultimate use of the data will not be determined until approval of the RI/FS Work Plan. In general, reference to "all uses" or "unrestricted use" should be avoided as those terms are ambiguous. Ultimately, the RI/FS Work Plan including DQO and risk assessment planning information will establish specific intended uses for various data sets. It should not be assumed that data that has been validated and is of known quality will be suitable for "all uses" or "unrestricted use."

Response: *The word "unrestricted" has been removed so that only "all data uses" is the terminology used. Per the discussion with the A/T on the March 1, 2010 conference call to discuss the DQUR, a definition of the phase "all data uses" with appropriate qualifications as been added to the end of Section 1.1. This definition as it appears in Section 1.1 is as follows:*

> *"Data indicated in the DQUR and DAR as being suitable for "all data uses" are available for consideration for the specific and relevant uses indicated in the USEPA RI/FS Guidance (EPA, 1988) – i.e., site characterization, evaluation of alternatives, and risk assessment, as well as scoping. However, the use of such data is still subjected to project-specific data usability evaluations during the RI/FS Work Plan development process based on Data Quality Objectives (DQOs), risk assessment planning and possibly other planning steps."*

0-9. Section 3.1, Page 10, 1st full paragraph. Delete. The information presented is not relevant to the subject. What is relevant is whether or not the data under discussion meet the current project's data quality specifications and data quality objectives. Additionally, not all COPCs were evaluated under the SI/EECA, contrary to the last sentence. Given that the type, amount, and quality of data needed to support the EE/CA may be different than data needs to support the RI/FS, and that specific uses for some datasets have yet to be established, data will be subject to further evaluation of quality and usability to ensure that data of appropriate type and quality are used to support intended uses. This evaluation will be implemented within the framework of approved usability assessments and the RI/FS Work Plan.

Response: *The paragraph has been deleted.*

0-10. Section 3.2, page 11, 1st paragraph, 3rd sentence. Please clarify what the "several one-time studies that P4 may conduct to assess the nature and extent of COPCs" means.

Response: *The phrase will be deleted.*

0-11. Section 3.2.2, page 13, 1st paragraph. Wholesale elimination of consideration of historical data is not appropriate. Some older datasets may provide important information regarding temporal trends, as metals concentrations would not be

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expected to change significantly in some abiotic media (e.g., soils). The DQUR and the RI need to provide a list documenting existing investigations along with a description of why the datasets are or are not relevant to determining nature and extent, current and future exposures, etc. For example, data may be eliminated from further use because of poor data quality or that they have been superseded by more temporally representative data.

Response: *The first paragraph of Section 3.2.2 in no way implies that "wholesale elimination" of the historical data is being considered. The purpose this paragraph is to acknowledge that the pre-2004 data will have limitations on the data usability, a fact that has been explicitly stated in several A/T comments. Nonetheless, the first paragraph will be clarified as follows:*

> *"A portion of the pre-2004 data are not needed for a full range of data uses (on Table 3-2, the riparian soil and vegetation, small mammals, terrestrial invertebrates, benthic invertebrates, macrophytes, periphyton, plankton, upland soil and vegetation, fish, sediment, and surface and groundwater). Specifically, it is not anticipated that these data will be needed in risk assessment, nor have they been validated to a level suitable for risk assessment. The use of these data will, therefore, be limited based on their known data quality. <u>However, these data may be used to assess the nature and extent of contamination (e.g., use of pre-2004 surface water data to evaluate temporal trends) and may be used lower level supporting data for the risk assessment pending A/T notification and approval."</u>*

0-12. Section 3.3, page 14, 1st paragraph. Revise the last sentence to read ". . . United States Geological Survey (USGS) data and research data (e.g., UI, USFS," if appropriate).

Response: *The text has been revised as requested.*

0-13. Section 5.1.1, page 19. As discussed in "General Comments" above, this section needs revision to reflect that the ultimate use of the data will be consistent with approved usability assessments and the DQOs in final approved RI/FS Work Plans.

Response: *The following qualifying statement has been to the section –*

> *"However, the RI/FS development will result in specific DQOs developed for the various RI/FS components. These specific DQOs will ultimately be a key component relating to the data need, use and usability of the data presented in this DQUR."*

0-14. Section 5.1.2, page 19. This section needs to be revised to be consistent with the EPA Guidance for Data Usability in Risk Assessment and the EPA Guidance for Quality Assurance Project Plans that discuss the need to evaluate historic or existing data relative to the current project's DQOs and DQIs. As noted previously in A/T comments on other deliverables, the DQOs in the SI/EECA Work Plans are tasks

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to be conducted rather than actual DQOs and it is not appropriate to include them in this section.

Response: *We think that the fact that the data were collect under the DQO for the EE/CA is relevant information to present. The goal for the EE/CA and RI/FS are similar. However, it is noted that the data cannot be determined to be usable for the RI/FS until they are compared to DQOs developed specifically for the RI/FS during the Work Plan process. Therefore, the following qualifying statement has been added to the text in question:*

> *"However, DQOs will be presented in the RI/FS Work Plan and these DQOs will ultimately be used for final determination of usability of the EE/CA data."*

0-15. **Section 5.1.3, page 20, last sentence.** This sentence needs to be revised. As stated, the last sentence infers that all of the validated data is usable without restriction because the quality is known. As noted in the previous statements, there are several aspects to the evaluation of data usability for use in an RI/FS, including the evaluation of said data relative to the current project's DQOs and DQIs, in addition to having appropriately validated data. The last sentence should be revised accordingly, consistent with Task 1.c. of the CO/AOC SOW statement, "Final approval of the data for these intended uses will be part of the final approval of the RI/FS Work Plan."

Response: *The qualifying statement added in the introductory text per comment response 0-8 should address this comment. The term "all data uses" has been qualified.*

0-16. **Section 5.2.2, page 24.** Please specify if P4 intends to bring in bird egg data collected from other studies (e.g., Joe Skorupa, US Fish and Wildlife Service or Vasterling thesis, University of Idaho) in conjunction with the Selenium Committee/U of I data.

Response: *At this time only the data contained in Appendix C is being considered. If other data is being considered, the A/Ts will be notified, and appropriate steps to approve the data will be taken.*

0-17. **Section 5.2.3, page 25.** The agencies have yet to see any of the data or associated reports from the biopsy, blood, and serum data (that was supposed to be released under separate cover by Dr. Jim Kingery and Jeff Knight). Please specify if this will be provided prior to its use in the RI/FS.

Response: *The data planned for use in the RI/FS is presented in Appendix D. This includes biopsy, blood and serum data. We understand that Jeff Knight may still complete a thesis including these data. However, at this time, there is no indication that this is forthcoming in the near future.*

0-18. **Section 5.3, page 28.** As we understand the reports presented to date, the elk, bird egg, and cattle study will not be used directly for making 'risk management decisions', but will be used as part of the supporting line-of-evidence for those

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decisions. As such, for clarification, the first sentence in this section should be reworded to indicate that, because as it stands now it states that those data (the elk, bird egg, and cattle) "will be used directly for making risk management decisions."

Response: *The sentence has been revised as indicated below to indicate the data will be used to assist as an additional line of evidence in risk assessment.*

> *"With the exception of the elk, bird egg and cattle data discussed above, it is not expected that any of the other pre-2004 data will be used directly <u>for assisting in</u> conducting risk ~~evaluations and making risk management decisions~~ assessment."*

0-19. Section 5.4.2, page 33. Please specify if the O'Kane 2008 data to assess cover performance have been reviewed and approved by the Agencies. If not, this should be indicated.

Response: *A sentence has been added indicating that these data have not been submitted to the A/T.*

0-20. Section 6.0, page 35. The 2nd sentence in the 3rd bullet should be revised to include the words "and Agency approval" added after the words "professional judgment".

Response: *As discussed in the March 1 conference call with the A/T it would be tedious for the A/T to approve all minor data cited in the RI/FS Work Plan. For example, does the A/T need to approve the meteorological data presented? It is proposed by P4 that the text regarding profession judgment be left as is. If P4 judges that the data being used or how it is used is significant enough that prior A/T approval is appropriate, than a request to the A/T will be made. However, for other data, the A/T will have an opportunity to approve of the data use when the draft RI/FS Work Plan is submitted to the A/T.*

0-21. Table 6-1. Delete "Unrestricted relevant use during the RI/FS." The term "unrestricted" should be deleted from the table because a usability assessment has not been completed for the revalidated 2004-2009 data and as stated in Task 1.c. of the SOW, "Final approval of the data for these intended uses will be part of the final approval of the RI/FS Work Plan."

Response: *The text has been revised to make it consistent with the qualify statement regarding "all data uses" presented in Section 1.1 per comment 0-8.*

0-22. <u>Editorial Comments - DQUR</u>

Page iii. Acronyms and Abbreviations. RBSL should be RBCL.

Page iii, Acronyms and Abbreviations. EIS generally means Environmental Impact "Statement." Revise accordingly.

Section 4.3, page 18, 1st paragraph (partial). A word ("made"?) needs to be inserted between *be* and *regarding*.

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Section 5.3.1.3, page 29, 4th paragraph (last), line 5. Delete *as*.

Section 5.4.2, page 33,2nd paragraph, line 7. Change *a* to "an."

Response: *Editorial errors will be corrected in the revised document.*

Part 2 - Data Approval Request (DAR)

0-23. Section 2.0, 1st paragraph. Text states "P4 requests that the following data sets be accepted for all data uses during the RI/FS." The DAR should be revised to recognize the following points:

- Reference to "all uses" or "unrestricted use" should be avoided as those terms are ambiguous. The DAR must clarify that datasets have been evaluated relative to DQOs and associated data quality specifications linked to intended use. Ultimately, the RI/FS Work Plan including DQOs and risk assessment planning information will establish specific intended uses for various datasets. It should not be assumed that data that has been validated and is of known quality will be suitable for "all uses" or "unrestricted use."
- For some datasets, only general intended uses have been specified at this point. For other datasets (e.g., 2009 soil and vegetation, elk tissue, and others), more specific intended uses have been established. Consistent with the SOW, there may be further evaluation of the quality and usability of datasets as intended uses are changed or refined. Final approval of the data for these refined intended uses will be considered during review of the RI/FS Work Plan.
- There are limitations to the uses and interpretations of some historical datasets. For example, there is significant uncertainty surrounding the representativeness for cattle exposure at unreclaimed areas and of elk exposure to the P4 mines. As a result, the A/T agree that these datasets can be included in the RI/FS, however a blanket acceptance of use for all purposes is not warranted. Some of these datasets will only serve to support other lines of evidence and to ground-truth modeling from data of higher certainty. The term "all uses," therefore, should be deleted from the request because it may be misleading and overly general. Please revise the request to express that P4 is requesting that the selected datasets be accepted for use during the RI/FS, consistent with their known limitations, known project needs, and approved use as specified in the final RI/FS Work Plan.

Response: *The qualifying statement related to the use of the phase "all data uses" has been added to the DAR in Section 2.0 and along with additional examples of how known limitations will need to be considered. Further a note has been added to the introduction of the DAR to indicate that this document represents a preliminary approval that approval of the RI/FS Work Plan will represent final approval of the data and data uses. The added statement reads:*

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"Data indicated in the DQUR and DAR as being suitable for "all data uses" are available for consideration for the specific and relevant uses indicated in the USEPA RI/FS Guidance (EPA, 1988) – i.e., site characterization, evaluation of alternatives, and risk assessment, as well as scoping. However, the use of such data is still subjected to project-specific data usability evaluations during the RI/FS Work Plan development process based on Data Quality Objectives (DQOs), risk assessment planning and possibly other planning steps." There may also be other known limitation associated with some data that will need to be considered (e.g., spatial distribution relevant to the problem being addressed).

<u>Appendix B Data Quality Assessment – Pre-2004 Data 1999-2000 Elk Tissue Samples – Final</u>

0-24. Section 4.1, page 14, 1st bullet. When evaluating human health risk, it also needs to be taken into consideration that in addition to muscle tissue, hunters also consume organs (e.g., heart and liver). This also needs to be taken into consideration and modeled if data are not available for those organs. Since this document (Appendix B) is final, this concept is something that should be carried forward into the risk assessment.

Response: *Please note that the primary purpose of the DQUR is to provide the A/T with an assessment of the quality and usability of existing data, including the elk tissue data. Issues related to potentially complete or incomplete exposure pathways, and the manner in which the elk tissue data will be evaluated in the human health risk assessment (HHRA), will be described in the Remedial Investigation and Feasibility Study (RI/FS) Work Plan. Please also note that elk tissues that were sampled include skeletal muscle and liver tissues; heart tissue was not sampled.*

0-25. Section 4.1, page 14, 1st full bullet. Regarding ecological risk assessment, another concept that should be carried into the risk assessment that is not addressed in this report is the consumption of elk tissue by other receptors (e.g., birds feeding on elk carrion). Since this document (Appendix B) is final, this concept is something that should be carried forward into the risk assessment.

Response: *Please refer to our response to Comment 0-24, above. Issues related to potentially complete or incomplete exposure pathways, and the manner in which the elk tissue data will be evaluated in the ecological risk assessment (ERA), will be described in the RI/FS Work Plan. Please also note that scavengers or predators feeding on carrion is an extremely unusual exposure pathway to be evaluated in an ERA. This risk assessor has never received a request to evaluate such a pathway in an ERA. Furthermore, a draft ecological conceptual site model (CSM) for the P4 Mines was presented and discussed during the March 3rd Data Gaps meeting, and this receptor/exposure pathway combination was not mentioned by the A/Ts. Similarly, this pathway is not included in the ecological CSM for the Smokey Canyon Mine.*

0-26. Attachment E, Table 4.7. Because this document (Appendix B) is final, a change to the document based on the following comment is not required. However, the type of information and revisions identified below should be applied to all pertinent future

deliverables (e.g., Risk Assessment Report) where data are interpreted and similar types of information may be instrumental in understanding data representativeness and uncertainties. The comment is as follows:

> In regards to the 'Before-the-Fact-Treatment' column, either the footnote or the text of the table needs to identify that the kill locations may not be accurate considering the hunter may have not been forthcoming with his/her hunting area information (no hunter likes to give away their hunting spots), or was not exact on pinpointing the kill location (it's unlikely the hunter had the exact location isolated on a GPS device). So identifying if the kill spot is greater or less than 10 miles from a phosphate mine may not be accurate. It should also be discussed as to how it was ruled out that elk were located greater than or less than 10 miles from any phosphate mine as discussed on page 20 of the elk data report. Was the boundary of every mine put on a map, and then the elk kill locations overlayed? That would be useful information to provide to support the control versus mine area designation.

Response: *Because the DQUR is approved and Appendix B is 'final', no changes to Table 4.7 will be made. However, uncertainties regarding elk tissue harvest locations will be described in future deliverables, including the HHRA and ERA documents for the P4 Sites, as applicable. As described in the 1999 Interim Investigation Data Report, Southeast Idaho Phosphate Resource Area Selenium Project (MWH, 2000), the Idaho Department of Fish and Game (IDFG) determined a home range for elk of approximately 600 square miles (equivalent to the area of all mines plus a 10 miles from any mine boundary). The locations of individual elk tissue sample harvest locations were plotted on a map, and elk tissue samples harvested from further than 10 miles from any phosphate mine boundary were designated as control samples, listed in Table 4-7 of the report as "before-the-fact treatment" control samples ("treatment" referring to statistical treatment). Tissue samples collected from elk harvested within 10 miles of any mine boundary were designated as mine samples, listed in Table 4-7 of the report as "before-the-fact treatment" mine samples. The data were then statistically evaluated, and reclassified as "after-the-fact treatment" control or mine samples, as listed in Table 4-7 of the report.*

We acknowledge that there may be uncertainties regarding precise the precise locations of harvested elk tissue samples. Potential uncertainties associated with the harvest locations will be acknowledged and described in the uncertainty analysis sections of the HHRA and ERA, as applicable.

<u>Appendix C Pre-2004 Data 1999-2001 Bird Egg Samples Technical Memorandum – Draft Revision 0</u>

0-27. Section 4.1, page 16, 1st bullet. Please explain how, if at all, will the bird egg data be used to analyze effects and potential for bioaccumulation, if any, on predators that consume either the birds (either alive or as carrion) or their eggs.

Response: *Please refer to our response to Comment 0-24, above. Issues related to potentially complete or incomplete exposure pathways, and the manner in which the bird egg tissue data will be evaluated in the ERA, will be described in the RI/FS Work Plan. At this time, it is not anticipate that the bird egg tissue*

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data will be used directly in ecological dose calculations (e.g., as a dietary item) for carnivorous mammals or birds. Rather, it is anticipated that the bird egg tissue data will be used as a secondary line of evidence in evaluating the bioaccumulation potential of selenium, and other trace minerals, in avian tissues.

0-28. Section 4.1, page 18, Table 2, Step 4. Under 'Spatial Boundaries' #3, there is a discussion of "selected foraging radii." Please describe in the text how the foraging radii for each species was determined.

Response: *This comment relates to the manner in which the bird egg tissue data may be used in the ERA for the P4 Mines. Please refer to our responses to Comments 0-24 and 0-27, above, regarding the purpose of the DQUR. However, please also note that 'foraging radii' for species included in the bird egg survey were obtained from the U.S. Environmental Protection Agency's (USEPA's) Wildlife Exposure Factors (WEF) Handbook (USEPA, 1993), and other published sources. To the extent that the bird egg tissue data are used in the ERA for the P4 mines, the methods and assumptions used to determine 'foraging radii' will be described in the ERA.*

0-29. Section 4.1. page 18, Table 2, Step 4, last paragraph. As stated, P4 does not intend to include data from birds eggs collected downstream of the mines that could have been influenced by other mines. Understandably, P4 is concerned with the issue of source contributions in these areas. However, P4 should also address if it is possible that gradients in the upstream areas near the mines reduce sediment deposition until further downstream. That is, P4 should evaluate if contamination from P4 Mines could be missed by only looking near the site instead of in areas downgradient where natural sediment sinks may be present.

Response: *The issue of downgradient sediment sinks (e.g., in less energetic reaches of the P4 Mine drainages than are present near the P4 Mines) is a valid concern in regard to potential bioaccumulation of trace minerals in birds and other receptors. Based on case studies of other seleniferous sites (e.g., Beleuws Lake, South Carolina and Kesterson Reservoir, California), the ultimate sediment sink for the Southeast Idaho Phosphate Resource Area would theoretically be the Blackfoot Reservoir. However, samples of periphyton, macro-invertebrates, micro-invertebrates, fish and bird egg tissues collected from the Blackfoot Reservoir during the 1999 and 2000 Regional Investigation demonstrated that the Blackfoot Reservoir is not a sink for selenium, or other trace minerals, contamination. Nevertheless, hydraulic gradients and the potential for sediment sinks will be evaluated in the applicability of bird egg tissue data to the ERA for the P4 Mines, as applicable.*

0-30. Section 4.2, page 21, Table 3. With regards to action levels, there are likely numerous studies looking at selenium/cadmium in avian eggs. Please explain how the studies provided in this report were selected as the ones to use to develop action levels. Also, please specify if EPA has standard action levels, or sources to obtain those action levels, that they recommend. If so, it may be more appropriate to use these rather than the studies that were selected and presented in this table.

Response: *Please note that the USEPA has not published standard action levels for trace minerals in bird egg tissues. The 'action levels' presented in Table 3 represent available published effects levels for trace*

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minerals in bird egg tissues, and were provided for the sole purpose of evaluating the adequacy of reporting limits for trace minerals in bird egg tissues. Currently, there is no intention of comparing bird egg tissue concentrations to published screening levels or action levels as a primary line of evidence in the ERA. In the event that a comparison of bird egg tissue concentrations to published screening levels or action levels is used as an additional line of evidence in the ERA, the robustness of available tissue-based effects levels for individual trace minerals in bird egg tissues will be described.

0-31. **Section 4.2, page 21, Table 3.** Promulgated action levels are not available for egg tissues. Considering this, a summary of information obtained from literature reviews and queries of available toxicological databases is necessary for the risk assessment and needs to be used to justify appropriate screening levels or action levels. Additionally, information on differing inter-species sensitivities to COPCs should be provided.

Response: *Please refer to our responses to Comments 0-24 and 0-27, above. The manner in which the bird egg tissue data will be evaluated in the ERA, will be described in the RI/FS Work Plan. At this time, it is not anticipated that the bird egg tissue data will be evaluated quantitatively in the HHRA and/or ERA. Rather, it is anticipated that the bird egg tissue data will be used as a secondary line of evidence in evaluating the bioaccumulation potential of selenium, and other trace minerals, in avian tissues.*

We agree that promulgated action levels are not currently available for bird egg tissues. The sole purpose of providing available screening levels or action levels for bird egg tissues in the DQUR was to assess the adequacy of reporting limits for the pre-2004 bird egg tissue data. At this time, there is no intention of comparing bird egg tissue concentrations to published screening levels or action levels as a primary line of evidence in the ERA. In the event that a comparison of bird egg tissue concentrations to published screening levels or action levels is used as an additional line of evidence in the ERA, the robustness of available tissue-based effects levels for individual trace minerals in bird egg tissues will be described.

0-32. **Section 4.2, page 21, Table 3.** In the Description of Spatial Coverage there is discussion of locations for bird egg collection. Sampling was conducted during drought years, thus the Ratti (2002) 1998-2001 Avian Reproduction report states ". . . year 2000 data were likely biased and should be viewed with caution." Please describe how that will that be accounted for in the risk assessment.

Response: *Please refer to our response to Comment 0-24, above. The primary purpose of the DQUR is to provide the A/T with an assessment of the quality and usability of existing data, including the bird egg tissue data. The manner in which the bird egg tissue data will be evaluated in the ERA, will be described in the RI/FS Work Plan, and potential uncertainties in the bird egg data will be described in the HHRA and ERA, as applicable.*

<u>Appendix D Pre-2004 Data 1999-2000 Cattle Study Data Technical Memorandum – Draft Revision 0</u>

0-33. **General.** The A/T agree that the cattle study is relevant to P4 and that these data should be included as a line of evidence in the risk assessments. However, it should

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be noted that risk characterization and management decisions will not be made solely on the results of this study. Differences in reclamation practices, source material, vegetation types and abundance, interspecies variability, etc. are uncertainties not addressed by the cattle study. Additionally, a single study of 15 cattle, exposed for 9 weeks, during one year, and only on reclaimed areas of the Henry Mine limits the use of the cattle data to a supporting line of evidence and/or to ground-truth modeling from abiotic and vegetation data.

Response: *We agree that risk characterization and management decisions will not be made solely on the basis of the cattle tissue data. As stated in the Data Quality Assessment – Pre-2004 Data 1999-2000 Cattle Study Technical Memorandum – Draft Revision 2, "Conclusions regarding potential human health risks associated with the consumption of elk tissues harvested from the vicinity of P4's Ballard, Henry, and Enoch Valley mines will be based on multiple lines of evidence potentially including, but not limited to, comparison of elk tissue concentrations to screening levels, action levels, and/or predicted concentrations based on soil or vegetation concentrations and standard exposure models. Conclusions drawn from multiple lines of evidence in the human health risk assessment will be used in risk management decisions regarding the mines."*

We believe that tissue samples from 20 large animals (i.e., 15 treatment cattle and 5 control cattle) represents a fairly robust sample population. However, we will let the statistics (e.g., variance in the cattle tissue concentrations) speak for themselves before passing judgment on their quality or adequacy. As with any environmental sampling data, there are potential uncertainties related to representativeness, because every portion of the population cannot be sampled. Potential uncertainties in the cattle tissue data including, but not limited to, the issues mentioned by the reviewer will be discussed in the uncertainty analysis sections of the HHRA and ERA, as applicable.

0-34. Section 4.1, page 16, 2nd bullet. Different ungulates have different feeding strategies (grazers versus browsers). Please explain how this will be accounted for in the risk assessment as intake of COPCs may be different given the different feeding strategies.

Response: *Please note that the cattle tissue data will only be used, quantitatively or semi-quantitatively, in the evaluation of hazards to cattle, and/or in the evaluation of risks to humans consuming cattle. Although cattle, sheep and horses are all classified as grazers, sheep and horses are more selective grazers than are cattle. Therefore, potential trace mineral exposures associated with foraging on the P4 mine sites may differ between these three livestock species. As a result, the cattle tissue data will not be used to quantitatively evaluate potential hazards to other livestock species. However, risk managers may choose to use results of the hazard assessment for cattle when establishing best management practices (BMPs) for livestock grazing, including grazing permits for all three livestock species, at their discretion.*

Uncertainties regarding the application of quantitative hazard assessment results for cattle to other livestock species will be discussed in the uncertainty analysis section of the ERA.

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0-35. Section 4.2. page 19, Table 3. Promulgated action levels are not available for cattle tissue. Considering this, a summary of information obtained from literature reviews and queries of available toxicological databases is necessary for the risk assessment and needs to be used to justify appropriate screening levels or action levels. Additionally, information on differing inter-species sensitivities to COPCs should be provided.

Response: *Please refer to our response to Comment 0-24, above. The primary purpose of the DQUR is to provide the A/T with an assessment of the quality and usability of existing data, including the cattle tissue data. The manner in which the cattle tissue data will be evaluated in the HHRA and/or ERA, will be described in the RI/FS Work Plan.*

We agree that promulgated action levels are not currently available for cattle tissues. The sole purpose of providing available screening levels or action levels for cattle tissues in the DQUR was to assess the adequacy of reporting limits for the pre-2004 cattle tissue data. In the event that tissue-based screening levels for cattle are used in the HHRA or ERA, a literature review of available toxicological data for specific trace minerals in cattle tissues will be performed, and results of the review will be described in the HHRA and/or ERA, as applicable.

0-36. Section 4.2, page 19, Table 3. With regards to Spatial Relevance, what data are available to indicate that cattle data from the Henry Mine are representative of exposure at the Ballard and Enoch Valley Mines given that each reclaimed site is composed of different material with varying concentrations of COPCs?

Response: *We agree that there are uncertainties related to the potential application of cattle tissue data, or risk/hazard results for humans/cattle, derived from Henry Mine to Ballard and Enoch Valley Mines due to potential differences in soil and/or vegetation types between the mines. However, some of this uncertainty can be addressed by evaluating the relationship between concentrations of trace minerals in soil and vegetation between the three mines. To the extent that uptake of trace minerals from soil into vegetation is similar between the three mines, then the cattle tissue data may be relevant to the Ballard or Enoch Valley Mines in either a quantitative or qualitative sense. These relationships will be evaluated and discussed with the A/Ts during preparation of the HHRA and ERA.*

Appendix E

0-37. For the 2009 vegetation data validation reports, please revise as follows:

- Identify the sample digestion/preparation method in the intro and the title(e.g. sample delivery groups L09070242, L09070242), qualify data if needed.

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- Identify whether the Laboratory Control Standard (LCS) sample matrix is vegetation and whether the control limits are for vegetation (e.g. sample delivery groups L09070242, L09070242); qualify as needed.

- Under 'duplicates' and 'spikes' sections, the criteria shown are those for soil and water rather than vegetation (e.g. sample delivery groups L09070242, L09070242). Identify, which criteria were used for evaluation of the vegetation data. Please explain in the reports.

- Under "sample results verification," identify that the MDLs are based on bead study rather than actual matrix. Identify a qualifier/flag as was done for the pre-2009 data for similar issues (e.g. sample delivery groups L09070242, L09070242).

Response: *LDC data validation report numbers 21293, 21412, and 21664 will be revised as follows:*

- *"Parameters" on title page will be changed, for example for 6010B, from "Metals by ICP SW-846 Method 6010B" to "Metals by ICP SW-846 Method 6010B and Microbac SOP VEG-1"*

- *The "Introduction" will be changed, for example for 6010B, as follows:*

  The analysis was performed as noted below:

  - *SW-846 Method 6010B ICP: Antimony, boron, manganese, molybdenum, and zinc.*
  - *Samples prepared per Micorbac's SOP VEG-1; samples were air dried and ground to pass through a 4 mm sieve prior to digestion.*

  This review follows the specified guidance in the project QAPP (Attachment 2 of the Supplemental Mine Waste Rock Dump and Facility Soil and Vegetation Characterization, Sampling and Analysis Plan, Final Revision 3; MWH 2009) using the intent of the USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review (October 2004) as applicable to the method stated above.

- *"Section V. Laboratory Control Sample (LCS)" will be revised as follows, "Laboratory control samples were performed on a blank matrix as specified in the laboratory's SOP; Teflon® beads were used for the blank matrix. Spike amounts were reviewed and concentrations are noted to be at or near the mid-point of the calibration. Percent recoveries (%R) were within the 80-120% control limits as specified in the QAPP for solid matrices."*

- *"Section VI. Duplicate Sample Analysis" will be revised as follows, "Field replicates were collected as triplicate samples. The results of triplicate samples were not evaluated by the data validator. MWH will present the results and evaluation of triplicate samples in its report."*

Draft Response to
Agencies and Tribes Comments on *Data Quality and Usability Report (DQUR) and Data Approval Request (DAR) Revision 0*, March 12, 2010
(Page 20 of 20)

- *"Section VII. Spike Sample Analysis" will be revised as follows, "Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed. Spike amounts were reviewed and concentrations are noted to be at or near the mid-point calibration. Percent recoveries (%R) were within 75-125% and relative percent differences (RPD) were within 35% limits as specified in the QAPP for solid matrices."*

- *"Section X(a). Sample Result Verification" will be revised for LDC report no. 21293 as follows:*

  > *All sample result verifications were acceptable. A method detection limit (MDL) study was specified in the laboratory's SOP for validation of this method for vegetation samples. However, the MDL study could not be completed for vegetation matrix because the media contained target analytes at levels significantly greater than the sensitivity of the instrument, so the MDLs reported for the vegetation data are based on the laboratory's previously-generated MDLs established using Teflon® beads. Because the MDL study could not be completed, the A/T request analysis of a low-level LCS with each preparation batch of vegetation samples. However, the samples for this laboratory SDG were already prepared and analyzed, so the low-level LCS request could not be accommodated.*

- *"Section X(a). Sample Result Verification" will be revised for LDC report nos. 21412 and 21664 as follows:*

  > *All sample result verifications were acceptable. A method detection limit (MDL) study was specified in the laboratory's SOP for validation of this method for vegetation samples. However, the MDL study could not be completed for vegetation matrix because the media contained target analytes at levels significantly greater than the sensitivity of the instrument, so the MDLs reported for the vegetation data are based on the laboratory's previously-generated MDLs established using Teflon® beads. Because the MDL study could not be completed, the A/T request analysis of a low-level LCS with each preparation batch of vegetation samples. The low-level LCS was spike at approximately two times the MDL. Sample results were not qualified based on the results of the low-level LCS.*

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 10
IDAHO OPERATIONS OFFICE
1435 N. Orchard St.
Boise, Idaho 83706

February 17, 2010

Barry Koch
Special Projects Lead – Mining
Monsanto Company
P.O. Box 816
Soda Springs, Idaho 83276

Re: A/T Comments on *Data Quality and Usability Report (DQUR) And Data Approval Request (DAR) Draft Revision 0,* prepared for P4 Production by MWH, January 14, 2010.

Dear Mr. Koch,

The Agencies and Tribes have reviewed the above referenced deliverable submitted by P4. This work product was developed pursuant to the 2009 RI/FS Settlement Agreement. Our comments are enclosed. We will be available to discuss these comments during our next conference call or at another scheduled time.

If you have any questions, please contact me. I can be reached at 208-378-5763 or electronically at tomten.dave@epa.gov.

Sincerely,

Dave Tomten
Remedial Project Manager

Enclosure

cc: Cary Faulk, MWH
Mike Rowe, IDEQ
Mary Kaufman, FS
Jim Alexander, USDA
Forest Service - Enoch Valley Site Record
Jeff Cundick, BLM
Sandi Arena, US FWS
Kelly Wright, Shoshone Bannock Tribes

Eldine Stevens, BIA
Susan Hanson (for the tribes)
Tim Mosko, CH2MHill
EPA Site File (electronic version only)

Enclosure

A/T comments on *Data Quality And Usability Report (DQUR) And Data Approval Request (DAR) Draft Revision 0*, prepared for P4 Production by MWH, January 14, 2010

Introduction and Background

P4 Production, L.L.C. (P4) has submitted the referenced documents, henceforth referred to as the DQUR (*Data Quality And Usability Report)* and DAR *(Data Approval Request)*, pursuant to the statement of work (SOW) to be carried out by P4 as it implements the Remedial Investigation and Feasibility Study (RI/FS) at the Enoch Valley, Henry, and Ballard Phosphate Mine Sites in southeastern Idaho. The primary purpose of the DQUR is to provide the Agencies/Tribes (A/T) with an assessment of the quality and usability of existing data to support specific intended uses consistent with EPA guidance as specified in Task 1.c. of the SOW (Appendix 1 of 2009 CO/AOC). The process summarized in the SOW recognized that this deliverable will precede submittal of the RI/FS Work Plan, and that there are some datasets for which intended uses are generally known but have not been more specifically defined. The SOW further notes that for such datasets, quality and usability will be further evaluated as uses are refined, and that final approval of the data for these more specific intended uses will be part of the final approval of the RI/FS Work Plan. The primary purpose of the DAR is for P4 to seek approval of the various datasets for use in the RI/FS process, consistent with the discussion in the SOW.

General Comments

<u>Data Quality Usability Report (DQUR)</u>

Pursuant to Task 1.c. of the SOW, P4 has submitted a report (DQUR) documenting the results of an evaluation of the quality and usability of existing data, which is subject to EPA approval. The A/T makes the following general comments on the use of pre-2009 CO/AOC data as presented in the DQUR:

- The DQUR appears to be well written and presented in a logical, understandable format.
- A significant amount of data have been collected and it is desirable to maximize use of existing data in the RI/FS;
- The DQUR appears to adequately document the quality of the selected pre- 2003 CO/AOC data (elk, cattle, and bird egg tissue) consistent with EPA guidance and direction ("the roadmap"), other than as specified in these A/T comments.
- The DQUR summarizes and documents data collected pursuant to the 2003 CO/AOC. All of these datasets have been validated. Some of these datasets have

updated DQOs (groundwater, surface water, soil, vegetation), while others do not (e.g., benthic data, sediment data, fish tissue data).

- The datasets evaluated in the DQUR are all potentially relevant to the P4 Mines, have been validated (or validation is in process), and are of known quality. Thus, these datasets may be used in the RI/FS consistent with any limitations identified in data validation and usability assessments.
- For some datasets, only generalized intended uses have been defined at this point. As more specific intended uses are established or refined in DQOs in the final RI/FS Work Plan, further evaluation of quality and usability will be needed to ensure that data of appropriate type and quality are used to support intended uses.

Consistent with Task 1.c. of the SOW, the DQUR provides an acceptable assessment of the quality and usability of the elk, cattle, and bird egg datasets. This assessment was generally consistent with EPA guidance and direction provided in the "roadmap," and included defining intended uses of these datasets, establishing data quality specifications, evaluating data relative to data quality specifications, and documentation of findings.

The DQUR also summarized and assessed the quality of the validated 2004 -2009 data, excluding issues identified in the "Specific Comments" section below. For the 2009 soil, vegetation, surface water, and groundwater datasets, these data were collected based on approved media-specific DQOs, thus it is assumed that these data are adequately documented and further usability assessment of the 2009 datasets is unnecessary at this time.

For the remaining 2004 – 2008 datasets, these data were collected pursuant to previously approved planning documents and have been validated, thus are of known quality. It should not be assumed, however, that all of these datasets are of appropriate type and quality to support specific intended uses. The DQUR does not, however, include an evaluation of usability of these data relative to current DQOs and data quality specifications. The DQUR notes that the validated 2004-2008 datasets are likely to be usable for the general purposes of scoping and characterization, risk assessment, and feasibility study, but more specific intended uses have not been established. For example, the benthic macroinvertebrate dataset was fully validated, but detection limits may not be appropriate to support a meaningful comparison to ecological benchmarks or for use in risk assessment.

Consistent with the SOW and EPA guidance, P4 must evaluate and document the usability of validated 2004-2008 datasets to support specific intended uses. To document the usability of the validated 2004 -2008 data for the RI/FS Work Plan, P4 will need to complete an assessment of each validated 2004-2008 media dataset relative to applicable DQOs and data quality specifications such as representativeness, comparability to screening levels, and precision, etc. To complete a usability assessment for the 2004-2008 data P4 should complete the following tasks:

- For the 2004-2008 soil, vegetation, surface water, and groundwater data, the datasets should be evaluated relative to the current approved DQOs and data quality specifications per the 2009 work plans for these media. This is ensure that these data meet current project DQOs.
- For the other 2004-2008 datasets (fish, benthic macroinvertebrates, sediment, riparian soil, and riparian vegetation), the usability of the data must be assessed relative to updated and approved DQOs and associated data quality specifications. Note that upland soil and vegetation DQOs and data quality specifications may be modified as appropriate for evaluation of riparian soil and vegetation datasets. As Task 1.c. of the SOW expressly states,

> "The report will provide an assessment of quality and usability of existing data to support specific intended uses consistent with EPA guidance. This report will document findings, and potential limitations or caveats on the data and make recommendations on actions needed (e.g., confirmation sampling, relaxation of acceptance criteria) for data to support intended uses."

This evaluation of the 2004-2008 datasets may be included in a revised DQUR prior to acceptance by the A/T or may be deferred to the RI/FS Work Plan if deemed necessary to keep the project on track and on schedule. Technically, final approval of the use of the data is applicable to when the specific uses of the data have been identified in the DQOs within the RI/FS Work Plan. This would be consistent with the last three sentences in Task 1.c. of the SOW that reads:

> "Because this deliverable [DQUR] will precede submittal of an RI/FS Work Plan, there are some data sets (e.g., biotic data sets) for which intended uses (e.g., refinement of risk) are generally known but have not been specifically defined. For such data sets, quality and usability will be further evaluated as uses are refined to ensure that data of appropriate type and quality are used to support intended uses. Final approval of the data for these intended uses will be part of the final approval of the RI/FS Work Plan. This essentially states that all datasets used in the RI/FS process are subject to final approval of the RI/FS Work Plan.

In summary, the A/T agree that the selected data in the DQUR are relevant to the P4 Mines and are of known quality, thus may be used in the RI/FS consistent with any limitations identified in approved data validation assessments, usability assessments, and DQOs in the final RI/FS Work Plan. Final DQOs for the RI/FS are still to be established and may be further refined as the investigation moves forward. As a result, it must be recognized by all parties that DQOs may evolve as the project progresses.

Other general comments on the DQUR are as follows:

Appendices B, C, D- 'Detailed Evaluation of UIASL Data Package Content' tabulated for biota are all consistent with the approved elk tissue data presented in Appendix B. All three appendices show that the data packages were equivalent. The elk tissue data presented in Appendix B was approved by the EPA on behalf of the A/T on January 12, 2010.

Acronyms should be defined the first time they are used (e.g., HHERA and RBCL on Page 7).

Both 2003 CO/AOC and 2004 CO/AOC are used in the document. As the CO/AOC was actually signed in 2003, 2003 CO/AOC would be correct. Please make corrections, accordingly.

Specific Comments

Part 1 - Data Quality and Usability Report (DQUR)

Section 1.1, pages 1-2, starting with last paragraph on page 1. The text appears to state that the data evaluated in the current document were expressly collected in a manner consistent with Guidance for Conducting Remedial Investigations and Feasibility Studies (RI/FS) Under CERCLA. This is incorrect. Some of the data included for evaluation in this report precedes the agreement to conduct an RI/FS by more than a decade. Additionally, text in this same section suggests that data collected from 1997-2002 for the assessment of regional environmental impacts meet the same data objectives of the site specific data collection efforts from 2003-present for the three P4 historic mine sites. This is also incorrect. Please revise this section, accordingly.

Section 1.1, page 2, 2nd paragraph, 2nd sentence. The text states "Since the pre-2004 data collection, new, more rigorous procedures for evaluating data quality have been agreed to, and all data collected as part of the EE/CA have been subjected to these more rigorous procedures and validation." Please revise the text to clarify that the data objectives have changed from an SI/EECA in 2004 to an RI/FS in 2009. The DQOs identified in 2004 planning documents were either lacking or very general in nature. In addition, one of the differences between the two is the inclusion of a quantitative risk assessment (both human health and ecological) in the RI/FS which requires a higher level of documentation on what is known regarding the data quality used for the risk assessment.

Section 1.1, page 2, 3rd paragraph, last two sentences. Please delete the last two sentences. Any cost benefit of the use of historic data is unknown at this time, especially given the scope of the work conducted at the three mine sites since approximately 2007. The unique studies that are referred to are more than a decade old and the data were collected without appropriate or adequate agency oversight for a regional investigation. Much of the data are not spatially or temporally relevant to the existing site-specific remedial investigations, so discussion of any need to redo these investigations, should the historic data not be used, is irrelevant.

Section 1.2, Page 4. As described, the information in Appendix E covers samples collected from 2004 to 2009. Please explain how it provides back-up documentation for data collected prior to 2004 as found in Appendices B-D or revise text accordingly.

Section 2.1, page 6, 2nd paragraph, last sentence. The text states "Those media that are associated with elevated concentrations of chemicals known to be related to phosphate mining based on past sampling events warrant more focus in the RI/FS than those media that are not associated with elevated chemical concentrations." Please revise this section to clarify that it would be incorrect to determine from data collected as part of the regional investigation (1997-2002 and included in the introductory section of this document) which media and which COPCs the RI/FS should be based on as those data do not reflect site specific conditions nor were some of the media appropriately screened for COPCs. Additionally, many of the historic data collection efforts did not include the full suite of COPCs needed in the RI/FS.

Section 2.2, Page 8, 1st full paragraph, last sentence. The stated use of historic biota data for use in refined HHERA risk calculations appears to be contradictory to what was proposed in person at the P4/Agency risk assessment meeting on November 4, 2009. The A/T believe that the uncertainties surrounding the tissue data are likely to preclude its use as the primary line of evidence in the baseline risk assessment. Rather, the tissue data (e.g., cattle tissue) could be important to "ground-truthing" the bioaccumulation/risk models and serve as a supporting line of evidence when presented as part of a weight of evidence evaluation. Please revise text accordingly.

Section 3.0, Page 9, 1st bullet, 1st sentence. The 1st sentence of this bullet appears to be in error. The sentence reads:

> "Data collected as part of the 2004-2009 EE/CA, which supersedes the previous 2003 CO/AOC."

Did P4 mean to say "the 2004-2009 data supersedes the pre-2003 CO/AOC data"? Please explain or revise accordingly.

Section 3.0, Page 9, 1st bullet, 2nd sentence. The phrase "and acceptable for all data uses" should be struck from the end of the 2nd sentence because the ultimate use of the data will not be determined until approval of the RI/FS Work Plan. In general, reference to "all uses" or "unrestricted use" should be avoided as those terms are ambiguous. Ultimately, the RI/FS Work Plan including DQO and risk assessment planning information will establish specific intended uses for various data sets. It should not be assumed that data that has been validated and is of known quality will be suitable for "all uses" or "unrestricted use."

Section 3.1, Page 10, 1st full paragraph. Delete. The information presented is not relevant to the subject. What is relevant is whether or not the data under discussion meet the current project's data quality specifications and data quality objectives. Additionally, not all COPCs were evaluated under the SI/EECA, contrary to the last sentence. Given that the type, amount, and quality of data needed to support the EE/CA may be different than data needs to support the RI/FS, and that specific uses for some datasets have yet to be established, data will be subject to further evaluation of quality and usability to ensure that data of appropriate type and quality are used to support

intended uses. This evaluation will be implemented within the framework of approved usability assessments and the RI/FS Work Plan.

Section 3.2, page 11, 1st paragraph, 3rd sentence. Please clarify what the "several one-time studies that P4 may conduct to assess the nature and extent of COPCs" means.

Section 3.2.2, page 13, 1st paragraph. Wholesale elimination of consideration of historical data is not appropriate. Some older datasets may provide important information regarding temporal trends, as metals concentrations would not be expected to change significantly in some abiotic media (e.g., soils). The DQUR and the RI need to provide a list documenting existing investigations along with a description of why the datasets are or are not relevant to determining nature and extent, current and future exposures, etc. For example, data may be eliminated from further use because of poor data quality or that they have been superseded by more temporally representative data.

Section 3.3, page 14, 1st paragraph. Revise the last sentence to read ". . . United States Geological Survey (USGS) data and research data (e.g., UI, USFS," if appropriate).

Section 5.1.1, page 19. As discussed in "General Comments" above, this section needs revision to reflect that the ultimate use of the data will be consistent with approved usability assessments and the DQOs in final approved RI/FS Work Plans.

Section 5.1.2, page 19. This section needs to be revised to be consistent with the EPA Guidance for Data Usability in Risk Assessment and the EPA Guidance for Quality Assurance Project Plans that discuss the need to evaluate historic or existing data relative to the current project's DQOs and DQIs. As noted previously in A/T comments on other deliverables, the DQOs in the SI/EECA Work Plans are tasks to be conducted rather than actual DQOs and it is not appropriate to include them in this section.

Section 5.1.3, page 20, last sentence. This sentence needs to be revised. As stated, the last sentence infers that all of the validated data is usable without restriction because the quality is known. As noted in the previous statements, there are several aspects to the evaluation of data usability for use in an RI/FS, including the evaluation of said data relative to the current project's DQOs and DQIs, in addition to having appropriately validated data. The last sentence should be revised accordingly, consistent with Task 1.c. of the CO/AOC SOW statement, "Final approval of the data for these intended uses will be part of the final approval of the RI/FS Work Plan."

Section 5.2.2, page 24. Please specify if P4 intends to bring in bird egg data collected from other studies (e.g., Joe Skorupa, US Fish and Wildlife Service or Vasterling thesis, University of Idaho) in conjunction with the Selenium Committee/U of I data.

Section 5.2.3, page 25. The agencies have yet to see any of the data or associated reports from the biopsy, blood, and serum data (that was supposed to be released under separate cover by Dr. Jim Kingery and Jeff Knight). Please specify if this will be provided prior to its use in the RI/FS.

Section 5.3, page 28. As we understand the reports presented to date, the elk, bird egg, and cattle study will not be used directly for making 'risk management decisions', but will be used as part of the supporting line-of-evidence for those decisions. As such, for clarification, the first sentence in this section should be reworded to indicate that, because as it stands now it states that those data (the elk, bird egg, and cattle) "will be used directly for making risk management decisions."

Section 5.4.2, page 33. Please specify if the O'Kane 2008 data to assess cover performance have been reviewed and approved by the Agencies. If not, this should be indicated.

Section 6.0, page 35. The 2nd sentence in the 3rd bullet should be revised to include the words "and Agency approval" added after the words "professional judgment".

Table 6-1. Delete "Unrestricted relevant use during the RI/FS." The term "unrestricted" should be deleted from the table because a usability assessment has not been completed for the revalidated 2004-2009 data and as stated in Task 1.c. of the SOW, "Final approval of the data for these intended uses will be part of the final approval of the RI/FS Work Plan."

Editorial Comments - DQUR

Page iii. Acronyms and Abbreviations. RBSL should be RBCL.

Page iii, Acronyms and Abbreviations. EIS generally means Environmental Impact "Statement." Revise accordingly.

Section 4.3, page 18, 1st paragraph (partial). A word ("made"?) needs to be inserted between *be* and *regarding*.

Section 5.3.1.3, page 29, 4th paragraph (last), line 5. Delete *as*.

Section 5.4.2, page 33,2nd paragraph, line 7. Change *a* to "an."

Part 2 - Data Approval Request (DAR)

Section 2.0, 1st paragraph. Text states "P4 requests that the following data sets be accepted for all data uses during the RI/FS." The DAR should be revised to recognize the following points:

- Reference to "all uses" or "unrestricted use" should be avoided as those terms are ambiguous. The DAR must clarify that datasets have been evaluated relative to DQOs and associated data quality specifications linked to intended use. Ultimately, the RI/FS Work Plan including DQOs and risk assessment planning information will establish specific intended uses for various datasets. It should not be assumed that data that has been validated and is of known quality will be suitable for "all uses" or "unrestricted use."
- For some datasets, only general intended uses have been specified at this point. For other datasets (e.g., 2009 soil and vegetation, elk tissue, and others), more

specific intended uses have been established. Consistent with the SOW, there may be further evaluation of the quality and usability of datasets as intended uses are changed or refined. Final approval of the data for these refined intended uses will be considered during review of the RI/FS Work Plan.

- There are limitations to the uses and interpretations of some historical datasets. For example, there is significant uncertainty surrounding the representativeness for cattle exposure at unreclaimed areas and of elk exposure to the P4 mines. As a result, the A/T agree that these datasets can be included in the RI/FS, however a blanket acceptance of use for all purposes is not warranted. Some of these datasets will only serve to support other lines of evidence and to ground-truth modeling from data of higher certainty. The term "all uses," therefore, should be deleted from the request because it may be misleading and overly general. Please revise the request to express that P4 is requesting that the selected datasets be accepted for use during the RI/FS, consistent with their known limitations, known project needs, and approved use as specified in the final RI/FS Work Plan.

Appendix B Data Quality Assessment – Pre-2004 Data 1999-2000 Elk Tissue Samples – Final

Section 4.1, page 14, 1st bullet. When evaluating human health risk, it also needs to be taken into consideration that in addition to muscle tissue, hunters also consume organs (e.g., heart and liver). This also needs to be taken into consideration and modeled if data are not available for those organs. Since this document (Appendix B) is final, this concept is something that should be carried forward into the risk assessment.

Section 4.1, page 14, 1st full bullet. Regarding ecological risk assessment, another concept that should be carried into the risk assessment that is not addressed in this report is the consumption of elk tissue by other receptors (e.g., birds feeding on elk carrion). Since this document (Appendix B) is final, this concept is something that should be carried forward into the risk assessment.

Attachment E, Table 4.7. Because this document (Appendix B) is final, a change to the document based on the following comment is not required. However, the type of information and revisions identified below should be applied to all pertinent future deliverables (e.g., Risk Assessment Report) where data are interpreted and similar types of information may be instrumental in understanding data representativeness and uncertainties. The comment is as follows:

In regards to the 'Before-the-Fact-Treatment' column, either the footnote or the text of the table needs to identify that the kill locations may not be accurate considering the hunter may have not been forthcoming with his/her hunting area information (no hunter likes to give away their hunting spots), or was not exact on pinpointing the kill location (it's unlikely the hunter had the exact location isolated on a GPS device). So identifying if the kill spot is greater or less than 10 miles from a phosphate mine may not be accurate. It should also be discussed as to how it was ruled out that elk were located greater than or less than 10 miles from any phosphate mine as discussed on page 20 of the elk data report. Was the boundary of every mine put on a map, and then the elk kill

locations overlayed? That would be useful information to provide to support the control versus mine area designation.

Appendix C Pre-2004 Data 1999-2001 Bird Egg Samples Technical Memorandum – Draft Revision 0

Section 4.1, page 16, 1st bullet. Please explain how, if at all, will the bird egg data be used to analyze effects and potential for bioaccumulation, if any, on predators that consume either the birds (either alive or as carrion) or their eggs.

Section 4.1, page 18, Table 2, Step 4. Under 'Spatial Boundaries' #3, there is a discussion of "selected foraging radii." Please describe in the text how the foraging radii for each species was determined.

Section 4.1. page 18, Table 2, Step 4, last paragraph. As stated, P4 does not intend to include data from birds eggs collected downstream of the mines that could have been influenced by other mines. Understandably, P4 is concerned with the issue of source contributions in these areas. However, P4 should also address if it is possible that gradients in the upstream areas near the mines reduce sediment deposition until further downstream. That is, P4 should evaluate if contamination from P4 Mines could be missed by only looking near the site instead of in areas downgradient where natural sediment sinks may be present.

Section 4.2, page 21, Table 3. With regards to action levels, there are likely numerous studies looking at selenium/cadmium in avian eggs. Please explain how the studies provided in this report were selected as the ones to use to develop action levels. Also, please specify if EPA has standard action levels, or sources to obtain those action levels, that they recommend. If so, it may be more appropriate to use these rather than the studies that were selected and presented in this table.

Section 4.2, page 21, Table 3. Promulgated action levels are not available for egg tissues. Considering this, a summary of information obtained from literature reviews and queries of available toxicological databases is necessary for the risk assessment and needs to be used to justify appropriate screening levels or action levels. Additionally, information on differing inter-species sensitivities to COPCs should be provided.

Section 4.2, page 21, Table 3. In the Description of Spatial Coverage there is discussion of locations for bird egg collection. Sampling was conducted during drought years, thus the Ratti (2002) 1998-2001 Avian Reproduction report states ". . . year 2000 data were likely biased and should be viewed with caution." Please describe how that will that be accounted for in the risk assessment.

Appendix D Pre-2004 Data 1999-2000 Cattle Study Data Technical Memorandum – Draft Revision 0

General. The A/T agree that the cattle study is relevant to P4 and that these data should be included as a line of evidence in the risk assessments. However, it should be noted

that risk characterization and management decisions will not be made solely on the results of this study. Differences in reclamation practices, source material, vegetation types and abundance, interspecies variability, etc. are uncertainties not addressed by the cattle study. Additionally, a single study of 15 cattle, exposed for 9 weeks, during one year, and only on reclaimed areas of the Henry Mine limits the use of the cattle data to a supporting line of evidence and/or to ground-truth modeling from abiotic and vegetation data.

Section 4.1, page 16, 2nd bullet. Different ungulates have different feeding strategies (grazers versus browsers). Please explain how this will be accounted for in the risk assessment as intake of COPCs may be different given the different feeding strategies.

Section 4.2. page 19, Table 3. Promulgated action levels are not available for cattle tissue. Considering this, a summary of information obtained from literature reviews and queries of available toxicological databases is necessary for the risk assessment and needs to be used to justify appropriate screening levels or action levels. Additionally, information on differing inter-species sensitivities to COPCs should be provided.

Section 4.2, page 19, Table 3. With regards to Spatial Relevance, what data are available to indicate that cattle data from the Henry Mine are representative of exposure at the Ballard and Enoch Valley Mines given that each reclaimed site is composed of different material with varying concentrations of COPCs?

Appendix E.

For the 2009 vegetation data validation reports, please revise as follows:

- Identify the sample digestion/preparation method in the intro and the title(e.g. sample delivery groups L09070242, L09070242), qualify data if needed.

- Identify whether the Laboratory Control Standard (LCS) sample matrix is vegetation and whether the control limits are for vegetation (e.g. sample delivery groups L09070242, L09070242); qualify as needed.

- Under 'duplicates' and 'spikes' sections, the criteria shown are those for soil and water rather than vegetation (e.g. sample delivery groups L09070242, L09070242). Identify, which criteria were used for evaluation of the vegetation data. Please explain in the reports.

- Under "sample results verification," identify that the MDLs are based on bead study rather than actual matrix. Identify a qualifier/flag as was done for the pre-2009 data for similar issues (e.g. sample delivery groups L09070242, L09070242).