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RESULTS OF THE SITE INVESTIGATION, PHASE II

at the

Paducah Gaseous Diffusion Plant

Paducah, Kentucky

owned and operated by

U.S. Department of Energy

and managed by

Martin Marietta Energy Systems, Inc.

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Volume 4A of 6

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PREFACE

This draft document presents the results of Phase II and summarizes the results of both Phase I and Phase II of the site investigation at the Paducah Gaseous Diffusion Plant in Paducah, Kentucky. The report is presented in five volumes:

Volume 1

Executive Summary
Chapter 1 Introduction
Chapter 2 Summary of Site Investigation Activities
Chapter 3 Physical Characteristics of the Study Area

Volume 2

Chapter 4 Nature and Extent of Contamination
Chapter 5 Contaminant Fate and Transport
Chapter 6 Conclusions
Bibliography

Volume 3 Appendices

Volume 4 Environmental Database Management System

Volume 5 Technical Memoranda

An additional volume will supplement this report and was submitted to EPA and the State of Kentucky December 27, 1991:

Volume 6 Public Health and Ecological Assessment

Under separate cover, an alternatives evaluation report was also submitted to EPA and the State of Kentucky in December, 1991.

The matrix report chemical listing at the beginning of each appendix in this volume lists the analytes in the order they are presented. For some samples, not all analytes were scheduled for analysis. In these cases, such as the groundwater appendices for dioxins/furans and DDT, the corresponding pages in the database have been omitted. Thus only those pages containing actual results are included.

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INTRODUCTION

INTRODUCTION

ANALYTICAL DATABASE

The sample tracking record information included within the database printouts is organized by sample number. For each sample number, the following sample tracking information is included: sampling station; date and time of collection; depth of soil sample; type of sample; and any qualifying remarks.

The analytical data were input to and maintained on the Environmental Database Management System (EDMS) installed on the microcomputer system of CH2M HILL. A full set of output from this database, sorted by matrix type and according to general analyte classification, is presented.

The two categories of analytical data collected during this phase of the site investigation are chemical and radiological. Chemical data include analytical results for organic compounds and inorganic analytes as described on the EPA Target Analyte List (TAL) and Target Compound List (TCL). Radiological analyses include gross alpha and gross beta activity and specific radionuclides.

Chemical data for liquid samples, such as samples of groundwater or surface water, are typically reported by the laboratory as the number of micrograms of the analyte per liter of liquid (μg/l). Chemical data for solid samples, such as samples of soil or sediment, are typically reported as the number of micrograms of the analyte per kilogram of solid (μg/kg). Both 1 μg/l and 1 μg/kg represent one part per billion (ppb). Chemical data can also be reported in milligrams per liter (mg/l) for liquids, and in milligrams per kilogram (mg/kg) for solids. Both 1 mg/l and 1 mg/kg represent one part per million (ppm).

Radiological data for liquid samples are typically reported in picoCuries per liter (pCi/l). For solid samples, data are typically reported in picoCuries per gram (pCi/g). The measurements are of the level of radioactivity in the sample. Radioactivity is determined by how fast the unstable material decays. One pCi is equal to 2.22 disintegrations per minute (dpm). A direct equivalence between radioactivity and chemical concentration can be calculated only on a radionuclide-specific basis. For example, 1 pCi/l of U-235 is roughly equivalent to 0.06 parts per trillion (nanograms per liter or ng/l). In solids, 1 pCi/g of U-235 is roughly equivalent to 59 parts per trillion (ng/kg).

Sample matrices are listed to indicate the type of sample for which the results are reported. Sample matrix codes include:

SB - Subsurface soil
SS - Surface soil/near surface soil

SW - Surface water
GW - groundwater
SD - sediment
AQ - aqueous

Aqueous samples designate blank samples, i.e., travel blanks, equipment rinsate samples, etc.

In the database, radiological results are reported as a value plus or minus (±) another value, which is an error factor. The error factor represents a statistical value that is equal to two standard deviations of the sample's count rate, expressed as activity. The best estimate of the radioactivity in the sample is the reported value. The range of what that value may be, with 95 percent confidence limits, is estimated by adding the error factor to the reported value to obtain the upper limit and by subtracting the error factor from the reported value to obtain the lower limit. For example, if the results are reported as 10 ± 5 pCi/g, the best estimate for the value is 10 pCi/g, and the range of what that value may be, with 95 percent confidence, is 5 to 15 pCi/g.

A system of letters or database "flags" has been incorporated into the tables to enhance data interpretation. These flags are located between the numeric quantitation component and the reporting units in the analyte columns. They have the form of NNN ± XXABCCC where

- N is equal to the numerical quantitation,
- ± XX is the error designation for radiological samples,
- A signifies detected (D) or undetected (U) above the detection limit,
- B designates whether or not a compound has been validated (Y=Yes; N=No), and
- C are the data validation flags applied to that analyte.

A graphical representation is shown in Figure 1.

DATA VALIDATION

Data validation is the systematic process of comparing analytical results with established criteria to provide assurance that the data are adequate for the purpose stated in the work plan. This comparison results in an assessment of the technical soundness of the analytical procedure as implemented by the laboratory. The assessment of validation results is achieved by applying qualifications or flags to the analytical results.

Data validation flags were used for both radiological and chemical data and are included in the environmental database. The qualifiers or flags used for chemical data are as follows:

- Unflagged data. The absence of qualification signifies data of the highest quality attainable by the specific analytical method. The data may be used for any intended purpose.

- J flagged data. This flag indicates that there is some degree of uncertainty associated with the reported results. There are two main reasons for the application of this flag. First, the J flag may indicate that specific QC requirements were not met. Examples of this situation would be a positive result reported for a sample for which the holding time had expired. Another reason for using this flag would be detection of a compound at a concentration lower than the nominal detection limit. A third instance is the application of the J flag to results for gross beta in groundwater samples. Data flagged with a J are estimated and may be used under carefully defined circumstances.

- R flagged data. This flag indicates that data have been rejected for general use because of significant discrepancies found in comparisons between the associated QC data and the prescribed criteria. Examples of this situation would be when the laboratory inorganic control sample for a specific analyte indicates <30% recovery or when sample holding times for volatile organic data have been grossly exceeded.

- B flagged data. For organics, this flag is used when the analyte is found in the associated blank as well as in the sample. This notation indicates possible blank contamination and suggests that the data user carefully evaluate these compounds and their amounts. For inorganics, this flag is used to indicate the element has been detected by the instrument but at levels below the contract-required detection limit. These data are considered estimated but is still useable.

- W flagged data. Indicates post-digestion spike for furnace AA analysis is out of control limits (85-115%), while sample absorbance is less than 50% of spike absorbence.

- E flagged data. Indicates the reported value is estimated because of interference.

- * flagged data. Indicates duplicate analysis is not within control limits.

- N flagged data. Indicates the spike recovery was not within control limits.

- S flagged data. Indicates the reported value was determined by the Method of Standard Additions (MSA).

The qualifiers used for radiological data are as follows:

- Unflagged data. Data may be used for the intended purpose without qualification.

- JC flagged data. This flag is applied to analytes considered "estimated" due to calibration problems. Examples of this are matrix spike or tracer recoveries between 20 and 80 percent or between 120 and 150 percent.

- JW flagged data. This is a special flag used to designate only those samples that received a gross alpha or beta test and the weight on the counting planchet was greater than 100 mg for alpha or 200 mg for beta.

- JQ flagged data. Analytes flagged in this manner represent instances where QC data were not available (spike lost, blank not reported, etc.).

- JA flagged data. This flag pertains to soil samples only. Samples with initial weight of less than 1 gram are flagged in this way to denote the possible low bias in the reported activity.

- JD flagged data. This flag indicates that a detector was subsequently found to be out of calibration for the isotope of interest.

- J flagged data. This is a general flag that was applied when, in the view of the validators, there was evidence of deviation from acceptable limits for specific criteria (e.g., duplicate error terms did not overlap, detection limit criteria not met, raw data illegible).

- RBN flagged data. Analyte rejected due to improper background subtraction and the net reported result is negative. (This flag was separated from the RB flag primarily for in-house use.)

- RB flagged data. Analyte rejected due to improper background subtraction and the net result was positive.

- RQ flagged data. This flag identifies those analytes rejected (primarily Neptunium) that did not have confidence limits (i.e., error statements) reported with the results.

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER - RADIONUCLIDES

SAMPLE ID:	00029
SUB-SAMPLE ID:	00000
STATION ID:	MW027
SAMPLE DATE:	10/19/1989
SAMPLE TIME:	09:50
SAMPLE MATRIX:	GW

GROSS BETA pCi/l 20 + / - 8DYJ

- Sample flags from lab/validation process-- value is estimated
- Validation indicator-- sample has been validated
- Analyte was detected
- Error value (RAD)
- Detected value

Figure 1
EXAMPLE MATRIX REPORT LISTING

PADUCAH GASEOUS DIFFUSION PLANT
PADUCAH, KY.
PHASE II SITE INVESTIGATION

APPENDIX 4A-1
Groundwater: Organics

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:		10001	10002	10003	10004	10005	10006
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW121	MW123	MW125	MW127	MW122	MW124
SAMPLE DATE:		03/25/1991	03/20/1991	03/20/1991	03/20/1991	03/11/1991	03/25/1991
SAMPLE TIME:		14:30	09:15	14:45	09:35	15:15	09:10
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,1,1,2-TETRACHLOROETHANE							
1,1,1-TRICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1,2,2-TETRACHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1,2-TRICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1-DICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1-DICHLOROETHENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,2,3-TRICHLOROPROPANE							
1,2-DIBROMO-3-CHLOROPROPANE							
1,2-DIBROMOETHANE							
1,2-DICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,2-DICHLOROETHENE (TOTAL)	UG/L	5UY	5UY	5UY	5UY	5UY	1DYJ
1,2-DICHLOROPROPANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
2-BUTANONE	UG/L	10UYR	10UY	10UY	10UY	10UY	10UYR
2-CHLORO-1,3-BUTADIENE							
2-HEXANONE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
3-CHLOROPROPENE							
4-METHYL-2-PENTANONE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ACETONE	UG/L	10UYUJ	10UY	10UYUJ	10UYUJ	10UYUJ	15UYUJ
ACETONITRILE							
ACROLEIN							
ACRYLONITRILE							
BENZENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMODICHLOROMETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMOFORM	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMOMETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CARBON DISULFIDE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CARBON TETRACHLORIDE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CHLOROBENZENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CHLOROETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CHLOROFORM	UG/L	5UY	5UY	5UY	5UY	5UY	5UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:		10001	10002	10003	10004	10005	10006
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW121	MW123	MW125	MW127	MW122	MW124
SAMPLE DATE:		03/25/1991	03/20/1991	03/20/1991	03/20/1991	03/11/1991	03/25/1991
SAMPLE TIME:		14:30	09:15	14:45	09:35	15:15	09:10
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
CHLOROMETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CIS-1,3-DICHLOROPROPENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
DIBROMOCHLOROMETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
DIBROMOMETHANE							
DICHLORODIFLUOROMETHANE							
ETHYL CYANIDE							
ETHYLBENZENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
IODOMETHANE							
ISOBUTYL ALCHOHOL							
METHACRYLONITRILE							
METHYLENE CHLORIDE	UG/L	5UY	27DY	6UYUJ	6UYUJ	5UYUJ	5UYUJ
STYRENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TETRACHLOROETHENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TOLUENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TRANS-1,3-DICHLOROPROPENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TRANS-1,4-DICHLORO-2-BUTENE							
TRICHLOROETHENE	UG/L	1UY	5UY	1UY	1UY	1UY	720DYE
TRICHLOROFLUOROMETHANE							
VINYL ACETATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
VINYL CHLORIDE	UG/L	1UY	10UY	1UY	1UY	1UY	1UY
XYLENE (TOTAL)	UG/L	5UY	5UY	5UY	5UY	5UY	5UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:		10007	10008	10009	10010	10011	10012
SUB-SAMPLE ID:		00000	00000	00000	DUP	00000	00000
STATION ID:		MW126	MW128	MW140	MW140	MW141	MW142
SAMPLE DATE:		03/11/1991	03/11/1991	03/14/1991	03/14/1991	03/13/1991	03/14/1991
SAMPLE TIME:		10:20	11:25	11:30	11:30	15:00	08:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,1,1,2-TETRACHLOROETHANE							
1,1,1-TRICHLOROETHANE	UG/L	10UY	5UY	5UY	5UY	5UY	5UY
1,1,2,2-TETRACHLOROETHANE	UG/L	10UY	5UY	5UY	5UY	5UY	5UY
1,1,2-TRICHLOROETHANE	UG/L	10UY	5UY	5UY	5UY	5UY	5UY
1,1-DICHLOROETHANE	UG/L	10UY	5UY	5UY	5UY	5UY	5UY
1,1-DICHLOROETHENE	UG/L	10UY	5UY	5UY	5UY	5UY	5UY
1,2,3-TRICHLOROPROPANE							
1,2-DIBROMO-3-CHLOROPROPANE							
1,2-DIBROMOETHANE							
1,2-DICHLOROETHANE	UG/L	10UY	5UY	5UY	5UY	5UY	5UY
1,2-DICHLOROETHENE (TOTAL)	UG/L	10UY	5UY	5UY	5UY	5UY	5UY
1,2-DICHLOROPROPANE	UG/L	10UY	5UY	5UY	5UY	5UY	5UY
2-BUTANONE	UG/L	20UY	10UY	10UY	10UY	10UY	10UY
2-CHLORO-1,3-BUTADIENE							
2-HEXANONE	UG/L	20UY	10UY	10UY	10UY	10UY	10UY
3-CHLOROPROPENE							
4-METHYL-2-PENTANONE	UG/L	20UY	10UY	10UY	10UY	10UY	10UY
ACETONE	UG/L	10UYUJ	10UY	10UYUJ	10UYUJ	54UYUJ	10UYUJ
ACETONITRILE							
ACROLEIN							
ACRYLONITRILE							
BENZENE	UG/L	10UY	5UY	5UY	5UY	5UY	5UY
BROMODICHLOROMETHANE	UG/L	10UY	5UY	5UY	5UY	5UY	5UY
BROMOFORM	UG/L	10UY	5UY	5UY	5UY	5UY	5UY
BROMOMETHANE	UG/L	20UY	10UY	10UY	10UY	10UY	10UY
CARBON DISULFIDE	UG/L	10UY	5UY	5UY	5UY	5UY	5UY
CARBON TETRACHLORIDE	UG/L	10UY	5UY	5UY	5UY	5UY	5UY
CHLOROBENZENE	UG/L	10UY	5UY	5UY	5UY	5UY	5UY
CHLOROETHANE	UG/L	20UY	10UY	10UY	10UY	10UY	10UY
CHLOROFORM	UG/L	10UY	5UY	5UY	5UY	5UY	5UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:		10007	10008	10009	10010	10011	10012
SUB-SAMPLE ID:		00000	00000	00000	DUP	00000	00000
STATION ID:		MW126	MW128	MW140	MW140	MW141	MW142
SAMPLE DATE:		03/11/1991	03/11/1991	03/14/1991	03/14/1991	03/13/1991	03/14/1991
SAMPLE TIME:		10:20	11:25	11:30	11:30	15:00	08:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
CHLOROMETHANE	UG/L	20UY	10UY	10UY	10UY	10UY	10UY
CIS-1,3-DICHLOROPROPENE	UG/L	10UY	5UY	5UY	5UY	5UY	5UY
DIBROMOCHLOROMETHANE	UG/L	10UY	5UY	5UY	5UY	5UY	5UY
DIBROMOMETHANE							
DICHLORODIFLUOROMETHANE							
ETHYL CYANIDE							
ETHYLBENZENE	UG/L	10UY	5UY	5UY	5UY	5UY	5UY
IODOMETHANE							
ISOBUTYL ALCHOHOL							
METHACRYLONITRILE							
METHYLENE CHLORIDE	UG/L	22UYUJ	5UY	11UYUJ	10UYUJ	5UYUJ	10UYUJ
STYRENE	UG/L	10UY	5UY	5UY	5UY	5UY	5UY
TETRACHLOROETHENE	UG/L	10UY	5UY	5UY	5UY	5UY	5UY
TOLUENE	UG/L	10UY	5UY	5UY	5UY	5UY	5UY
TRANS-1,3-DICHLOROPROPENE	UG/L	10UY	5UY	5UY	5UY	5UY	5UY
TRANS-1,4-DICHLORO-2-BUTENE							
TRICHLOROETHENE	UG/L	200DY	5UY	1UY	1UY	1UY	1UY
TRICHLOROFLUOROMETHANE							
VINYL ACETATE	UG/L	20UY	10UY	10UY	10UY	10UY	10UY
VINYL CHLORIDE	UG/L	2UY	10UY	1UY	1UY	1UY	1UY
XYLENE (TOTAL)	UG/L	10UY	5UY	5UY	5UY	5UY	5UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:		10013	10014	10015	10016	10017	10018
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW143	MW133	MW135	MW137	MW138	MW132
SAMPLE DATE:		03/13/1991	03/01/1991	03/01/1991	03/01/1991	03/13/1991	03/18/1991
SAMPLE TIME:		14:15	15:30	10:00	15:45	09:45	11:00
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,1,1,2-TETRACHLOROETHANE							
1,1,1-TRICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1,2,2-TETRACHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1,2-TRICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1-DICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1-DICHLOROETHENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,2,3-TRICHLOROPROPANE							
1,2-DIBROMO-3-CHLOROPROPANE							
1,2-DIBROMOETHANE							
1,2-DICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,2-DICHLOROETHENE (TOTAL)	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,2-DICHLOROPROPANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
2-BUTANONE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-CHLORO-1,3-BUTADIENE							
2-HEXANONE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
3-CHLOROPROPENE							
4-METHYL-2-PENTANONE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ACETONE	UG/L	10UYUJ	10UYUJ	10UYUJ	10UYUJ	10UYUJ	14UYUJ
ACETONITRILE							
ACROLEIN							
ACRYLONITRILE							
BENZENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMODICHLOROMETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMOFORM	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMOMETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CARBON DISULFIDE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CARBON TETRACHLORIDE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CHLOROBENZENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CHLOROETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CHLOROFORM	UG/L	5UY	5UY	5UY	5UY	5UY	5UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:		10013	10014	10015	10016	10017	10018
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW143	MW133	MW135	MW137	MW138	MW132
SAMPLE DATE:		03/13/1991	03/01/1991	03/01/1991	03/01/1991	03/13/1991	03/18/1991
SAMPLE TIME:		14:15	15:30	10:00	15:45	09:45	11:00
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
CHLOROMETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CIS-1,3-DICHLOROPROPENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
DIBROMOCHLOROMETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
DIBROMOMETHANE							
DICHLORODIFLUOROMETHANE							
ETHYL CYANIDE							
ETHYLBENZENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
IODOMETHANE							
ISOBUTYL ALCHOHOL							
METHACRYLONITRILE							
METHYLENE CHLORIDE	UG/L	5UYUJ	5UYUJ	5UYUJ	5UYUJ	8UYUJ	9UYUJ
STYRENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TETRACHLOROETHENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TOLUENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TRANS-1,3-DICHLOROPROPENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TRANS-1,4-DICHLORO-2-BUTENE							
TRICHLOROETHENE	UG/L	1UY	1UY	1UY	2DY	1UY	1UY
TRICHLOROFLUOROMETHANE							
VINYL ACETATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
VINYL CHLORIDE	UG/L	1UY	1UY	1UY	1UY	1UY	1UY
XYLENE (TOTAL)	UG/L	5UY	5UY	5UY	5UY	5UY	5UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:		10019	10020	10021	10022	10023	10024
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW132	MW139	MW146	MW147	MW134	MW144
SAMPLE DATE:		03/18/1991	03/18/1991	03/15/1991	03/15/1991	03/18/1991	03/05/1991
SAMPLE TIME:		11:00	10:00	08:15	09:15	16:00	16:00
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,1,1,2-TETRACHLOROETHANE							
1,1,1-TRICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1,2,2-TETRACHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1,2-TRICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1-DICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1-DICHLOROETHENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,2,3-TRICHLOROPROPANE							
1,2-DIBROMO-3-CHLOROPROPANE							
1,2-DIBROMOETHANE							
1,2-DICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,2-DICHLOROETHENE (TOTAL)	UG/L	5UY	5UY	5UY	5UY	5UY	17DY
1,2-DICHLOROPROPANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
2-BUTANONE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-CHLORO-1,3-BUTADIENE							
2-HEXANONE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
3-CHLOROPROPENE							
4-METHYL-2-PENTANONE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ACETONE	UG/L	36UYUJ	17UYUJ	11UYUJ	10UYUJ	10UY	10UYUJ
ACETONITRILE							
ACROLEIN							
ACRYLONITRILE							
BENZENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMODICHLOROMETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMOFORM	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMOMETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CARBON DISULFIDE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CARBON TETRACHLORIDE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CHLOROBENZENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CHLOROETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CHLOROFORM	UG/L	5UY	5UY	5UY	5UY	5UY	5UYUJ

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:		10019	10020	10021	10022	10023	10024
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW132	MW139	MW146	MW147	MW134	MW144
SAMPLE DATE:		03/18/1991	03/18/1991	03/15/1991	03/15/1991	03/18/1991	03/05/1991
SAMPLE TIME:		11:00	10:00	08:15	09:15	16:00	16:00
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
CHLOROMETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CIS-1,3-DICHLOROPROPENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
DIBROMOCHLOROMETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
DIBROMOMETHANE							
DICHLORODIFLUOROMETHANE							
ETHYL CYANIDE							
ETHYLBENZENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
IODOMETHANE							
ISOBUTYL ALCHOHOL							
METHACRYLONITRILE							
METHYLENE CHLORIDE	UG/L	7UYUJ	7UYUJ	8UYUJ	7UYUJ	5UY	12UYUJ
STYRENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TETRACHLOROETHENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TOLUENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TRANS-1,3-DICHLOROPROPENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TRANS-1,4-DICHLORO-2-BUTENE							
TRICHLOROETHENE	UG/L	1UY	1UY	3DY	1DY	190DY	260DYE
TRICHLOROFLUOROMETHANE							
VINYL ACETATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
VINYL CHLORIDE	UG/L	1UY	1UY	1UY	1UY	10UY	1UY
XYLENE (TOTAL)	UG/L	5UY	5UY	5UY	5UY	5UY	5UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:		10025	10027	10028	10029	10030	10031
SUB-SAMPLE ID:		00000	00000	DUP	00000	00000	00000
STATION ID:		MW145	MW148	MW148	MW149	MW150	MW151
SAMPLE DATE:		03/07/1991	03/19/1991	03/19/1991	03/19/1991	03/21/1991	03/22/1991
SAMPLE TIME:		16:25	15:00	15:00	14:25	14:35	13:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,1,1,2-TETRACHLOROETHANE							
1,1,1-TRICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1,2,2-TETRACHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1,2-TRICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1-DICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1-DICHLOROETHENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,2,3-TRICHLOROPROPANE							
1,2-DIBROMO-3-CHLOROPROPANE							
1,2-DIBROMOETHANE							
1,2-DICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,2-DICHLOROETHENE (TOTAL)	UG/L	13DY	5UY	5UY	5UY	5UY	5UY
1,2-DICHLOROPROPANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
2-BUTANONE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-CHLORO-1,3-BUTADIENE							
2-HEXANONE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
3-CHLOROPROPENE							
4-METHYL-2-PENTANONE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ACETONE	UG/L	10UYUJ	14UYUJ	10UYUJ	10UYUJ	10UYUJ	10UYUJ
ACETONITRILE							
ACROLEIN							
ACRYLONITRILE							
BENZENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMODICHLOROMETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMOFORM	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMOMETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CARBON DISULFIDE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CARBON TETRACHLORIDE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CHLOROBENZENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CHLOROETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CHLOROFORM	UG/L	1UYUJ	5UYUJ	5UY	5UY	5UY	5UY

Data Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:		10025	10027	10028	10029	10030	10031
SUB-SAMPLE ID:		00000	00000	DUP	00000	00000	00000
STATION ID:		MW145	MW148	MW148	MW149	MW150	MW151
SAMPLE DATE:		03/07/1991	03/19/1991	03/19/1991	03/19/1991	03/21/1991	03/22/1991
SAMPLE TIME:		16:25	15:00	15:00	14:25	14:35	13:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
CHLOROMETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CIS-1,3-DICHLOROPROPENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
DIBROMOCHLOROMETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
DIBROMOMETHANE							
DICHLORODIFLUOROMETHANE							
ETHYL CYANIDE							
ETHYLBENZENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
IODOMETHANE							
ISOBUTYL ALCHOHOL							
METHACRYLONITRILE							
METHYLENE CHLORIDE	UG/L	5UYUJ	14UYUJ	7UYUJ	6UYUJ	5UYUJ	6UYUJ
STYRENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TETRACHLOROETHENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TOLUENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TRANS-1,3-DICHLOROPROPENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TRANS-1,4-DICHLORO-2-BUTENE							
TRICHLOROETHENE	UG/L	300DYD	7DY	6DY	1UY	1UY	1UY
TRICHLOROFLUOROMETHANE							
VINYL ACETATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
VINYL CHLORIDE	UG/L	1UY	1UY	1UY	1UY	1UY	1UY
XYLENE (TOTAL)	UG/L	5UY	5UY	5UY	5UY	5UY	5UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:		10032	10033	10034	10036	10037	10038
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW152	MW153	MW154	RW297	RW004	RW005
SAMPLE DATE:		03/21/1991	03/21/1991	04/02/1991	03/15/1991	03/04/1991	03/07/1991
SAMPLE TIME:		10:15		15:25	15:15	09:40	09:00
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,1,1,2-TETRACHLOROETHANE							
1,1,1-TRICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	10UY	5UY
1,1,2,2-TETRACHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	10UY	5UY
1,1,2-TRICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	10UY	5UY
1,1-DICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	10UY	5UY
1,1-DICHLOROETHENE	UG/L	5UY	5UY	5UY	5UY	10UY	5UY
1,2,3-TRICHLOROPROPANE							
1,2-DIBROMO-3-CHLOROPROPANE							
1,2-DIBROMOETHANE							
1,2-DICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	10UY	5UY
1,2-DICHLOROETHENE (TOTAL)	UG/L	5UY	5UY	5UY	5UY	5DYJ	5UY
1,2-DICHLOROPROPANE	UG/L	5UY	5UY	5UY	5UY	10UY	5UY
2-BUTANONE	UG/L	10UY	10UY	10UY	10UY	20UY	10UY
2-CHLORO-1,3-BUTADIENE							
2-HEXANONE	UG/L	10UY	10UY	10UY	10UY	20UY	10UY
3-CHLOROPROPENE							
4-METHYL-2-PENTANONE	UG/L	10UY	10UY	10UY	10UY	20UY	10UY
ACETONE	UG/L	10UYUJ	10UY	10UY	16DYJ	10UYUJ	31UYUJ
ACETONITRILE							
ACROLEIN							
ACRYLONITRILE							
BENZENE	UG/L	5UY	5UY	5UY	5UY	10UY	5UY
BROMODICHLOROMETHANE	UG/L	5UY	5UY	5UY	5UY	10UY	5UY
BROMOFORM	UG/L	5UY	5UY	5UY	5UY	10UY	5UY
BROMOMETHANE	UG/L	10UY	10UY	10UY	10UY	20UY	10UY
CARBON DISULFIDE	UG/L	5UY	5UY	5UY	5UY	10UY	5UY
CARBON TETRACHLORIDE	UG/L	5UY	5UY	5UY	5UY	10UY	5UY
CHLOROBENZENE	UG/L	5UY	5UY	5UY	5UY	10UY	5UY
CHLOROETHANE	UG/L	10UY	10UY	10UY	10UY	20UY	10UY
CHLOROFORM	UG/L	5UY	5UY	5UY	5UY	10UY	5UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:		10032	10033	10034	10036	10037	10038
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW152	MW153	MW154	RW297	RW004	RW005
SAMPLE DATE:		03/21/1991	03/21/1991	04/02/1991	03/15/1991	03/04/1991	03/07/1991
SAMPLE TIME:		10:15		15:25	15:15	09:40	09:00
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
CHLOROMETHANE	UG/L	10UY	10UY	10UY	10UY	20UY	10UY
CIS-1,3-DICHLOROPROPENE	UG/L	5UY	5UY	5UY	5UY	10UY	5UY
DIBROMOCHLOROMETHANE	UG/L	5UY	5UY	5UY	5UY	10UY	5UY
DIBROMOMETHANE							
DICHLORODIFLUOROMETHANE							
ETHYL CYANIDE							
ETHYLBENZENE	UG/L	5UY	5UY	5UY	5UY	10UY	5UY
IODOMETHANE							
ISOBUTYL ALCHOHOL							
METHACRYLONITRILE							
METHYLENE CHLORIDE	UG/L	5UYUJ	5UY	5UY	7UYJB	31UYUJ	6UYUJ
STYRENE	UG/L	5UY	5UY	5UY	5UY	10UY	5UY
TETRACHLOROETHENE	UG/L	5UY	5UY	5UY	5UY	10UY	5UY
TOLUENE	UG/L	5UY	5UY	5UY	5UY	10UY	5UY
TRANS-1,3-DICHLOROPROPENE	UG/L	5UY	5UY	5UY	5UY	10UY	5UY
TRANS-1,4-DICHLORO-2-BUTENE							
TRICHLOROETHENE	UG/L	1DYJ	5UY	60DYR	5UY	280DY	1UY
TRICHLOROFLUOROMETHANE							
VINYL ACETATE	UG/L	10UY	10UY	10UY	10UY	20UY	10UY
VINYL CHLORIDE	UG/L	1UY	10UY	10UY	10UY	2UY	1UY
XYLENE (TOTAL)	UG/L	5UY	5UY	5UY	5UY	10UY	5UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:		10039	10040	10041	10042	10043	10044
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		RW009	RW014	RW017	RW018	RW021	RW030
SAMPLE DATE:		03/04/1991	03/04/1991	03/08/1991	03/04/1991	03/05/1991	03/08/1991
SAMPLE TIME:		15:00	13:37	14:30	11:20	09:45	11:00
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,1,1,2-TETRACHLOROETHANE							
1,1,1-TRICHLOROETHANE	UG/L	5UY	5UY	20UY	5UY	5UY	5UY
1,1,2,2-TETRACHLOROETHANE	UG/L	5UY	5UY	20UY	5UY	5UY	5UY
1,1,2-TRICHLOROETHANE	UG/L	5UY	5UY	20UY	5UY	5UY	5UY
1,1-DICHLOROETHANE	UG/L	5UY	5UY	20UY	5UY	5UY	5UY
1,1-DICHLOROETHENE	UG/L	5UY	5UY	20UY	5UY	5UY	5UY
1,2,3-TRICHLOROPROPANE							
1,2-DIBROMO-3-CHLOROPROPANE							
1,2-DIBROMOETHANE							
1,2-DICHLOROETHANE	UG/L	5UY	5UY	20UY	5UY	5UY	5UY
1,2-DICHLOROETHENE (TOTAL)	UG/L	5UY	5UY	20UY	5UY	5UY	5UY
1,2-DICHLOROPROPANE	UG/L	5UY	5UY	20UY	5UY	5UY	5UY
2-BUTANONE	UG/L	10UY	10UY	40UY	10UY	10UY	10UY
2-CHLORO-1,3-BUTADIENE							
2-HEXANONE	UG/L	10UY	10UY	40UY	10UY	10UY	10UY
3-CHLOROPROPENE							
4-METHYL-2-PENTANONE	UG/L	10UY	10UY	40UY	10UY	10UY	10UY
ACETONE	UG/L	10UYUJ	10UYUJ	40UYUJ	10UYUJ	10UYUJ	10UY
ACETONITRILE							
ACROLEIN							
ACRYLONITRILE							
BENZENE	UG/L	5UY	5UY	20UY	5UY	5UY	5UY
BROMODICHLOROMETHANE	UG/L	5UY	5UY	20UY	5UY	5UY	5UY
BROMOFORM	UG/L	5UY	5UY	20UY	5UY	5UY	5UY
BROMOMETHANE	UG/L	10UY	10UY	40UY	10UY	10UY	10UY
CARBON DISULFIDE	UG/L	5UY	5UY	20UY	5UY	5UY	5UY
CARBON TETRACHLORIDE	UG/L	5UY	5UY	20UY	5UY	5UY	5UY
CHLOROBENZENE	UG/L	5UY	5UY	20UY	5UY	5UY	5UY
CHLOROETHANE	UG/L	10UY	10UY	40UY	10UY	10UY	10UY
CHLOROFORM	UG/L	5UY	5UY	20UY	5UY	5UY	5UY

)ata Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:		10039	10040	10041	10042	10043	10044
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		RW009	RW014	RW017	RW018	RW021	RW030
SAMPLE DATE:		03/04/1991	03/04/1991	03/08/1991	03/04/1991	03/05/1991	03/08/1991
SAMPLE TIME:		15:00	13:37	14:30	11:20	09:45	11:00
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
CHLOROMETHANE	UG/L	10UY	10UY	40UY	10UY	10UY	10UY
CIS-1,3-DICHLOROPROPENE	UG/L	5UY	5UY	20UY	5UY	5UY	5UY
DIBROMOCHLOROMETHANE	UG/L	5UY	5UY	20UY	5UY	5UY	5UY
DIBROMOMETHANE							
DICHLORODIFLUOROMETHANE							
ETHYL CYANIDE							
ETHYLBENZENE	UG/L	5UY	5UY	20UY	5UY	5UY	5UY
IODOMETHANE							
ISOBUTYL ALCHOHOL							
METHACRYLONITRILE							
METHYLENE CHLORIDE	UG/L	9UYUJ	9UYUJ	59UYUJ	12UYUJ	13UYUJ	11UYUJ
STYRENE	UG/L	5UY	5UY	20UY	5UY	5UY	5UY
TETRACHLOROETHENE	UG/L	5UY	5UY	20UY	5UY	5UY	5UY
TOLUENE	UG/L	5UY	5UY	20UY	5UY	5UY	5UY
TRANS-1,3-DICHLOROPROPENE	UG/L	5UY	5UY	20UY	5UY	5UY	5UY
TRANS-1,4-DICHLORO-2-BUTENE							
TRICHLOROETHENE	UG/L	1UY	1UY	330DY	5DY	1UY	1UY
TRICHLOROFLUOROMETHANE							
VINYL ACETATE	UG/L	10UY	10UY	40UY	10UY	10UY	10UY
VINYL CHLORIDE	UG/L	1UY	1UY	4UY	1UY	1UY	1UY
XYLENE (TOTAL)	UG/L	5UY	5UY	20UY	5UY	5UY	5UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:		10045	10046	10047	10048	10049	10050
SUB-SAMPLE ID:		00000	00000	DUP	00000	00000	00000
STATION ID:		RW040	RW053	RW053	RW251	RW252	RW324
SAMPLE DATE:		03/08/1991	03/05/1991	03/05/1991	03/15/1991	03/05/1991	03/05/1991
SAMPLE TIME:		09:45	10:45	10:50	08:45	08:15	13:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,1,1,2-TETRACHLOROETHANE							
1,1,1-TRICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1,2,2-TETRACHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1,2-TRICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1-DICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1-DICHLOROETHENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,2,3-TRICHLOROPROPANE							
1,2-DIBROMO-3-CHLOROPROPANE							
1,2-DIBROMOETHANE							
1,2-DICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,2-DICHLOROETHENE (TOTAL)	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,2-DICHLOROPROPANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
2-BUTANONE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-CHLORO-1,3-BUTADIENE							
2-HEXANONE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
3-CHLOROPROPENE							
4-METHYL-2-PENTANONE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ACETONE	UG/L	10UY	10UYUJ	10UYUJ	13UYUJ	28UYUJ	13UYUJ
ACETONITRILE							
ACROLEIN							
ACRYLONITRILE							
BENZENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMODICHLOROMETHANE	UG/L	5UY	5UY	5UY	5UY	7DY	5UY
BROMOFORM	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMOMETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CARBON DISULFIDE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CARBON TETRACHLORIDE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CHLOROBENZENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CHLOROETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CHLOROFORM	UG/L	5UY	5UY	5UY	5UY	46DYJB	5UY

Data Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:		10045	10046	10047	10048	10049	10050
SUB-SAMPLE ID:		00000	00000	DUP	00000	00000	00000
STATION ID:		RW040	RW053	RW053	RW251	RW252	RW324
SAMPLE DATE:		03/08/1991	03/05/1991	03/05/1991	03/15/1991	03/05/1991	03/05/1991
SAMPLE TIME:		09:45	10:45	10:50	08:45	08:15	13:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
CHLOROMETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CIS-1,3-DICHLOROPROPENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
DIBROMOCHLOROMETHANE	UG/L	5UY	5UY	5UY	5UY	1DYJ	5UY
DIBROMOMETHANE							
DICHLORODIFLUOROMETHANE							
ETHYL CYANIDE							
ETHYLBENZENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
IODOMETHANE							
ISOBUTYL ALCHOHOL							
METHACRYLONITRILE							
METHYLENE CHLORIDE	UG/L	12UYUJ	10UYUJ	9UYUJ	11UYUJ	11UYUJ	12UYUJ
STYRENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TETRACHLOROETHENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TOLUENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TRANS-1,3-DICHLOROPROPENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TRANS-1,4-DICHLORO-2-BUTENE							
TRICHLOROETHENE	UG/L	1UY	1UY	1UY	1UY	1UY	1UY
TRICHLOROFLUOROMETHANE							
VINYL ACETATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
VINYL CHLORIDE	UG/L	1UY	1UY	1UY	1UY	1UY	1UY
XYLENE (TOTAL)	UG/L	5UY	5UY	5UY	5UY	5UY	5UY

Data Format: value + detected flag + validated flag + qualifiers

DMS CHEMICAL OBSERVATIONS MATRIX
ROUNDWATER
ADUCAH PHASE II
AMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:		10051	10052	10053	10054	10056	10058
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		RW294	MWD003	MWD004	MWD005	MWD009	MWD014
SAMPLE DATE:		03/04/1991	03/05/1991	03/04/1991	03/05/1991	03/07/1991	03/06/1991
SAMPLE TIME:		14:25	16:45	15:30	09:05	10:30	09:30
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,1,1,2-TETRACHLOROETHANE							
1,1,1-TRICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1,2,2-TETRACHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1,2-TRICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1-DICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1-DICHLOROETHENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,2,3-TRICHLOROPROPANE							
1,2-DIBROMO-3-CHLOROPROPANE							
1,2-DIBROMOETHANE							
1,2-DICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,2-DICHLOROETHENE (TOTAL)	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,2-DICHLOROPROPANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
2-BUTANONE	UG/L	10UY	10UY	10UY	10UY	10UY	10UYR
2-CHLORO-1,3-BUTADIENE							
2-HEXANONE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
3-CHLOROPROPENE							
4-METHYL-2-PENTANONE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ACETONE	UG/L	10UYUJ	21UYUJ	10UYUJ	11UYUJ	38DYJ	10UY
ACETONITRILE							
ACROLEIN							
ACRYLONITRILE							
BENZENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMODICHLOROMETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMOFORM	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMOMETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CARBON DISULFIDE	UG/L	5UY	5UY	5UY	5UY	5UY	5UYUJ
CARBON TETRACHLORIDE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CHLOROBENZENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CHLOROETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CHLOROFORM	UG/L	5UY	5UY	5UY	5UY	5UY	5UY

ata Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:		10051	10052	10053	10054	10056	10058
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		RW294	MWD003	MWD004	MWD005	MWD009	MWD014
SAMPLE DATE:		03/04/1991	03/05/1991	03/04/1991	03/05/1991	03/07/1991	03/06/1991
SAMPLE TIME:		14:25	16:45	15:30	09:05	10:30	09:30
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
CHLOROMETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CIS-1,3-DICHLOROPROPENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
DIBROMOCHLOROMETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
DIBROMOMETHANE							
DICHLORODIFLUOROMETHANE							
ETHYL CYANIDE							
ETHYLBENZENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
IODOMETHANE							
ISOBUTYL ALCHOHOL							
METHACRYLONITRILE							
METHYLENE CHLORIDE	UG/L	9UYUJ	12UYUJ	10UYUJ	12UYUJ	6UYUJ	48UYUJ
STYRENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TETRACHLOROETHENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TOLUENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TRANS-1,3-DICHLOROPROPENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TRANS-1,4-DICHLORO-2-BUTENE							
TRICHLOROETHENE	UG/L	1UY	1UY	2DY	1UY	1UY	1DY
TRICHLOROFLUOROMETHANE							
VINYL ACETATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
VINYL CHLORIDE	UG/L	1UY	1UY	1UY	1UY	1UY	1UY
XYLENE (TOTAL)	UG/L	5UY	5UY	5UY	5UY	5UY	5UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:		10059	10060	10061	10062	10063	10064
SUB-SAMPLE ID:		DUP	00000	00000	00000	00000	00000
STATION ID:		MWD014	MWD017	MWD019	MWD024	MWD025	MWD027
SAMPLE DATE:		03/06/1991	03/04/1991	03/05/1991	03/06/1991	03/06/1991	03/06/1991
SAMPLE TIME:		09:45	10:05	11:30	14:55	09:30	16:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,1,1,2-TETRACHLOROETHANE							
1,1,1-TRICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1,2,2-TETRACHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1,2-TRICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1-DICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1-DICHLOROETHENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,2,3-TRICHLOROPROPANE							
1,2-DIBROMO-3-CHLOROPROPANE							
1,2-DIBROMOETHANE							
1,2-DICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,2-DICHLOROETHENE (TOTAL)	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,2-DICHLOROPROPANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
2-BUTANONE	UG/L	10UY	10UY	10UY	10UYR	10UYR	10UYR
2-CHLORO-1,3-BUTADIENE							
2-HEXANONE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
3-CHLOROPROPENE							
4-METHYL-2-PENTANONE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ACETONE	UG/L	10UYUJ	10UYUJ	23UYUJ	10UY	18UYUJ	10UYUJ
ACETONITRILE							
ACROLEIN							
ACRYLONITRILE							
BENZENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMODICHLOROMETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMOFORM	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMOMETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CARBON DISULFIDE	UG/L	5UY	5UY	5UY	5UYUJ	5UY	5UY
CARBON TETRACHLORIDE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CHLOROBENZENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CHLOROETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CHLOROFORM	UG/L	5UY	5UY	5UY	5UY	5UY	5UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:		10059	10060	10061	10062	10063	10064
SUB-SAMPLE ID:		DUP	00000	00000	00000	00000	00000
STATION ID:		MWD014	MWD017	MWD019	MWD024	MWD025	MWD027
SAMPLE DATE:		03/06/1991	03/04/1991	03/05/1991	03/06/1991	03/06/1991	03/06/1991
SAMPLE TIME:		09:45	10:05	11:30	14:55	09:30	16:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
CHLOROMETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CIS-1,3-DICHLOROPROPENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
DIBROMOCHLOROMETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
DIBROMOMETHANE							
DICHLORODIFLUOROMETHANE							
ETHYL CYANIDE							
ETHYLBENZENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
IODOMETHANE							
ISOBUTYL ALCHOHOL							
METHACRYLONITRILE							
METHYLENE CHLORIDE	UG/L	5UYUJ	9UYUJ	12UYUJ	7UYUJ	5UYUJ	5UYUJ
STYRENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TETRACHLOROETHENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TOLUENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TRANS-1,3-DICHLOROPROPENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TRANS-1,4-DICHLORO-2-BUTENE							
TRICHLOROETHENE	UG/L	1DY	1UY	1DY	1UY	1DY	1DY
TRICHLOROFLUOROMETHANE							
VINYL ACETATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
VINYL CHLORIDE	UG/L	1UY	1UY	1UY	1UY	1UY	1UY
XYLENE (TOTAL)	UG/L	5UY	5UY	5UY	5UY	5UY	5UY

Data Format: value + detected flag + validated flag + qualifiers

DMS CHEMICAL OBSERVATIONS MATRIX
ROUNDWATER
ADUCAH PHASE II
AMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:		10065	10066	10067	10068	10069	10070
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		RW043	RW247	MW007	MW012	MW021	MW022
SAMPLE DATE:		03/07/1991	03/07/1991	04/02/1991	03/26/1991	03/26/1991	03/29/1991
SAMPLE TIME:		14:15	16:00	11:00	11:30	15:45	12:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,1,1,2-TETRACHLOROETHANE							
1,1,1-TRICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1,2,2-TETRACHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1,2-TRICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1-DICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1-DICHLOROETHENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,2,3-TRICHLOROPROPANE							
1,2-DIBROMO-3-CHLOROPROPANE							
1,2-DIBROMOETHANE							
1,2-DICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,2-DICHLOROETHENE (TOTAL)	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,2-DICHLOROPROPANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
2-BUTANONE	UG/L	10UY	10UY	10UYR	10UY	10UY	10UY
2-CHLORO-1,3-BUTADIENE							
2-HEXANONE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
3-CHLOROPROPENE							
4-METHYL-2-PENTANONE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ACETONE	UG/L	10UYUJ	10UYUJ	10UYUJ	10UYUJ	10UY	10UYUJ
ACETONITRILE							
ACROLEIN							
ACRYLONITRILE							
BENZENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMODICHLOROMETHANE	UG/L	5UY	3DYJ	5UY	5UY	5UY	5UY
BROMOFORM	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMOMETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CARBON DISULFIDE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CARBON TETRACHLORIDE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CHLOROBENZENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CHLOROETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CHLOROFORM	UG/L	5UY	12UYUJ	5UY	5UY	5UY	5UY

ata Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:		10065	10066	10067	10068	10069	10070
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		RW043	RW247	MW007	MW012	MW021	MW022
SAMPLE DATE:		03/07/1991	03/07/1991	04/02/1991	03/26/1991	03/26/1991	03/29/1991
SAMPLE TIME:		14:15	16:00	11:00	11:30	15:45	12:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
CHLOROMETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CIS-1,3-DICHLOROPROPENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
DIBROMOCHLOROMETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
DIBROMOMETHANE							
DICHLORODIFLUOROMETHANE							
ETHYL CYANIDE							
ETHYLBENZENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
IODOMETHANE							
ISOBUTYL ALCHOHOL							
METHACRYLONITRILE							
METHYLENE CHLORIDE	UG/L	5UYUJ	5UYUJ	13UYUJ	5UYUJ	5UY	5UYUJ
STYRENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TETRACHLOROETHENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TOLUENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TRANS-1,3-DICHLOROPROPENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TRANS-1,4-DICHLORO-2-BUTENE							
TRICHLOROETHENE	UG/L	1UY	1UY	1UYUJ	1UY	5UY	34DY
TRICHLOROFLUOROMETHANE							
VINYL ACETATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
VINYL CHLORIDE	UG/L	1UY	1UY	1UY	1UY	10UY	1UY
XYLENE (TOTAL)	UG/L	5UY	5UY	5UY	5UY	5UY	5UY

)ata Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:		10071	10072	10073	10074	10075	10076
SUB-SAMPLE ID:		00000	00000	00000	DUP	00000	00000
STATION ID:		MW038	MW041	MW042	MW042	MW043	MW044
SAMPLE DATE:		04/04/1991	04/04/1991	04/04/1991	04/04/1991	04/24/1991	04/04/1991
SAMPLE TIME:		14:20	15:05	10:50	10:50	11:45	16:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,1,1,2-TETRACHLOROETHANE							
1,1,1-TRICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1,2,2-TETRACHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1,2-TRICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1-DICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1-DICHLOROETHENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,2,3-TRICHLOROPROPANE							
1,2-DIBROMO-3-CHLOROPROPANE							
1,2-DIBROMOETHANE							
1,2-DICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,2-DICHLOROETHENE (TOTAL)	UG/L	1DYJ	5UY	5UY	5UY	5UY	5UY
1,2-DICHLOROPROPANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
2-BUTANONE	UG/L	10UYR	10UY	10UY	10UY	10UY	10UY
2-CHLORO-1,3-BUTADIENE							
2-HEXANONE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
3-CHLOROPROPENE							
4-METHYL-2-PENTANONE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ACETONE	UG/L	31UYUJ	10UYUJ	10UYUJ	10UYUJ	10UY	10UY
ACETONITRILE							
ACROLEIN							
ACRYLONITRILE							
BENZENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMODICHLOROMETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMOFORM	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMOMETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CARBON DISULFIDE	UG/L	5UY	5UY	5UY	5UY	1DYJ	5UY
CARBON TETRACHLORIDE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CHLOROBENZENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CHLOROETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CHLOROFORM	UG/L	5UY	5UY	5UY	5UY	5UY	5UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:		10071	10072	10073	10074	10075	10076
SUB-SAMPLE ID:		00000	00000	00000	DUP	00000	00000
STATION ID:		MW038	MW041	MW042	MW042	MW043	MW044
SAMPLE DATE:		04/04/1991	04/04/1991	04/04/1991	04/04/1991	04/24/1991	04/04/1991
SAMPLE TIME:		14:20	15:05	10:50	10:50	11:45	16:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
CHLOROMETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CIS-1,3-DICHLOROPROPENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
DIBROMOCHLOROMETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
DIBROMOMETHANE							
DICHLORODIFLUOROMETHANE							
ETHYL CYANIDE							
ETHYLBENZENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
IODOMETHANE							
ISOBUTYL ALCHOHOL							
METHACRYLONITRILE							
METHYLENE CHLORIDE	UG/L	5UYUJ	5UYUJ	6UYUJ	7UYUJ	9UYJB	6UYUJ
STYRENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TETRACHLOROETHENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TOLUENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TRANS-1,3-DICHLOROPROPENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TRANS-1,4-DICHLORO-2-BUTENE							
TRICHLOROETHENE	UG/L	4DYJ	17DY	1UY	1UY	1UY	20DY
TRICHLOROFLUOROMETHANE							
VINYL ACETATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
VINYL CHLORIDE	UG/L	1UY	1UY	1UY	1UY	1UY	1UY
XYLENE (TOTAL)	UG/L	5UY	5UY	5UY	5UY	5UY	5UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:		10077	10078	10082	10083	10084	10085
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW048	MW049	MW053	MW054	MW063	MW064
SAMPLE DATE:		04/03/1991	04/03/1991	04/23/1991	04/24/1991	03/08/1991	03/12/1991
SAMPLE TIME:		14:50	15:00	14:45	09:25	14:35	09:00
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,1,1,2-TETRACHLOROETHANE							
1,1,1-TRICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1,2,2-TETRACHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1,2-TRICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1-DICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1-DICHLOROETHENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,2,3-TRICHLOROPROPANE							
1,2-DIBROMO-3-CHLOROPROPANE							
1,2-DIBROMOETHANE							
1,2-DICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,2-DICHLOROETHENE (TOTAL)	UG/L	5UY	1DY	5UY	5UY	5UY	5UY
1,2-DICHLOROPROPANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
2-BUTANONE	UG/L	10UYR	10UYR	10UY	10UY	10UY	10UY
2-CHLORO-1,3-BUTADIENE							
2-HEXANONE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
3-CHLOROPROPENE							
4-METHYL-2-PENTANONE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ACETONE	UG/L	22UYUJ	29UYUJ	10UY	10UYJ	10UY	10UYUJ
ACETONITRILE							
ACROLEIN							
ACRYLONITRILE							
BENZENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMODICHLOROMETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMOFORM	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMOMETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CARBON DISULFIDE	UG/L	5UY	5DY	5UY	2DYJ	5UY	5UY
CARBON TETRACHLORIDE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CHLOROBENZENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CHLOROETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CHLOROFORM	UG/L	5UY	5UY	5UY	5UY	5UY	5UYUJ

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:		10077	10078	10082	10083	10084	10085
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW048	MW049	MW053	MW054	MW063	MW064
SAMPLE DATE:		04/03/1991	04/03/1991	04/23/1991	04/24/1991	03/08/1991	03/12/1991
SAMPLE TIME:		14:50	15:00	14:45	09:25	14:35	09:00
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
CHLOROMETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CIS-1,3-DICHLOROPROPENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
DIBROMOCHLOROMETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
DIBROMOMETHANE							
DICHLORODIFLUOROMETHANE							
ETHYL CYANIDE							
ETHYLBENZENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
IODOMETHANE							
ISOBUTYL ALCHOHOL							
METHACRYLONITRILE							
METHYLENE CHLORIDE	UG/L	5UYUJ	8UYUJ	17UYUJ	8UYJB	14UYUJ	5UYUJ
STYRENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TETRACHLOROETHENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TOLUENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TRANS-1,3-DICHLOROPROPENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TRANS-1,4-DICHLORO-2-BUTENE							
TRICHLOROETHENE	UG/L	1UY	5DYJ	1UY	2DY	1UY	1UY
TRICHLOROFLUOROMETHANE							
VINYL ACETATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
VINYL CHLORIDE	UG/L	1UY	1UY	1UY	1UY	1UY	1UY
XYLENE (TOTAL)	UG/L	5UY	5UY	5UY	5UY	5UY	5UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:		10086	10087	10088	10089	10090	10091
SUB-SAMPLE ID:		00000	00000	00000	DUP	00000	00000
STATION ID:		MW065	MW066	MW067	MW067	MW068	MW074
SAMPLE DATE:		03/08/1991	03/11/1991	03/11/1991	03/11/1991	03/14/1991	03/25/1991
SAMPLE TIME:		14:20	16:00	12:00	12:15	11:15	14:30
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,1,1,2-TETRACHLOROETHANE							
1,1,1-TRICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1,2,2-TETRACHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1,2-TRICHLOROETHANE	UG/L	5UY	1DYJ	5UY	5UY	5UY	5UY
1,1-DICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1-DICHLOROETHENE	UG/L	5UY	1DYJ	5UY	5UY	5UY	5UY
1,2,3-TRICHLOROPROPANE							
1,2-DIBROMO-3-CHLOROPROPANE							
1,2-DIBROMOETHANE							
1,2-DICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,2-DICHLOROETHENE (TOTAL)	UG/L	5UY	14DY	5UY	5UY	5UY	5UY
1,2-DICHLOROPROPANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
2-BUTANONE	UG/L	10UY	10UYR	10UY	10UY	10UYR	10UYR
2-CHLORO-1,3-BUTADIENE							
2-HEXANONE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
3-CHLOROPROPENE							
4-METHYL-2-PENTANONE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ACETONE	UG/L	10UYUJ	10UY	10UYUJ	10UYUJ	10UY	10UYUJ
ACETONITRILE							
ACROLEIN							
ACRYLONITRILE							
BENZENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMODICHLOROMETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMOFORM	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMOMETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CARBON DISULFIDE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CARBON TETRACHLORIDE	UG/L	5UY	19DY	5UY	5UY	5UY	5UY
CHLOROBENZENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CHLOROETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CHLOROFORM	UG/L	5UY	5UYUJ	5UY	5UY	5UY	5UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:		10086	10087	10088	10089	10090	10091
SUB-SAMPLE ID:		00000	00000	00000	DUP	00000	00000
STATION ID:		MW065	MW066	MW067	MW067	MW068	MW074
SAMPLE DATE:		03/08/1991	03/11/1991	03/11/1991	03/11/1991	03/14/1991	03/25/1991
SAMPLE TIME:		14:20	16:00	12:00	12:15	11:15	14:30
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
CHLOROMETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CIS-1,3-DICHLOROPROPENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
DIBROMOCHLOROMETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
DIBROMOMETHANE							
DICHLORODIFLUOROMETHANE							
ETHYL CYANIDE							
ETHYLBENZENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
IODOMETHANE							
ISOBUTYL ALCHOHOL							
METHACRYLONITRILE							
METHYLENE CHLORIDE	UG/L	6DYUJ	19UYUJ	6UYUJ	5UYUJ	52UYJB	5UYUJ
STYRENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TETRACHLOROETHENE	UG/L	5UY	7DY	5UY	5UY	5UY	5UY
TOLUENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TRANS-1,3-DICHLOROPROPENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TRANS-1,4-DICHLORO-2-BUTENE							
TRICHLOROETHENE	UG/L	1UY	3700DY	1UY	1UY	23DY	1UY
TRICHLOROFLUOROMETHANE							
VINYL ACETATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
VINYL CHLORIDE	UG/L	1UY	1UY	1UY	1UY	1UY	1UY
XYLENE (TOTAL)	UG/L	5UY	5UY	5UY	5UY	5UY	5UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:	10092	10092	10093	10094	10095	10096
SUB-SAMPLE ID:	00000	DUP	00000	00000	DUP	00000
STATION ID:	MW084	MW084	MW085	MW086	MW086	MW087
SAMPLE DATE:	03/19/1991	03/19/1991	03/12/1991	03/19/1991	03/19/1991	03/20/1991
SAMPLE TIME:	15:20	15:20	16:00	11:00	11:30	12:00
SAMPLE MATRIX:	GW	GW	GW	GW	GW	GW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
1,1,1,2-TETRACHLOROETHANE UG/L	10UY		10UY	10UY		10UY
1,1,1-TRICHLOROETHANE UG/L	5UY		5UY	5UY	5UY	5UY
1,1,2,2-TETRACHLOROETHANE UG/L	5UY		5UY	5UY	5UY	5UY
1,1,2-TRICHLOROETHANE UG/L	5UY		5UY	5UY	5UY	5UY
1,1-DICHLOROETHANE UG/L	5UY		5UY	5UY	5UY	5UY
1,1-DICHLOROETHENE UG/L	5UY		5UY	5UY	5UY	5UY
1,2,3-TRICHLOROPROPANE UG/L	10UY		10UY	10UY		10UY
1,2-DIBROMO-3-CHLOROPROPANE UG/L	50UY		50UY	50UY		20UY
1,2-DIBROMOETHANE UG/L	20UY		20UY	20UY		20UY
1,2-DICHLOROETHANE UG/L	5UY		5UY	5UY	5UY	5UY
1,2-DICHLOROETHENE (TOTAL) UG/L	5UY		5UY	5UY	5UY	5UY
1,2-DICHLOROPROPANE UG/L	5UY		5UY	5UY	5UY	5UY
2-BUTANONE UG/L	10UY		10UY	10UY	10UY	10UYR
2-CHLORO-1,3-BUTADIENE UG/L	100UY		100UY	100UY		100UY
2-HEXANONE UG/L	10UY		10UY	10UY	10UY	10UY
3-CHLOROPROPENE UG/L	10UY		10UY	10UY		20UY
4-METHYL-2-PENTANONE UG/L	10UY		10UY	10UY	10UY	10UY
ACETONE UG/L	10UY		10UY	10UY	10UYUJ	10UY
ACETONITRILE UG/L	250UY		250UY	250UY		20UY
ACROLEIN UG/L	500UY		500UY	500UY		10UY
ACRYLONITRILE UG/L	50UY		50UY	50UY		10UY
BENZENE UG/L	5UY		5UY	5UY	5UY	5UY
BROMODICHLOROMETHANE UG/L	5UY		5UY	5UY	5UY	5UY
BROMOFORM UG/L	5UY		5UY	5UY	5UY	5UY
BROMOMETHANE UG/L	10UY		10UY	10UY	10UY	10UY
CARBON DISULFIDE UG/L	5UY		5UY	5UY	5UY	5UY
CARBON TETRACHLORIDE UG/L	5UY		5UY	5UY	5UY	5UY
CHLOROBENZENE UG/L	5UY		5UY	5UY	5UY	5UY
CHLOROETHANE UG/L	10UY		10UY	10UY	10UY	10UY
CHLOROFORM UG/L	5UY		5UY	5UY	5UY	5UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:		10092	10092	10093	10094	10095	10096
SUB-SAMPLE ID:		00000	DUP	00000	00000	DUP	00000
STATION ID:		MW084	MW084	MW085	MW086	MW086	MW087
SAMPLE DATE:		03/19/1991	03/19/1991	03/12/1991	03/19/1991	03/19/1991	03/20/1991
SAMPLE TIME:		15:20	15:20	16:00	11:00	11:30	12:00
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
CHLOROMETHANE	UG/L	10UY		10UY	180DYJ	10UY	10UY
CIS-1,3-DICHLOROPROPENE	UG/L	5UY		5UY	5UY	5UY	5UY
DIBROMOCHLOROMETHANE	UG/L	5UY		5UY	5UY	5UY	5UY
DIBROMOMETHANE	UG/L	20UY		20UY	20UY		10UY
DICHLORODIFLUOROMETHANE	UG/L	20UY		20UY	20UY		10UY
ETHYL CYANIDE	UG/L	50UY		50UY	50UY		50UY
ETHYLBENZENE	UG/L	5UY		5UY	5UY	5UY	5UY
IODOMETHANE	UG/L	10UY		10UY	10UY		10UY
ISOBUTYL ALCHOHOL	UG/L	2000UY		2000UY	2000UY		20UY
METHACRYLONITRILE	UG/L	20UY		20UY	20UY		20UY
METHYLENE CHLORIDE	UG/L	5UY		5UY	5UY	6UYUJ	6UYBJ
STYRENE	UG/L	5UY		5UY	5UY	5UY	5UY
TETRACHLOROETHENE	UG/L	5UY		5UY	5UY	5UY	5UY
TOLUENE	UG/L	5UY		5UY	5UY	5UY	5UY
TRANS-1,3-DICHLOROPROPENE	UG/L	5UY		5UY	5UY	5UY	5UY
TRANS-1,4-DICHLORO-2-BUTENE	UG/L	20UY		20UY	20UY		50UY
TRICHLOROETHENE	UG/L	5UY		5UY	5UY	1UY	5UY
TRICHLOROFLUOROMETHANE	UG/L	20UY		20UY	20UY		5UY
VINYL ACETATE	UG/L	10UY		10UY	10UY	10UY	10UY
VINYL CHLORIDE	UG/L	10UY		10UY	10UY	1UY	10UY
XYLENE (TOTAL)	UG/L	5UY		5UY	5UY	5UY	5UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:		10097	10098	10099	10100	10100	10101
SUB-SAMPLE ID:		00000	DUP	00000	00000	RE	00000
STATION ID:		MW088	MW088	MW089	MW090	MW090	MW091
SAMPLE DATE:		03/20/1991	03/20/1991	03/20/1991	03/21/1991	03/21/1991	03/21/1991
SAMPLE TIME:		15:45	16:00	15:00	09:45	09:45	10:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,1,1,2-TETRACHLOROETHANE	UG/L	10UY		10UY	10UY		10UY
1,1,1-TRICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY		5UY
1,1,2,2-TETRACHLOROETHANE	UG/L	5UY	5UY	5UY	5UY		5UY
1,1,2-TRICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY		5UY
1,1-DICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY		5UY
1,1-DICHLOROETHENE	UG/L	5UY	5UY	5UY	5UY		5UY
1,2,3-TRICHLOROPROPANE	UG/L	10UY		10UY	10UY		10UY
1,2-DIBROMO-3-CHLOROPROPANE	UG/L	20UY		20UY	20UY		50UY
1,2-DIBROMOETHANE	UG/L	20UY		20UY	20UY		20UY
1,2-DICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY		5UY
1,2-DICHLOROETHENE (TOTAL)	UG/L	5UY	5UY	5UY	5UY		5UY
1,2-DICHLOROPROPANE	UG/L	5UY	5UY	5UY	5UY		5UY
2-BUTANONE	UG/L	10UYR	10UYR	10UYR	10UYR		10UY
2-CHLORO-1,3-BUTADIENE	UG/L	100UY		100UY	100UY		100UY
2-HEXANONE	UG/L	10UY	10UY	10UY	10UY		10UY
3-CHLOROPROPENE	UG/L	20UY		20UY	20UY		10UY
4-METHYL-2-PENTANONE	UG/L	10UY	10UY	10UY	10UY		10UY
ACETONE	UG/L	10UY	10UY	10UYJB	10UY		10UY
ACETONITRILE	UG/L	20UY		20UY	20UY		250UY
ACROLEIN	UG/L	10UY		10UY	10UY		500UY
ACRYLONITRILE	UG/L	10UY		10UY	10UY		50UY
BENZENE	UG/L	5UY	5UY	5UY	5UY		5UY
BROMODICHLOROMETHANE	UG/L	5UY	5UY	5UY	5UY		5UY
BROMOFORM	UG/L	5UY	5UY	5UY	5UY		5UY
BROMOMETHANE	UG/L	10UY	10UY	10UY	10UY		10UY
CARBON DISULFIDE	UG/L	5UY	5UY	5UY	5UY		5UY
CARBON TETRACHLORIDE	UG/L	5UY	5UY	5UY	5UY		5UY
CHLOROBENZENE	UG/L	5UY	5UY	5UY	5UY		5UY
CHLOROETHANE	UG/L	10UY	10UY	10UY	10UY		10UY
CHLOROFORM	UG/L	5UY	5UY	5UY	5UY		5UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:		10097	10098	10099	10100	10100	10101
SUB-SAMPLE ID:		00000	DUP	00000	00000	RE	00000
STATION ID:		MW088	MW088	MW089	MW090	MW090	MW091
SAMPLE DATE:		03/20/1991	03/20/1991	03/20/1991	03/21/1991	03/21/1991	03/21/1991
SAMPLE TIME:		15:45	16:00	15:00	09:45	09:45	10:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
CHLOROMETHANE	UG/L	10UY	10UY	10UY	10UY		10UY
CIS-1,3-DICHLOROPROPENE	UG/L	5UY	5UY	5UY	5UY		5UY
DIBROMOCHLOROMETHANE	UG/L	5UY	5UY	5UY	5UY		5UY
DIBROMOMETHANE	UG/L	10UY		10UY	10UY		20UY
DICHLORODIFLUOROMETHANE	UG/L	10UY		10UY	2DYJ		20UY
ETHYL CYANIDE	UG/L	50UY		50UY	50UY		50UY
ETHYLBENZENE	UG/L	5UY	5UY	5UY	5UY		5UY
IODOMETHANE	UG/L	10UY		10UY	10UY		10UY
ISOBUTYL ALCOHOL	UG/L	20UY		20UY	20UY		2000UY
METHACRYLONITRILE	UG/L	20UY		20UY	20UY		20UY
METHYLENE CHLORIDE	UG/L	7UYBJ	55UYJB	14UYBJ	38UYJB		5UY
STYRENE	UG/L	5UY	5UY	5UY	5UY		5UY
TETRACHLOROETHENE	UG/L	5UY	5UY	5UY	5UY		5UY
TOLUENE	UG/L	5UY	5UY	5UY	5UY		5UY
TRANS-1,3-DICHLOROPROPENE	UG/L	5UY	5UY	5UY	5UY		5UY
TRANS-1,4-DICHLORO-2-BUTENE	UG/L	50UY		50UY	50UY		20UY
TRICHLOROETHENE	UG/L	270DY	310DY	5UY	2DYJ		5DY
TRICHLOROFLUOROMETHANE	UG/L	5UY		5UY	5UY		20UY
VINYL ACETATE	UG/L	10UY	10UY	10UY	10UY		10UY
VINYL CHLORIDE	UG/L	10UY	1UY	10UY	10UY		10UY
XYLENE (TOTAL)	UG/L	5UY	5UY	5UY	5UY		5UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:	10102	10102	10103	10104	10105	10105
SUB-SAMPLE ID:	00000	RE	00000	DUP	00000	RE
STATION ID:	MW092	MW092	MW093	MW093	MW094	MW094
SAMPLE DATE:	03/21/1991	03/21/1991	03/22/1991	03/22/1991	03/21/1991	03/21/1991
SAMPLE TIME:	10:45	10:45	13:40	13:50	16:30	16:30
SAMPLE MATRIX:	GW	GW	GW	GW	GW	GW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
1,1,1,2-TETRACHLOROETHANE UG/L	10UY		10UY		10UY	
1,1,1-TRICHLOROETHANE UG/L	5UY		5UY	5UY	5UY	
1,1,2,2-TETRACHLOROETHANE UG/L	5UY		5UY	5UY	5UY	
1,1,2-TRICHLOROETHANE UG/L	5UY		5UY	5UY	5UY	
1,1-DICHLOROETHANE UG/L	5UY		5UY	5UY	5UY	
1,1-DICHLOROETHENE UG/L	5UY		5UY	5UY	5UY	
1,2,3-TRICHLOROPROPANE UG/L	10UY		10UY		10UY	
1,2-DIBROMO-3-CHLOROPROPANE UG/L	20UY		50UY		20UY	
1,2-DIBROMOETHANE UG/L	20UY		20UY		20UY	
1,2-DICHLOROETHANE UG/L	5UY		5UY	5UY	5UY	
1,2-DICHLOROETHENE (TOTAL) UG/L	5UY		5UY	5UY	5UY	
1,2-DICHLOROPROPANE UG/L	5UY		5UY	5UY	5UY	
2-BUTANONE UG/L	10UYR		10UY	10UY	10UYR	
2-CHLORO-1,3-BUTADIENE UG/L	100UY		100UY		100UY	
2-HEXANONE UG/L	10UY		10UY	10UY	10UY	
3-CHLOROPROPENE UG/L	20UY		10UY		20UY	
4-METHYL-2-PENTANONE UG/L	10UY		10UY	10UY	10UY	
ACETONE UG/L	10UY		10UY	11UYUJ	10UY	
ACETONITRILE UG/L	20UY		250UY		20UY	
ACROLEIN UG/L	10UY		500UY		10UY	
ACRYLONITRILE UG/L	10UY		50UY		10UY	
BENZENE UG/L	5UY		5UY	5UY	5UY	
BROMODICHLOROMETHANE UG/L	5UY		5UY	5UY	5UY	
BROMOFORM UG/L	5UY		5UY	5UY	5UY	
BROMOMETHANE UG/L	10UY		10UY	10UY	10UY	
CARBON DISULFIDE UG/L	5UY		5UY	5UY	5UY	
CARBON TETRACHLORIDE UG/L	5UY		5UY	5UY	5UY	
CHLOROBENZENE UG/L	5UY		5UY	5UY	5UY	
CHLOROETHANE UG/L	10UY		10UY	10UY	10UY	
CHLOROFORM UG/L	5UY		5UY	5UY	5UY	

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:		10102	10102	10103	10104	10105	10105
SUB-SAMPLE ID:		00000	RE	00000	DUP	00000	RE
STATION ID:		MW092	MW092	MW093	MW093	MW094	MW094
SAMPLE DATE:		03/21/1991	03/21/1991	03/22/1991	03/22/1991	03/21/1991	03/21/1991
SAMPLE TIME:		10:45	10:45	13:40	13:50	16:30	16:30
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
CHLOROMETHANE	UG/L	10UY		10UY	10UY	10UY	
CIS-1,3-DICHLOROPROPENE	UG/L	5UY		5UY	5UY	5UY	
DIBROMOCHLOROMETHANE	UG/L	5UY		5UY	5UY	5UY	
DIBROMOMETHANE	UG/L	10UY		20UY		10UY	
DICHLORODIFLUOROMETHANE	UG/L	2DYJ		20UY		2DYJ	
ETHYL CYANIDE	UG/L	50UY		50UY		50UY	
ETHYLBENZENE	UG/L	5UY		5UY	5UY	5UY	
IODOMETHANE	UG/L	10UY		10UY		10UY	
ISOBUTYL ALCOHOL	UG/L	20UY		2000UY		20UY	
METHACRYLONITRILE	UG/L	20UY		20UY		20UY	
METHYLENE CHLORIDE	UG/L	33UYJB		5UY	6UYUJ	34UYJB	
STYRENE	UG/L	5UY		5UY	5UY	5UY	
TETRACHLOROETHENE	UG/L	5UY		5UY	5UY	5UY	
TOLUENE	UG/L	5UY		5UY	5UY	5UY	
TRANS-1,3-DICHLOROPROPENE	UG/L	5UY		5UY	5UY	5UY	
TRANS-1,4-DICHLORO-2-BUTENE	UG/L	50UY		20UY		50UY	
TRICHLOROETHENE	UG/L	5UY		5UY	1UY	49DY	
TRICHLOROFLUOROMETHANE	UG/L	5UY		20UY		5UY	
VINYL ACETATE	UG/L	10UY		10UY	10UY	10UY	
VINYL CHLORIDE	UG/L	10UY		10UY	1UY	10UY	
XYLENE (TOTAL)	UG/L	5UY		5UY	5UY	5UY	

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:		10106	10106	10107	10108	10109	10110
SUB-SAMPLE ID:		00000	RE	00000	00000	00000	00000
STATION ID:		MW095	MW095	MW120	MW130	MW131	MW129
SAMPLE DATE:		03/21/1991	03/21/1991	02/28/1991	02/28/1991	02/28/1991	02/28/1991
SAMPLE TIME:		16:25	16:25	09:45	10:05	09:15	10:45
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,1,1,2-TETRACHLOROETHANE	UG/L	10UY					
1,1,1-TRICHLOROETHANE	UG/L	5UY		5UY	5UY	5UY	5UY
1,1,2,2-TETRACHLOROETHANE	UG/L	5UY		5UY	5UY	5UY	5UY
1,1,2-TRICHLOROETHANE	UG/L	5UY		5UY	5UY	5UY	5UY
1,1-DICHLOROETHANE	UG/L	5UY		5UY	5UY	5UY	5UY
1,1-DICHLOROETHENE	UG/L	5UY		5UY	5UY	5UY	5UY
1,2,3-TRICHLOROPROPANE	UG/L	10UY					
1,2-DIBROMO-3-CHLOROPROPANE	UG/L	20UY					
1,2-DIBROMOETHANE	UG/L	20UY					
1,2-DICHLOROETHANE	UG/L	5UY		5UY	5UY	5UY	5UY
1,2-DICHLOROETHENE (TOTAL)	UG/L	5UY		5UY	5UY	5UY	5UY
1,2-DICHLOROPROPANE	UG/L	5UY		5UY	5UY	5UY	5UY
2-BUTANONE	UG/L	10UYR		10UY	10UY	10UY	10UY
2-CHLORO-1,3-BUTADIENE	UG/L	100UY					
2-HEXANONE	UG/L	10UY		10UY	10UY	10UY	10UY
3-CHLOROPROPENE	UG/L	20UY					
4-METHYL-2-PENTANONE	UG/L	10UY		10UY	10UY	10UY	10UY
ACETONE	UG/L	10UY		10UYUJ	22UYUJ	10UYUJ	10UYUJ
ACETONITRILE	UG/L	20UY					
ACROLEIN	UG/L	10UY					
ACRYLONITRILE	UG/L	10UY					
BENZENE	UG/L	5UY		5UY	5UY	5UY	5UY
BROMODICHLOROMETHANE	UG/L	5UY		5UY	5UY	5UY	5UY
BROMOFORM	UG/L	5UY		5UY	5UY	5UY	5UY
BROMOMETHANE	UG/L	10UY		10UY	10UY	10UY	10UY
CARBON DISULFIDE	UG/L	5UY		5UY	5UY	5UY	5UY
CARBON TETRACHLORIDE	UG/L	5UY		5UY	5UY	5UY	5UY
CHLOROBENZENE	UG/L	5UY		5UY	5UY	5UY	5UY
CHLOROETHANE	UG/L	10UY		10UY	10UY	10UY	10UY
CHLOROFORM	UG/L	5UY		5UY	5UY	5UY	5UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:		10106	10106	10107	10108	10109	10110
SUB-SAMPLE ID:		00000	RE	00000	00000	00000	00000
STATION ID:		MW095	MW095	MW120	MW130	MW131	MW129
SAMPLE DATE:		03/21/1991	03/21/1991	02/28/1991	02/28/1991	02/28/1991	02/28/1991
SAMPLE TIME:		16:25	16:25	09:45	10:05	09:15	10:45
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
CHLOROMETHANE	UG/L	10UY		10UY	10UY	10UY	10UY
CIS-1,3-DICHLOROPROPENE	UG/L	5UY		5UY	5UY	5UY	5UY
DIBROMOCHLOROMETHANE	UG/L	5UY		5UY	5UY	5UY	5UY
DIBROMOMETHANE	UG/L	10UY					
DICHLORODIFLUOROMETHANE	UG/L	10UY					
ETHYL CYANIDE	UG/L	50UY					
ETHYLBENZENE	UG/L	5UY		5UY	5UY	5UY	5UY
IODOMETHANE	UG/L	10UY					
ISOBUTYL ALCHOHOL	UG/L	20UY					
METHACRYLONITRILE	UG/L	20UY					
METHYLENE CHLORIDE	UG/L	13UYJB		5UYUJ	5UYUJ	5UYUJ	5UYUJ
STYRENE	UG/L	5UY		5UY	5UY	5UY	5UY
TETRACHLOROETHENE	UG/L	5UY		5UY	5UY	5UY	5UY
TOLUENE	UG/L	5UY		5UY	5UY	5UY	5UY
TRANS-1,3-DICHLOROPROPENE	UG/L	5UY		5UY	5UY	5UY	5UY
TRANS-1,4-DICHLORO-2-BUTENE	UG/L	50UY					
TRICHLOROETHENE	UG/L	5UY		1UY	1UY	1UY	1UY
TRICHLOROFLUOROMETHANE	UG/L	5UY					
VINYL ACETATE	UG/L	10UY		10UY	10UY	10UY	10UY
VINYL CHLORIDE	UG/L	10UY		1UY	1UY	1UY	1UY
XYLENE (TOTAL)	UG/L	5UY		5UY	5UY	5UY	5UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:		10111	10112	10113	10114	10115	10116
SUB-SAMPLE ID:		00000	00000	00000	00000	DUP	00000
STATION ID:		MW155	MW156	MW157	MW158	MW158	MW159
SAMPLE DATE:		03/13/1991	03/15/1991	03/15/1991	03/28/1991	03/28/1991	03/14/1991
SAMPLE TIME:		15:30	10:10	10:45	14:15	14:15	16:00
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,1,1,2-TETRACHLOROETHANE							
1,1,1-TRICHLOROETHANE	UG/L	5UY	10000UY	8DYJ	5UY	5UY	5UY
1,1,2,2-TETRACHLOROETHANE	UG/L	5UY	10000UY	5UY	5UY	5UY	5UY
1,1,2-TRICHLOROETHANE	UG/L	1DYJ	10000UY	230DYJ	5UY	5UY	5UY
1,1-DICHLOROETHANE	UG/L	5UY	10000UY	5UY	5UY	5UY	5UY
1,1-DICHLOROETHENE	UG/L	5UY	10000UY	4DYJ	5UY	5UY	5UY
1,2,3-TRICHLOROPROPANE							
1,2-DIBROMO-3-CHLOROPROPANE							
1,2-DIBROMOETHANE							
1,2-DICHLOROETHANE	UG/L	5UY	10000UY	5UY	5UY	5UY	5UY
1,2-DICHLOROETHENE (TOTAL)	UG/L	5UY	10000UY	550DYJ	4DYJ	3DYJ	5UY
1,2-DICHLOROPROPANE	UG/L	5UY	10000UY	5UY	5UY	5UY	5UY
2-BUTANONE	UG/L	10UY	20000UYR	10UY	10UYR	10UY	10UY
2-CHLORO-1,3-BUTADIENE							
2-HEXANONE	UG/L	10UY	20000UY	10UY	10UY	10UY	10UY
3-CHLOROPROPENE							
4-METHYL-2-PENTANONE	UG/L	10UY	20000UY	10UY	10UY	10UY	10UY
ACETONE	UG/L	10UY	20000UYUJ	10UY	10UY	10UY	10UYUJ
ACETONITRILE							
ACROLEIN							
ACRYLONITRILE							
BENZENE	UG/L	5UY	10000UY	5UY	5UY	5UY	5UY
BROMODICHLOROMETHANE	UG/L	5UY	10000UY	5DYJ	5UY	5UY	5UY
BROMOFORM	UG/L	5UY	10000UY	5UY	5UY	5UY	5UY
BROMOMETHANE	UG/L	10UY	20000UY	10UY	10UY	10UY	10UY
CARBON DISULFIDE	UG/L	5UY	10000UY	5UY	5UY	5UY	5UY
CARBON TETRACHLORIDE	UG/L	10DY	10000UY	21DYJ	5UY	5UY	5UY
CHLOROBENZENE	UG/L	5UY	10000UY	5UY	5UY	5UY	5UY
CHLOROETHANE	UG/L	10UY	20000UY	10UY	10UY	10UY	10UY
CHLOROFORM	UG/L	5UY	10000UYUJ	7UYJ	5UY	5UY	5UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:		10111	10112	10113	10114	10115	10116
SUB-SAMPLE ID:		00000	00000	00000	00000	DUP	00000
STATION ID:		MW155	MW156	MW157	MW158	MW158	MW159
SAMPLE DATE:		03/13/1991	03/15/1991	03/15/1991	03/28/1991	03/28/1991	03/14/1991
SAMPLE TIME:		15:30	10:10	10:45	14:15	14:15	16:00
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
CHLOROMETHANE	UG/L	10UY	20000UY	10UY	10UY	10UY	10UY
CIS-1,3-DICHLOROPROPENE	UG/L	5UY	10000UY	5UY	5UY	5UY	5UY
DIBROMOCHLOROMETHANE	UG/L	5UY	10000UY	5UY	5UY	5UY	5UY
DIBROMOMETHANE							
DICHLORODIFLUOROMETHANE							
ETHYL CYANIDE							
ETHYLBENZENE	UG/L	5UY	10000UY	5UY	5UY	5UY	5UY
IODOMETHANE							
ISOBUTYL ALCHOHOL							
METHACRYLONITRILE							
METHYLENE CHLORIDE	UG/L	5UY	10000UY	10UYJB	28UYJB	5UYUJ	7UYUJ
STYRENE	UG/L	5UY	10000UY	5UY	5UY	5UY	5UY
TETRACHLOROETHENE	UG/L	190DY	10000UY	240DYJ	5UY	5UY	5UY
TOLUENE	UG/L	5UY	10000UY	2DYJ	5UY	5UY	5UY
TRANS-1,3-DICHLOROPROPENE	UG/L	5UY	10000UY	5UY	5UY	5UY	5UY
TRANS-1,4-DICHLORO-2-BUTENE							
TRICHLOROETHENE	UG/L	2000DYJ	360000DY*	890000DYJ	8DY	8DY	120DY
TRICHLOROFLUOROMETHANE							
VINYL ACETATE	UG/L	10UY	20000UY	10UY	10UY	10UY	10UY
VINYL CHLORIDE	UG/L	10UY	2000UY	10UY	1UY	1UY	1UY
XYLENE (TOTAL)	UG/L	5UY	10000UY	5DYJ	5UY	5UY	5UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:		10117	10118	10119	10120	10121	10122
SUB-SAMPLE ID:		00000	00000	00000	DUP	00000	00000
STATION ID:		MW160	MW161	MW162	MW162	MW163	MW164
SAMPLE DATE:		04/01/1991	03/28/1991	03/27/1991	03/27/1991	03/20/1991	03/21/1991
SAMPLE TIME:		15:50	10:30	14:45	14:45	16:30	10:10
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,1,1,2-TETRACHLOROETHANE							
1,1,1-TRICHLOROETHANE	UG/L	5UY	2DYJ	6DYJ	5DY	5UY	5UY
1,1,2,2-TETRACHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1,2-TRICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1-DICHLOROETHANE	UG/L	5UY	5UY	2DYJ	2DYJ	5UY	5UY
1,1-DICHLOROETHENE	UG/L	5UY	6DY	6DY	5DY	5UY	5UY
1,2,3-TRICHLOROPROPANE							
1,2-DIBROMO-3-CHLOROPROPANE							
1,2-DIBROMOETHANE							
1,2-DICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,2-DICHLOROETHENE (TOTAL)	UG/L	5UY	15DY	34DY	33DY	5DY	5UY
1,2-DICHLOROPROPANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
2-BUTANONE	UG/L	10UY	10UYR	10UYR	10UYR	10UY	10UY
2-CHLORO-1,3-BUTADIENE							
2-HEXANONE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
3-CHLOROPROPENE							
4-METHYL-2-PENTANONE	UG/L	10UY	10UY	3DYJ	10UY	10UY	10UY
ACETONE	UG/L	33DYJ	10UY	5UYJB	10UY	10UYUJ	13UYUJ
ACETONITRILE							
ACROLEIN							
ACRYLONITRILE							
BENZENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMODICHLOROMETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMOFORM	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMOMETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CARBON DISULFIDE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CARBON TETRACHLORIDE	UG/L	4DYJ	5UY	5UY	5UY	5UY	5UY
CHLOROBENZENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CHLOROETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CHLOROFORM	UG/L	5UY	5UY	5UY	5UY	5UY	5UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:		10117	10118	10119	10120	10121	10122
SUB-SAMPLE ID:		00000	00000	00000	DUP	00000	00000
STATION ID:		MW160	MW161	MW162	MW162	MW163	MW164
SAMPLE DATE:		04/01/1991	03/28/1991	03/27/1991	03/27/1991	03/20/1991	03/21/1991
SAMPLE TIME:		15:50	10:30	14:45	14:45	16:30	10:10
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
CHLOROMETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CIS-1,3-DICHLOROPROPENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
DIBROMOCHLOROMETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
DIBROMOMETHANE							
DICHLORODIFLUOROMETHANE							
ETHYL CYANIDE							
ETHYLBENZENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
IODOMETHANE							
ISOBUTYL ALCHOHOL							
METHACRYLONITRILE							
METHYLENE CHLORIDE	UG/L	5UY	25UYJB	8UYJB	27UYJB	6UYUJ	5UYUJ
STYRENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TETRACHLOROETHENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TOLUENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TRANS-1,3-DICHLOROPROPENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TRANS-1,4-DICHLORO-2-BUTENE							
TRICHLOROETHENE	UG/L	46000DYD	560DYD	130DY	120DY	95DYJ	1UY
TRICHLOROFLUOROMETHANE							
VINYL ACETATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
VINYL CHLORIDE	UG/L	10UY	1UY	1UY	1DY	1UY	1UY
XYLENE (TOTAL)	UG/L	5UY	5UY	5UY	5UY	5UY	5UY

Data Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:		10123	10124	10125	10126	10127	10128
SUB-SAMPLE ID:		00000	00000	00000	DUP	00000	00000
STATION ID:		MW165	MW166	MW167	MW185	MW168	MW169
SAMPLE DATE:		03/20/1991	03/20/1991	03/25/1991	03/26/1991	03/21/1991	03/25/1991
SAMPLE TIME:		11:10	14:30	11:30	15:00	14:55	16:20
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,1,1,2-TETRACHLOROETHANE							
1,1,1-TRICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1,2,2-TETRACHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1,2-TRICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1-DICHLOROETHANE	UG/L	5UY	5UY	5UY	8DYJ	5UY	5UY
1,1-DICHLOROETHENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,2,3-TRICHLOROPROPANE							
1,2-DIBROMO-3-CHLOROPROPANE							
1,2-DIBROMOETHANE							
1,2-DICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,2-DICHLOROETHENE (TOTAL)	UG/L	5UY	5UY	5UY	97DYJ	5UY	5UY
1,2-DICHLOROPROPANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
2-BUTANONE	UG/L	10UY	10UYR	10UYR	10UYR	10UY	10UYR
2-CHLORO-1,3-BUTADIENE							
2-HEXANONE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
3-CHLOROPROPENE							
4-METHYL-2-PENTANONE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ACETONE	UG/L	10UYUJ	69UYJB	10UYUJ	10UY	10UY	10UYUJ
ACETONITRILE							
ACROLEIN							
ACRYLONITRILE							
BENZENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMODICHLOROMETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMOFORM	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMOMETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CARBON DISULFIDE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CARBON TETRACHLORIDE	UG/L	5UY	5UY	5UY	7DYJ	5UY	5UY
CHLOROBENZENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CHLOROETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CHLOROFORM	UG/L	3DYJ	23DY	5UY	5UY	5UY	5UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:		10123	10124	10125	10126	10127	10128
SUB-SAMPLE ID:		00000	00000	00000	DUP	00000	00000
STATION ID:		MW165	MW166	MW167	MW185	MW168	MW169
SAMPLE DATE:		03/20/1991	03/20/1991	03/25/1991	03/26/1991	03/21/1991	03/25/1991
SAMPLE TIME:		11:10	14:30	11:30	15:00	14:55	16:20
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
CHLOROMETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CIS-1,3-DICHLOROPROPENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
DIBROMOCHLOROMETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
DIBROMOMETHANE							
DICHLORODIFLUOROMETHANE							
ETHYL CYANIDE							
ETHYLBENZENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
IODOMETHANE							
ISOBUTYL ALCHOHOL							
METHACRYLONITRILE							
METHYLENE CHLORIDE	UG/L	6UYUJ	8UYJB	5UY	5UY	5UY	5UYUJ
STYRENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TETRACHLOROETHENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TOLUENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TRANS-1,3-DICHLOROPROPENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TRANS-1,4-DICHLORO-2-BUTENE							
TRICHLOROETHENE	UG/L	1UY	2DY	1UY	1500DYJE	73DY	1UY
TRICHLOROFLUOROMETHANE							
VINYL ACETATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
VINYL CHLORIDE	UG/L	1UY	1UY	1UY	10UY	10UY	1UY
XYLENE (TOTAL)	UG/L	5UY	5UY	5UY	5UY	5UY	5UY

Data Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:		10129	10130	10131	10132	10133	10134
SUB-SAMPLE ID:		DUP	00000	00000	00000	00000	00000
STATION ID:		MW169	MW170	MW171	MW172	MW173	MW174
SAMPLE DATE:		03/25/1991	03/25/1991	03/19/1991	03/26/1991	03/26/1991	03/27/1991
SAMPLE TIME:		16:20	15:20	16:15	13:45	16:30	09:00
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,1,1,2-TETRACHLOROETHANE							
1,1,1-TRICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1,2,2-TETRACHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1,2-TRICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1-DICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1-DICHLOROETHENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,2,3-TRICHLOROPROPANE							
1,2-DIBROMO-3-CHLOROPROPANE							
1,2-DIBROMOETHANE							
1,2-DICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,2-DICHLOROETHENE (TOTAL)	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,2-DICHLOROPROPANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
2-BUTANONE	UG/L	10UYR	10UYR	10UYR	10UY	10UY	10UY
2-CHLORO-1,3-BUTADIENE							
2-HEXANONE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
3-CHLOROPROPENE							
4-METHYL-2-PENTANONE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ACETONE	UG/L	10UYUJ	25UYUJ	10UY	10UYUJ	10UYUJ	10UY
ACETONITRILE							
ACROLEIN							
ACRYLONITRILE							
BENZENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMODICHLOROMETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMOFORM	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMOMETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CARBON DISULFIDE	UG/L	5UY	5UY	5UY	5UY	5UY	3DYJ
CARBON TETRACHLORIDE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CHLOROBENZENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CHLOROETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CHLOROFORM	UG/L	5UY	5UY	5UY	5UY	5UY	5UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:		10129	10130	10131	10132	10133	10134
SUB-SAMPLE ID:		DUP	00000	00000	00000	00000	00000
STATION ID:		MW169	MW170	MW171	MW172	MW173	MW174
SAMPLE DATE:		03/25/1991	03/25/1991	03/19/1991	03/26/1991	03/26/1991	03/27/1991
SAMPLE TIME:		16:20	15:20	16:15	13:45	16:30	09:00
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
CHLOROMETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CIS-1,3-DICHLOROPROPENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
DIBROMOCHLOROMETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
DIBROMOMETHANE							
DICHLORODIFLUOROMETHANE							
ETHYL CYANIDE							
ETHYLBENZENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
IODOMETHANE							
ISOBUTYL ALCHOHOL							
METHACRYLONITRILE							
METHYLENE CHLORIDE	UG/L	5UY	5UYUJ	6UYJB	8UYUJ	7UYUJ	5UYUJ
STYRENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TETRACHLOROETHENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TOLUENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TRANS-1,3-DICHLOROPROPENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TRANS-1,4-DICHLORO-2-BUTENE							
TRICHLOROETHENE	UG/L	1UY	1UY	1UY	1UY	1UY	1UY
TRICHLOROFLUOROMETHANE							
VINYL ACETATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
VINYL CHLORIDE	UG/L	1UY	1UY	1UY	1UY	1UY	1UY
XYLENE (TOTAL)	UG/L	5UY	5UY	5UY	5UY	5UY	5UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:		10135	10137	10138	10139	10140	10141
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	DUP
STATION ID:		MW175	MW177	MW178	MW179	MW180	MW022
SAMPLE DATE:		03/19/1991	03/18/1991	03/18/1991	03/27/1991	03/27/1991	03/29/1991
SAMPLE TIME:		11:35	15:20	11:15	10:00	10:45	12:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,1,1,2-TETRACHLOROETHANE							
1,1,1-TRICHLOROETHANE	UG/L	1000UY	5UY	5UY	5UY	5UY	5UY
1,1,2,2-TETRACHLOROETHANE	UG/L	1000UY	5UY	5UY	5UY	5UY	5UY
1,1,2-TRICHLOROETHANE	UG/L	1000UY	5UY	5UY	5UY	5UY	5UY
1,1-DICHLOROETHANE	UG/L	1000UY	5UY	5UY	5UY	5UY	5UY
1,1-DICHLOROETHENE	UG/L	1000UY	5UY	5UY	5UY	5UY	5UY
1,2,3-TRICHLOROPROPANE							
1,2-DIBROMO-3-CHLOROPROPANE							
1,2-DIBROMOETHANE							
1,2-DICHLOROETHANE	UG/L	1000UY	5UY	5UY	5UY	5UY	5UY
1,2-DICHLOROETHENE (TOTAL)	UG/L	1000UY	5UY	5DY	5UY	5UY	5UY
1,2-DICHLOROPROPANE	UG/L	1000UY	5UY	5UY	5UY	5UY	5UY
2-BUTANONE	UG/L	2000UY	10UY	10UY	10UYR	42DYJ	10UY
2-CHLORO-1,3-BUTADIENE							
2-HEXANONE	UG/L	2000UY	10UY	10UY	10UY	10UY	10UY
3-CHLOROPROPENE							
4-METHYL-2-PENTANONE	UG/L	2000UY	10UY	10UY	10UY	10UY	10UY
ACETONE	UG/L	2000UYUJ	10UY	10UY	10UY	49UYJB	10UYUJ
ACETONITRILE							
ACROLEIN							
ACRYLONITRILE							
BENZENE	UG/L	1000UY	5UY	5UY	5UY	5UY	5UY
BROMODICHLOROMETHANE	UG/L	1000UY	5UY	5UY	5UY	5UY	5UY
BROMOFORM	UG/L	1000UY	5UY	5UY	5UY	5UY	5UY
BROMOMETHANE	UG/L	2000UY	10UY	10UY	10UY	10UY	10UY
CARBON DISULFIDE	UG/L	1000UY	5UY	5UY	5UY	5UY	5UY
CARBON TETRACHLORIDE	UG/L	1000UY	5UY	5UY	5UY	5UY	5UY
CHLOROBENZENE	UG/L	1000UY	5UY	5UY	5UY	5UY	5UY
CHLOROETHANE	UG/L	2000UY	10UY	10UY	10UY	10UY	10UY
CHLOROFORM	UG/L	1000UY	5UY	5UY	5UY	5UY	5UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:		10135	10137	10138	10139	10140	10141
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	DUP
STATION ID:		MW175	MW177	MW178	MW179	MW180	MW022
SAMPLE DATE:		03/19/1991	03/18/1991	03/18/1991	03/27/1991	03/27/1991	03/29/1991
SAMPLE TIME:		11:35	15:20	11:15	10:00	10:45	12:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
CHLOROMETHANE	UG/L	2000UY	10UY	10UY	10UY	10UY	10UY
CIS-1,3-DICHLOROPROPENE	UG/L	1000UY	5UY	5UY	5UY	5UY	5UY
DIBROMOCHLOROMETHANE	UG/L	1000UY	5UY	5UY	5UY	5UY	5UY
DIBROMOMETHANE							
DICHLORODIFLUOROMETHANE							
ETHYL CYANIDE							
ETHYLBENZENE	UG/L	1000UY	5UY	5UY	5UY	5UY	5UY
IODOMETHANE							
ISOBUTYL ALCHOHOL							
METHACRYLONITRILE							
METHYLENE CHLORIDE	UG/L	2800UYUJ	5UY	5UY	5UY	24UYJB	5UYUJ
STYRENE	UG/L	1000UY	5UY	5UY	5UY	5UY	5UY
TETRACHLOROETHENE	UG/L	1000UY	5UY	5UY	5UY	5UY	5UY
TOLUENE	UG/L	1000UY	5UY	5UY	5UY	5UY	5UY
TRANS-1,3-DICHLOROPROPENE	UG/L	1000UY	5UY	5UY	5UY	5UY	5UY
TRANS-1,4-DICHLORO-2-BUTENE							
TRICHLOROETHENE	UG/L	15000DYJ	140DY	1800DYJ	5UY	1UY	36DY
TRICHLOROFLUOROMETHANE							
VINYL ACETATE	UG/L	2000UY	10UY	10UY	10UY	10UY	10UY
VINYL CHLORIDE	UG/L	200UY	10UY	10UY	10UY	1UY	1UY
XYLENE (TOTAL)	UG/L	1000UY	5UY	5UY	5UY	5UY	5UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:		10142	10144	10145	10146	10147	10148
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW181	MW184	MW185	MW186	MW187	MW188
SAMPLE DATE:		03/29/1991	04/03/1991	03/26/1991	03/26/1991	03/26/1991	03/27/1991
SAMPLE TIME:		09:10	09:15	15:00	16:30	09:50	16:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,1,1,2-TETRACHLOROETHANE							
1,1,1-TRICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1,2,2-TETRACHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1,2-TRICHLOROETHANE	UG/L	5UY	5UY	5UY	5DY	5UY	5UY
1,1-DICHLOROETHANE	UG/L	5UY	5UY	8DYJ	25DY	5UY	5UY
1,1-DICHLOROETHENE	UG/L	5UY	5UY	5UY	23DY	5UY	5UY
1,2,3-TRICHLOROPROPANE							
1,2-DIBROMO-3-CHLOROPROPANE							
1,2-DIBROMOETHANE							
1,2-DICHLOROETHANE	UG/L	5UY	5UY	5UY	6DY	5UY	5UY
1,2-DICHLOROETHENE (TOTAL)	UG/L	5UY	5UY	85DYJ	7900DYJE	26DY	5UY
1,2-DICHLOROPROPANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
2-BUTANONE	UG/L	10UYR	10UYR	10UYR	10UY	10UY	10UYR
2-CHLORO-1,3-BUTADIENE							
2-HEXANONE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
3-CHLOROPROPENE							
4-METHYL-2-PENTANONE	UG/L	10UY	10UY	10UY	10DY	10UY	10UY
ACETONE	UG/L	10UY	17UYUJ	10UY	10UY	10UY	10UY
ACETONITRILE							
ACROLEIN							
ACRYLONITRILE							
BENZENE	UG/L	5UY	5UY	5UY	12DYJ	5UY	5UY
BROMODICHLOROMETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMOFORM	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMOMETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CARBON DISULFIDE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CARBON TETRACHLORIDE	UG/L	5UY	5UY	5DYJ	5UY	5UY	5UY
CHLOROBENZENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CHLOROETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CHLOROFORM	UG/L	5UY	5UY	5UY	5UY	5UY	5UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:		10142	10144	10145	10146	10147	10148
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW181	MW184	MW185	MW186	MW187	MW188
SAMPLE DATE:		03/29/1991	04/03/1991	03/26/1991	03/26/1991	03/26/1991	03/27/1991
SAMPLE TIME:		09:10	09:15	15:00	16:30	09:50	16:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
CHLOROMETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CIS-1,3-DICHLOROPROPENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
DIBROMOCHLOROMETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
DIBROMOMETHANE							
DICHLORODIFLUOROMETHANE							
ETHYL CYANIDE							
ETHYLBENZENE	UG/L	5UY	5UY	5UY	3DYJ	5UY	5UY
IODOMETHANE							
ISOBUTYL ALCHOHOL							
METHACRYLONITRILE							
METHYLENE CHLORIDE	UG/L	5UY	5UYUJ	5UY	5UY	5UYUJ	5UYJB
STYRENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TETRACHLOROETHENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TOLUENE	UG/L	5UY	5UY	5UY	59DY	5UY	5UY
TRANS-1,3-DICHLOROPROPENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TRANS-1,4-DICHLORO-2-BUTENE							
TRICHLOROETHENE	UG/L	5UY	1UY	1600DYJE	1900DYJE	140DYJ	4DY
TRICHLOROFLUOROMETHANE							
VINYL ACETATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
VINYL CHLORIDE	UG/L	10UY	1UY	10UY	7500DYJE	1UY	1UY
XYLENE (TOTAL)	UG/L	5UY	5UY	5UY	13DY	5UY	5UY

Data Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:		10149	10150	10151	10152	10153	10154
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW189	MW190	MW070	MW071	MW179	MW194
SAMPLE DATE:		03/27/1991	03/28/1991	03/13/1991	03/25/1991	03/27/1991	03/19/1991
SAMPLE TIME:		14:45	16:30	10:45	09:00	10:00	10:50
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,1,1,2-TETRACHLOROETHANE							
1,1,1-TRICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1,2,2-TETRACHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1,2-TRICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1-DICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1-DICHLOROETHENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,2,3-TRICHLOROPROPANE							
1,2-DIBROMO-3-CHLOROPROPANE							
1,2-DIBROMOETHANE							
1,2-DICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,2-DICHLOROETHENE (TOTAL)	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,2-DICHLOROPROPANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
2-BUTANONE	UG/L	10UYR	10UY	10UY	10UYR	10UYR	10UY
2-CHLORO-1,3-BUTADIENE							
2-HEXANONE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
3-CHLOROPROPENE							
4-METHYL-2-PENTANONE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ACETONE	UG/L	10UY	10UY	10UYUJ	10UYUJ	10UY	10UY
ACETONITRILE							
ACROLEIN							
ACRYLONITRILE							
BENZENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMODICHLOROMETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMOFORM	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMOMETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CARBON DISULFIDE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CARBON TETRACHLORIDE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CHLOROBENZENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CHLOROETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CHLOROFORM	UG/L	5UY	5UY	5UY	5UY	5UY	5UY

Data Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:		10149	10150	10151	10152	10153	10154
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW189	MW190	MW070	MW071	MW179	MW194
SAMPLE DATE:		03/27/1991	03/28/1991	03/13/1991	03/25/1991	03/27/1991	03/19/1991
SAMPLE TIME:		14:45	16:30	10:45	09:00	10:00	10:50
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
CHLOROMETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CIS-1,3-DICHLOROPROPENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
DIBROMOCHLOROMETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
DIBROMOMETHANE							
DICHLORODIFLUOROMETHANE							
ETHYL CYANIDE							
ETHYLBENZENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
IODOMETHANE							
ISOBUTYL ALCHOHOL							
METHACRYLONITRILE							
METHYLENE CHLORIDE	UG/L	5UYJB	5UYUJ	5UYUJ	5UYUJ	5UY	5UY
STYRENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TETRACHLOROETHENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TOLUENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TRANS-1,3-DICHLOROPROPENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TRANS-1,4-DICHLORO-2-BUTENE							
TRICHLOROETHENE	UG/L	1UY	1UY	1UY	7DY	5UY	5UY
TRICHLOROFLUOROMETHANE							
VINYL ACETATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
VINYL CHLORIDE	UG/L	1UY	1UY	1UY	1UY	10UY	10UY
XYLENE (TOTAL)	UG/L	5UY	5UY	5UY	5UY	5UY	5UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:		10155	10157	10158	10160	10168	10169
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW195	MET 2	MET 3	MW193	MW202	MW182
SAMPLE DATE:		03/19/1991	03/27/1991	03/27/1991	05/06/1991	04/02/1991	04/02/1991
SAMPLE TIME:		09:45	13:30	13:15	10:15	15:45	08:35
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,1,1,2-TETRACHLOROETHANE							
1,1,1-TRICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1,2,2-TETRACHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1,2-TRICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1-DICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1-DICHLOROETHENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,2,3-TRICHLOROPROPANE							
1,2-DIBROMO-3-CHLOROPROPANE							
1,2-DIBROMOETHANE							
1,2-DICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,2-DICHLOROETHENE (TOTAL)	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,2-DICHLOROPROPANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
2-BUTANONE	UG/L	10UY	10UY	10UYR	10UY	10UY	10UY
2-CHLORO-1,3-BUTADIENE							
2-HEXANONE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
3-CHLOROPROPENE							
4-METHYL-2-PENTANONE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ACETONE	UG/L	10UYUJ	10UYUJ	10UY	32DYJ	10UY	10UY
ACETONITRILE							
ACROLEIN							
ACRYLONITRILE							
BENZENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMODICHLOROMETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMOFORM	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMOMETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CARBON DISULFIDE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CARBON TETRACHLORIDE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CHLOROBENZENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CHLOROETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CHLOROFORM	UG/L	5UY	5UY	5UY	5UY	5UY	5UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:		10155	10157	10158	10160	10168	10169
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW195	MET 2	MET 3	MW193	MW202	MW182
SAMPLE DATE:		03/19/1991	03/27/1991	03/27/1991	05/06/1991	04/02/1991	04/02/1991
SAMPLE TIME:		09:45	13:30	13:15	10:15	15:45	08:35
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
CHLOROMETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CIS-1,3-DICHLOROPROPENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
DIBROMOCHLOROMETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
DIBROMOMETHANE							
DICHLORODIFLUOROMETHANE							
ETHYL CYANIDE							
ETHYLBENZENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
IODOMETHANE							
ISOBUTYL ALCOHOL							
METHACRYLONITRILE							
METHYLENE CHLORIDE	UG/L	6UYUJ	8UYUJ	5UY	7UYUJ	5UY	5UY
STYRENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TETRACHLOROETHENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TOLUENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TRANS-1,3-DICHLOROPROPENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TRANS-1,4-DICHLORO-2-BUTENE							
TRICHLOROETHENE	UG/L	1UY	1UY	5UY	33DY	58DYJ	12DYR
TRICHLOROFLUOROMETHANE							
VINYL ACETATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
VINYL CHLORIDE	UG/L	1UY	1UY	10UY	1UY	10UY	10UY
XYLENE (TOTAL)	UG/L	5UY	5UY	5UY	5UY	5UY	5UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:		10170	10171	10172	10173	10174	10175
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW191	MW192	MW200	MW196	MW197	MW198
SAMPLE DATE:		04/01/1991	04/23/1991	04/02/1991	04/22/1991	04/03/1991	05/01/1991
SAMPLE TIME:		17:00	09:55	10:30	15:00	13:55	10:50
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,1,1,2-TETRACHLOROETHANE							
1,1,1-TRICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1,2,2-TETRACHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1,2-TRICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1-DICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1-DICHLOROETHENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,2,3-TRICHLOROPROPANE							
1,2-DIBROMO-3-CHLOROPROPANE							
1,2-DIBROMOETHANE							
1,2-DICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,2-DICHLOROETHENE (TOTAL)	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,2-DICHLOROPROPANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
2-BUTANONE	UG/L	10UY	10UY	10UY	10UYR	10UYR	10UYR
2-CHLORO-1,3-BUTADIENE							
2-HEXANONE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
3-CHLOROPROPENE							
4-METHYL-2-PENTANONE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ACETONE	UG/L	10UY	6UYUJ	10UY	10UY	13UYUJ	31UYUJ
ACETONITRILE							
ACROLEIN							
ACRYLONITRILE							
BENZENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMODICHLOROMETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMOFORM	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMOMETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CARBON DISULFIDE	UG/L	5UY	5UY	5UY	6DY	5UY	5UY
CARBON TETRACHLORIDE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CHLOROBENZENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CHLOROETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CHLOROFORM	UG/L	5UY	5UY	5UY	5UY	5UY	5UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:		10170	10171	10172	10173	10174	10175
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW191	MW192	MW200	MW196	MW197	MW198
SAMPLE DATE:		04/01/1991	04/23/1991	04/02/1991	04/22/1991	04/03/1991	05/01/1991
SAMPLE TIME:		17:00	09:55	10:30	15:00	13:55	10:50
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
CHLOROMETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CIS-1,3-DICHLOROPROPENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
DIBROMOCHLOROMETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
DIBROMOMETHANE							
DICHLORODIFLUOROMETHANE							
ETHYL CYANIDE							
ETHYLBENZENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
IODOMETHANE							
ISOBUTYL ALCHOHOL							
METHACRYLONITRILE							
METHYLENE CHLORIDE	UG/L	5UY	17UYUJ	5UY	11UYJB	17UYUJ	5UYUJ
STYRENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TETRACHLOROETHENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TOLUENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TRANS-1,3-DICHLOROPROPENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TRANS-1,4-DICHLORO-2-BUTENE							
TRICHLOROETHENE	UG/L	130DY	1UY	5UY	0.2DYJ	2DYJ	610DY
TRICHLOROFLUOROMETHANE							
VINYL ACETATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
VINYL CHLORIDE	UG/L	10UY	1UY	10UY	1UY	1UY	1UY
XYLENE (TOTAL)	UG/L	5UY	5UY	5UY	5UY	5UY	5UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:		10177	10178	10179	10180	10181	10182
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW201	MW203	MW204	MW121	MW123	MW125
SAMPLE DATE:		04/25/1991	04/25/1991	04/25/1991	04/30/1991	04/29/1991	04/29/1991
SAMPLE TIME:		16:94	10:15	09:20	11:40	15:55	15:40
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,1,1,2-TETRACHLOROETHANE							
1,1,1-TRICHLOROETHANE	UG/L	5UY	5UY	16DY			
1,1,2,2-TETRACHLOROETHANE	UG/L	5UY	5UY	5UY			
1,1,2-TRICHLOROETHANE	UG/L	5UY	5UY	5UY			
1,1-DICHLOROETHANE	UG/L	5UY	5UY	4DYJ			
1,1-DICHLOROETHENE	UG/L	5UY	1DYJ	86DY			
1,2,3-TRICHLOROPROPANE							
1,2-DIBROMO-3-CHLOROPROPANE							
1,2-DIBROMOETHANE							
1,2-DICHLOROETHANE	UG/L	5UY	5UY	5UY			
1,2-DICHLOROETHENE (TOTAL)	UG/L	1DYJ	5UY	6DY			
1,2-DICHLOROPROPANE	UG/L	5UY	5UY	5UY			
2-BUTANONE	UG/L	10UYR	10UYR	10UYR			
2-CHLORO-1,3-BUTADIENE							
2-HEXANONE	UG/L	10UY	10UY	10UY			
3-CHLOROPROPENE							
4-METHYL-2-PENTANONE	UG/L	10UY	10UY	10UY			
ACETONE	UG/L	10UYJB	10UY	10UY			
ACETONITRILE							
ACROLEIN							
ACRYLONITRILE							
BENZENE	UG/L	5UY	5UY	5UY			
BROMODICHLOROMETHANE	UG/L	5UY	5UY	5UY			
BROMOFORM	UG/L	5UY	5UY	5UY			
BROMOMETHANE	UG/L	10UY	10UY	10UY			
CARBON DISULFIDE	UG/L	5UY	5UY	5UY			
CARBON TETRACHLORIDE	UG/L	5UY	5UY	5UY			
CHLOROBENZENE	UG/L	5UY	5UY	5UY			
CHLOROETHANE	UG/L	10UY	10UY	10UY			
CHLOROFORM	UG/L	5UY	5UY	5UY			

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:		10177	10178	10179	10180	10181	10182
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW201	MW203	MW204	MW121	MW123	MW125
SAMPLE DATE:		04/25/1991	04/25/1991	04/25/1991	04/30/1991	04/29/1991	04/29/1991
SAMPLE TIME:		16:94	10:15	09:20	11:40	15:55	15:40
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
CHLOROMETHANE	UG/L	10UY	10UY	10UY			
CIS-1,3-DICHLOROPROPENE	UG/L	5UY	5UY	5UY			
DIBROMOCHLOROMETHANE	UG/L	5UY	5UY	5UY			
DIBROMOMETHANE							
DICHLORODIFLUOROMETHANE							
ETHYL CYANIDE							
ETHYLBENZENE	UG/L	5UY	5UY	5UY			
IODOMETHANE							
ISOBUTYL ALCHOHOL							
METHACRYLONITRILE							
METHYLENE CHLORIDE	UG/L	5UYJB	40UYJB	5UYJB			
STYRENE	UG/L	5UY	5UY	5UY			
TETRACHLOROETHENE	UG/L	5UY	5UY	5DY			
TOLUENE	UG/L	5UY	5UY	5UY			
TRANS-1,3-DICHLOROPROPENE	UG/L	5UY	5UY	5UY			
TRANS-1,4-DICHLORO-2-BUTENE							
TRICHLOROETHENE	UG/L	110DY	12DY	180DY	1UY	1UY	1UY
TRICHLOROFLUOROMETHANE							
VINYL ACETATE	UG/L	10UY	10UY	10UY			
VINYL CHLORIDE	UG/L	1UY	1UY	1UY			
XYLENE (TOTAL)	UG/L	5UY	5UY	5UY			

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:		10183	10184	10185	10186	10187	10188
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW127	MW146	MW147	MW148	MW149	MW152
SAMPLE DATE:		04/30/1991	05/02/1991	05/02/1991	05/09/1991	05/09/1991	05/09/1991
SAMPLE TIME:		16:00	12:05	12:45	15:00	15:15	10:40
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
CHLOROMETHANE							
CIS-1,3-DICHLOROPROPENE							
DIBROMOCHLOROMETHANE							
DIBROMOMETHANE							
DICHLORODIFLUOROMETHANE							
ETHYL CYANIDE							
ETHYLBENZENE							
IODOMETHANE							
ISOBUTYL ALCHOHOL							
METHACRYLONITRILE							
METHYLENE CHLORIDE							
STYRENE							
TETRACHLOROETHENE							
TOLUENE							
TRANS-1,3-DICHLOROPROPENE							
TRANS-1,4-DICHLORO-2-BUTENE							
TRICHLOROETHENE	UG/L	1UY	3.3DYJ	2.5DYJ	6.6DYJ	1UY	2.4DYJ
TRICHLOROFLUOROMETHANE							
VINYL ACETATE							
VINYL CHLORIDE							
XYLENE (TOTAL)							

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:		10189	10190	10191	10192	10193	10194
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW152	MW153	MW155	MW156	MW157	MW158
SAMPLE DATE:		05/09/1991	05/09/1991	05/06/1991	05/08/1991	05/06/1991	05/10/1991
SAMPLE TIME:		10:40	11:10	10:20	10:35	10:50	14:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,1,1,2-TETRACHLOROETHANE							
1,1,1-TRICHLOROETHANE	UG/L			5UY	5UY	10000UY	5UY
1,1,2,2-TETRACHLOROETHANE	UG/L			5UY	5UY	10000UY	5UY
1,1,2-TRICHLOROETHANE	UG/L			5UY	70DYJ	10000UY	5UY
1,1-DICHLOROETHANE	UG/L			5UY	5UY	10000UY	5UY
1,1-DICHLOROETHENE	UG/L			5UY	15DYJ	10000UY	5UY
1,2,3-TRICHLOROPROPANE							
1,2-DIBROMO-3-CHLOROPROPANE							
1,2-DIBROMOETHANE							
1,2-DICHLOROETHANE	UG/L			5UY	5UY	10000UY	5UY
1,2-DICHLOROETHENE (TOTAL)	UG/L			5DY	640DYJE	10000UY	4DYJ
1,2-DICHLOROPROPANE	UG/L			5UY	5UY	10000UY	5UY
2-BUTANONE	UG/L			10UYR	10UYR	20000UY	10UYR
2-CHLORO-1,3-BUTADIENE							
2-HEXANONE	UG/L			10UY	91DYJ	20000UY	10UY
3-CHLOROPROPENE							
4-METHYL-2-PENTANONE	UG/L			10UY	10UY	20000UY	10UY
ACETONE	UG/L			11UYJB	33UYJB	20000UYJB	15UYJB
ACETONITRILE							
ACROLEIN							
ACRYLONITRILE							
BENZENE	UG/L			5UY	5UY	10000UY	5UY
BROMODICHLOROMETHANE	UG/L			5UY	9DYJ	10000UY	5UY
BROMOFORM	UG/L			5UY	5UY	10000UY	5UY
BROMOMETHANE	UG/L			10UY	10UY	20000UY	10UY
CARBON DISULFIDE	UG/L			3DYJ	5UY	10000UY	5UY
CARBON TETRACHLORIDE	UG/L			8DY	40DYJ	10000UY	5UY
CHLOROBENZENE	UG/L			5UY	5UY	10000UY	5UY
CHLOROETHANE	UG/L			10UY	10UY	20000UY	10UY
CHLOROFORM	UG/L			5UY	24DYJ	10000UY	5UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:		10189	10190	10191	10192	10193	10194
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW152	MW153	MW155	MW156	MW157	MW158
SAMPLE DATE:		05/09/1991	05/09/1991	05/06/1991	05/08/1991	05/06/1991	05/10/1991
SAMPLE TIME:		10:40	11:10	10:20	10:35	10:50	14:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
CHLOROMETHANE	UG/L			10UY	10UY	20000UY	10UY
CIS-1,3-DICHLOROPROPENE	UG/L			5UY	5UY	10000UY	5UY
DIBROMOCHLOROMETHANE	UG/L			5UY	2DYJ	10000UY	5UY
DIBROMOMETHANE							
DICHLORODIFLUOROMETHANE							
ETHYL CYANIDE							
ETHYLBENZENE	UG/L			5UY	5UY	10000UY	5UY
IODOMETHANE							
ISOBUTYL ALCOHOL							
METHACRYLONITRILE							
METHYLENE CHLORIDE	UG/L			25UYJB	23UYJB	46000UYJB	5UYJB
STYRENE	UG/L			5UY	5UY	10000UY	5UY
TETRACHLOROETHENE	UG/L			200DY	190DYJ	10000UY	5UY
TOLUENE	UG/L			5UY	1DYJ	10000UY	5UY
TRANS-1,3-DICHLOROPROPENE	UG/L			5UY	5UY	10000UY	5UY
TRANS-1,4-DICHLORO-2-BUTENE							
TRICHLOROETHENE	UG/L	2.4DYJ	1UY	1900DY	360000DYD	400000DY	8DY
TRICHLOROFLUOROMETHANE							
VINYL ACETATE	UG/L			10UY	10UY	20000UY	10UY
VINYL CHLORIDE	UG/L			10UY	10UY	2000UY	1UY
XYLENE (TOTAL)	UG/L			5UY	5UY	10000UY	5UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:		10195	10196	10197	10198	10199	10200
SUB-SAMPLE ID:		DUP	00000	00000	00000	00000	DUP
STATION ID:		MW158	MW159	MW160	MW161	MW162	MW162
SAMPLE DATE:		05/10/1991	05/10/1991	05/10/1991	05/08/1991	05/08/1991	05/08/1991
SAMPLE TIME:		14:15	11:10	14:20	15:30	14:40	14:40
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,1,1,2-TETRACHLOROETHANE							
1,1,1-TRICHLOROETHANE	UG/L	5UY	5UY	5DYJ	4DYJ	6DY	6DY
1,1,2,2-TETRACHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1,2-TRICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1-DICHLOROETHANE	UG/L	5UY	5UY	5UY	1DYJ	3DYJ	3DYJ
1,1-DICHLOROETHENE	UG/L	5UY	5UY	5UY	5DY	6DY	5DY
1,2,3-TRICHLOROPROPANE							
1,2-DIBROMO-3-CHLOROPROPANE							
1,2-DIBROMOETHANE							
1,2-DICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,2-DICHLOROETHENE (TOTAL)	UG/L	4DYJ	5UY	3DYJ	22DY	35DY	33DY
1,2-DICHLOROPROPANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
2-BUTANONE	UG/L	10UYR	10UY	10UYR	10UY	10UYR	10UYR
2-CHLORO-1,3-BUTADIENE							
2-HEXANONE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
3-CHLOROPROPENE							
4-METHYL-2-PENTANONE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ACETONE	UG/L	14UYJB	10UYJB	17UYJB	10UYJB	10UYJB	10UYJB
ACETONITRILE							
ACROLEIN							
ACRYLONITRILE							
BENZENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMODICHLOROMETHANE	UG/L	5UY	5UY	6DYJ	5UY	5UY	5UY
BROMOFORM	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMOMETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CARBON DISULFIDE	UG/L	5UY	17DYJ	5UY	26DY	5UY	5UY
CARBON TETRACHLORIDE	UG/L	5UY	5UY	18DYJ	5UY	5UY	5UY
CHLOROBENZENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CHLOROETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CHLOROFORM	UG/L	5UY	5UY	2DYJ	5UY	5UY	5UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:		10195	10196	10197	10198	10199	10200
SUB-SAMPLE ID:		DUP	00000	00000	00000	00000	DUP
STATION ID:		MW158	MW159	MW160	MW161	MW162	MW162
SAMPLE DATE:		05/10/1991	05/10/1991	05/10/1991	05/08/1991	05/08/1991	05/08/1991
SAMPLE TIME:		14:15	11:10	14:20	15:30	14:40	14:40
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
CHLOROMETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CIS-1,3-DICHLOROPROPENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
DIBROMOCHLOROMETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
DIBROMOMETHANE							
DICHLORODIFLUOROMETHANE							
ETHYL CYANIDE							
ETHYLBENZENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
IODOMETHANE							
ISOBUTYL ALCOHOL							
METHACRYLONITRILE							
METHYLENE CHLORIDE	UG/L	5UYJB	9UYJB	6UYJB	8UYJB	10UYJB	6UYJB
STYRENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TETRACHLOROETHENE	UG/L	5UY	5UY	3DYJ	5UY	5UY	5UY
TOLUENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TRANS-1,3-DICHLOROPROPENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TRANS-1,4-DICHLORO-2-BUTENE							
TRICHLOROETHENE	UG/L	9DY	73DY	160000DYJE	730DYE	120DY	110DY
TRICHLOROFLUOROMETHANE							
VINYL ACETATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
VINYL CHLORIDE	UG/L	1UY	1UY	1UY	1UY	2DYJ	1DYJ
XYLENE (TOTAL)	UG/L	5UY	5UY	5UY	5UY	5UY	5UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:		10201	10204	10205	10206	10207	10208
SUB-SAMPLE ID:		00000	00000	00000	00000	DUP	00000
STATION ID:		MW163	MW166	MW167	MW168	MW168	MW169
SAMPLE DATE:		05/09/1991	05/13/1991	04/30/1991	05/06/1991	05/06/1991	04/29/1991
SAMPLE TIME:		11:15	10:40	15:30	15:25	15:25	16:00
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,1,1,2-TETRACHLOROETHANE							
1,1,1-TRICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1,2,2-TETRACHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1,2-TRICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1-DICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1-DICHLOROETHENE	UG/L	3DYJ	5UY	5UY	5UY	5UY	5UY
1,2,3-TRICHLOROPROPANE							
1,2-DIBROMO-3-CHLOROPROPANE							
1,2-DIBROMOETHANE							
1,2-DICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,2-DICHLOROETHENE (TOTAL)	UG/L	5DY	5UY	5UY	1DYJ	5UY	5UY
1,2-DICHLOROPROPANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
2-BUTANONE	UG/L	10UYR	10UYR	10UY	10UYR	10UYR	10UY
2-CHLORO-1,3-BUTADIENE							
2-HEXANONE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
3-CHLOROPROPENE							
4-METHYL-2-PENTANONE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ACETONE	UG/L	23UYJB	10UY	10UYJB	10UY	10UYJB	10UYJB
ACETONITRILE							
ACROLEIN							
ACRYLONITRILE							
BENZENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMODICHLOROMETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMOFORM	UG/L	5UY	2DYJ	5UY	5UY	5UY	5UY
BROMOMETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CARBON DISULFIDE	UG/L	5UY	5UY	2DYJ	5UY	3DYJ	5UY
CARBON TETRACHLORIDE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CHLOROBENZENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CHLOROETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CHLOROFORM	UG/L	1DYJ	26DY	5UY	5UY	5UY	5UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:		10201	10204	10205	10206	10207	10208
SUB-SAMPLE ID:		00000	00000	00000	00000	DUP	00000
STATION ID:		MW163	MW166	MW167	MW168	MW168	MW169
SAMPLE DATE:		05/09/1991	05/13/1991	04/30/1991	05/06/1991	05/06/1991	04/29/1991
SAMPLE TIME:		11:15	10:40	15:30	15:25	15:25	16:00
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
CHLOROMETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CIS-1,3-DICHLOROPROPENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
DIBROMOCHLOROMETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
DIBROMOMETHANE							
DICHLORODIFLUOROMETHANE							
ETHYL CYANIDE							
ETHYLBENZENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
IODOMETHANE							
ISOBUTYL ALCHOHOL							
METHACRYLONITRILE							
METHYLENE CHLORIDE	UG/L	48UYJB	19UYJB	16UYJB	5UYJB	11UYJB	5UYJB
STYRENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TETRACHLOROETHENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TOLUENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TRANS-1,3-DICHLOROPROPENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TRANS-1,4-DICHLORO-2-BUTENE							
TRICHLOROETHENE	UG/L	92DY	290DYJ	5DY	130DY	85DY	10DY
TRICHLOROFLUOROMETHANE							
VINYL ACETATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
VINYL CHLORIDE	UG/L	10UY	10UY	1UY	10UY	10UY	1UY
XYLENE (TOTAL)	UG/L	5UY	5UY	5UY	5UY	5UY	5UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:		10209	10210	10211	10212	10213	10214
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW170	MW171	MW172	MW173	MW174	MW175
SAMPLE DATE:		04/30/1991	05/07/1991	05/07/1991	05/10/1991	05/10/1991	05/07/1991
SAMPLE TIME:		10:50	15:15	16:45	13:40	14:00	09:20
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,1,1,2-TETRACHLOROETHANE							
1,1,1-TRICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1,2,2-TETRACHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1,2-TRICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1-DICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1-DICHLOROETHENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,2,3-TRICHLOROPROPANE							
1,2-DIBROMO-3-CHLOROPROPANE							
1,2-DIBROMOETHANE							
1,2-DICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,2-DICHLOROETHENE (TOTAL)	UG/L	5UY	5UY	5UY	5UY	5UY	95DY
1,2-DICHLOROPROPANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
2-BUTANONE	UG/L	10UY	10UYR	10UYR	10UYR	10UYR	10UYR
2-CHLORO-1,3-BUTADIENE							
2-HEXANONE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
3-CHLOROPROPENE							
4-METHYL-2-PENTANONE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ACETONE	UG/L	7DYJ	10UYJB	10UYJB	10UYJB	10UYJB	10UYJB
ACETONITRILE							
ACROLEIN							
ACRYLONITRILE							
BENZENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMODICHLOROMETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMOFORM	UG/L	5UY	5UY	5UY	1DYJ	1DYJ	5UY
BROMOMETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CARBON DISULFIDE	UG/L	5UY	3DYJ	8DY	5UY	5UY	5UY
CARBON TETRACHLORIDE	UG/L	5UY	5UY	5UY	5UY	5UY	41DY
CHLOROBENZENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CHLOROETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CHLOROFORM	UG/L	5UY	5UY	5UY	5UY	5UY	12DY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:		10209	10210	10211	10212	10213	10214
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW170	MW171	MW172	MW173	MW174	MW175
SAMPLE DATE:		04/30/1991	05/07/1991	05/07/1991	05/10/1991	05/10/1991	05/07/1991
SAMPLE TIME:		10:50	15:15	16:45	13:40	14:00	09:20
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
CHLOROMETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CIS-1,3-DICHLOROPROPENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
DIBROMOCHLOROMETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
DIBROMOMETHANE							
DICHLORODIFLUOROMETHANE							
ETHYL CYANIDE							
ETHYLBENZENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
IODOMETHANE							
ISOBUTYL ALCHOHOL							
METHACRYLONITRILE							
METHYLENE CHLORIDE	UG/L	11UYJB	7UYJB	5UYJB	5UYJB	13UYJB	5UYJB
STYRENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TETRACHLOROETHENE	UG/L	5UY	5UY	5UY	5UY	5UY	14DY
TOLUENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TRANS-1,3-DICHLOROPROPENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TRANS-1,4-DICHLORO-2-BUTENE							
TRICHLOROETHENE	UG/L	1UY	1UY	1UY	1UY	1UY	18000DY
TRICHLOROFLUOROMETHANE							
VINYL ACETATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
VINYL CHLORIDE	UG/L	1UY	1UY	1UY	1UY	1UY	1UY
XYLENE (TOTAL)	UG/L	5UY	5UY	5UY	5UY	5UY	5UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:		10216	10217	10218	10219	10220	10221
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	DUP
STATION ID:		MW177	MW178	MW179	MW180	MW181	MW181
SAMPLE DATE:		05/06/1991	05/01/1991	05/01/1991	05/08/1991	05/03/1991	05/03/1991
SAMPLE TIME:		13:45	16:15	15:25	14:50	10:25	08:35
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,1,1,2-TETRACHLOROETHANE							
1,1,1-TRICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1,2,2-TETRACHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1,2-TRICHLOROETHANE	UG/L	5UY	3DYJ	5UY	5UY	5UY	5UY
1,1-DICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1-DICHLOROETHENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,2,3-TRICHLOROPROPANE							
1,2-DIBROMO-3-CHLOROPROPANE							
1,2-DIBROMOETHANE							
1,2-DICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,2-DICHLOROETHENE (TOTAL)	UG/L	1DYJ	8DY	5UY	2DYJ	5UY	5UY
1,2-DICHLOROPROPANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
2-BUTANONE	UG/L	10UYR	10UYR	10UY	16DY	10UY	10UY
2-CHLORO-1,3-BUTADIENE							
2-HEXANONE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
3-CHLOROPROPENE							
4-METHYL-2-PENTANONE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ACETONE	UG/L	19UYJB	10UYUJ	22UYJB	57UYJB	10UYJB	10UYJB
ACETONITRILE							
ACROLEIN							
ACRYLONITRILE							
BENZENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UYJB
BROMODICHLOROMETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMOFORM	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMOMETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CARBON DISULFIDE	UG/L	5UY	5UY	5UY	2DYJ	5UY	5UY
CARBON TETRACHLORIDE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CHLOROBENZENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CHLOROETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CHLOROFORM	UG/L	5UY	1DYJ	5UY	5UY	5UY	5UY

Data Format: value + detected flag + validated flag + qualifiers

DMS CHEMICAL OBSERVATIONS MATRIX
ROUNDWATER
ADUCAH PHASE II
AMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:		10216	10217	10218	10219	10220	10221
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	DUP
STATION ID:		MW177	MW178	MW179	MW180	MW181	MW181
SAMPLE DATE:		05/06/1991	05/01/1991	05/01/1991	05/08/1991	05/03/1991	05/03/1991
SAMPLE TIME:		13:45	16:15	15:25	14:50	10:25	08:35
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
CHLOROMETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CIS-1,3-DICHLOROPROPENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
DIBROMOCHLOROMETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
DIBROMOMETHANE							
DICHLORODIFLUOROMETHANE							
ETHYL CYANIDE							
ETHYLBENZENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
IODOMETHANE							
ISOBUTYL ALCOHOL							
METHACRYLONITRILE							
METHYLENE CHLORIDE	UG/L	6UYJB	5UYUJ	7UYJB	5UYJB	5UYJB	7UYJB
STYRENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TETRACHLOROETHENE	UG/L	5UY	3DYJ	5UY	5UY	5UY	5UY
TOLUENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TRANS-1,3-DICHLOROPROPENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TRANS-1,4-DICHLORO-2-BUTENE							
TRICHLOROETHENE	UG/L	170DY	2700DY	1UYJ	58DY	1UY	1UY
TRICHLOROFLUOROMETHANE							
VINYL ACETATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
VINYL CHLORIDE	UG/L	1UY	1UY	1UY	1UY	1UY	1UY
XYLENE (TOTAL)	UG/L	5UY	5UY	5UY	5UY	5UY	5UY

)ata Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:		10222	10223	10224	10225	10226	10227
SUB-SAMPLE ID:		00000	00000	DUP	00000	00000	00000
STATION ID:		MW182	MW184	MW184	MW185	MW186	MW187
SAMPLE DATE:		05/03/1991	05/03/1991	05/03/1991	05/13/1991	05/13/1991	05/13/1991
SAMPLE TIME:		08:35	10:45	10:45	15:30	16:15	14:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,1,1,2-TETRACHLOROETHANE							
1,1,1-TRICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1,2,2-TETRACHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1,2-TRICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	1DYJ	5UY
1,1-DICHLOROETHANE	UG/L	5UY	5UY	5UY	8DY	19DY	5UY
1,1-DICHLOROETHENE	UG/L	5UY	5UY	5UY	3DYJ	17DY	5UY
1,2,3-TRICHLOROPROPANE							
1,2-DIBROMO-3-CHLOROPROPANE							
1,2-DIBROMOETHANE							
1,2-DICHLOROETHANE	UG/L	5UY	5UY	5UY	3DYJ	5UY	5UY
1,2-DICHLOROETHENE (TOTAL)	UG/L	5UY	5UY	5UY	110DY	4800DY	17DY
1,2-DICHLOROPROPANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
2-BUTANONE	UG/L	10UY	10UY	10UY	10UYR	10UYR	10UYR
2-CHLORO-1,3-BUTADIENE							
2-HEXANONE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
3-CHLOROPROPENE							
4-METHYL-2-PENTANONE	UG/L	10UY	10UY	10UY	10UY	5DYJ	10UY
ACETONE	UG/L	43UYJB	15UYJB	12UYJB	10UYJB	17UYJB	10UY
ACETONITRILE							
ACROLEIN							
ACRYLONITRILE							
BENZENE	UG/L	5UY	5UY	5UY	5UY	10DY	5UY
BROMODICHLOROMETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMOFORM	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMOMETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CARBON DISULFIDE	UG/L	5UY	5UY	5UY	5UY	2DYJ	5UY
CARBON TETRACHLORIDE	UG/L	5UY	5UY	5UY	7DYJ	5UY	5UY
CHLOROBENZENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CHLOROETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CHLOROFORM	UG/L	5UY	5UY	5UY	2DYJ	5UY	5UY

ata Format: value + detected flag + validated flag + qualifiers

DMS CHEMICAL OBSERVATIONS MATRIX
ROUNDWATER
ADUCAH PHASE II
AMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:		10222	10223	10224	10225	10226	10227
SUB-SAMPLE ID:		00000	00000	DUP	00000	00000	00000
STATION ID:		MW182	MW184	MW184	MW185	MW186	MW187
SAMPLE DATE:		05/03/1991	05/03/1991	05/03/1991	05/13/1991	05/13/1991	05/13/1991
SAMPLE TIME:		08:35	10:45	10:45	15:30	16:15	14:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
CHLOROMETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CIS-1,3-DICHLOROPROPENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
DIBROMOCHLOROMETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
DIBROMOMETHANE							
DICHLORODIFLUOROMETHANE							
ETHYL CYANIDE							
ETHYLBENZENE	UG/L	5UY	5UY	5UY	5UY	2DYJ	5UY
IODOMETHANE							
ISOBUTYL ALCHOHOL							
METHACRYLONITRILE							
METHYLENE CHLORIDE	UG/L	19UYJB	22UYJB	16UYJB	19UYJB	5UYJB	18UYJB
STYRENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TETRACHLOROETHENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TOLUENE	UG/L	5UY	5UY	5UY	5UY	50DY	5UY
TRANS-1,3-DICHLOROPROPENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TRANS-1,4-DICHLORO-2-BUTENE							
TRICHLOROETHENE	UG/L	1UY	1UY	1UY	1400DYJ	730DYJ	96DYJ
TRICHLOROFLUOROMETHANE							
VINYL ACETATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
VINYL CHLORIDE	UG/L	1UY	1UY	1UY	10UY	3000DY	10UY
XYLENE (TOTAL)	UG/L	5UY	5UY	5UY	5UY	6DYJ	5UY

)ata Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:		10228	10229	10230	10231	10232	10233
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW188	MW189	MW190	MW191	MW192	MW193
SAMPLE DATE:		05/11/1991	05/11/1991	05/13/1991	05/06/1991	05/06/1991	05/08/1991
SAMPLE TIME:		13:45	11:15	15:00	15:00	16:25	14:10
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,1,1,2-TETRACHLOROETHANE							
1,1,1-TRICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1,2,2-TETRACHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1,2-TRICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1-DICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1-DICHLOROETHENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,2,3-TRICHLOROPROPANE							
1,2-DIBROMO-3-CHLOROPROPANE							
1,2-DIBROMOETHANE							
1,2-DICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,2-DICHLOROETHENE (TOTAL)	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,2-DICHLOROPROPANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
2-BUTANONE	UG/L	10UY	10UY	10UYR	10UYR	10UY	10UYR
2-CHLORO-1,3-BUTADIENE							
2-HEXANONE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
3-CHLOROPROPENE							
4-METHYL-2-PENTANONE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ACETONE	UG/L	10UYJB	10UYJB	10UY	18UYJB	10UYJB	11UYJB
ACETONITRILE							
ACROLEIN							
ACRYLONITRILE							
BENZENE	UG/L	5UY	5UY	5UY	5UY	5UYJB	5UY
BROMODICHLOROMETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMOFORM	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMOMETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CARBON DISULFIDE	UG/L	5DYJ	2DYJ	5UY	5UY	5UY	5UY
CARBON TETRACHLORIDE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CHLOROBENZENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CHLOROETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CHLOROFORM	UG/L	5UY	5UY	5UY	5UY	5UY	5UY

ata Format: value + detected flag + validated flag + qualifiers

DMS CHEMICAL OBSERVATIONS MATRIX
ROUNDWATER
ADUCAH PHASE II
AMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:		10228	10229	10230	10231	10232	10233
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW188	MW189	MW190	MW191	MW192	MW193
SAMPLE DATE:		05/11/1991	05/11/1991	05/13/1991	05/06/1991	05/06/1991	05/08/1991
SAMPLE TIME:		13:45	11:15	15:00	15:00	16:25	14:10
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
CHLOROMETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CIS-1,3-DICHLOROPROPENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
DIBROMOCHLOROMETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
DIBROMOMETHANE							
DICHLORODIFLUOROMETHANE							
ETHYL CYANIDE							
ETHYLBENZENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
IODOMETHANE							
ISOBUTYL ALCOHOL							
METHACRYLONITRILE							
METHYLENE CHLORIDE	UG/L	5UYJB	5UYJB	9UYJB	17UYJB	8UYJB	6UYJB
STYRENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TETRACHLOROETHENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TOLUENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TRANS-1,3-DICHLOROPROPENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TRANS-1,4-DICHLORO-2-BUTENE							
TRICHLOROETHENE	UG/L	4DY	1UY	6DYJ	1UY	1UY	35DY
TRICHLOROFLUOROMETHANE							
VINYL ACETATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
VINYL CHLORIDE	UG/L	1UY	1UY	1UY	1UY	1UY	10UY
XYLENE (TOTAL)	UG/L	5UY	5UY	5UY	5UY	5UY	5UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:		10234	10235	10236	10237	10238	10239
SUB-SAMPLE ID:		00000	DUP	00000	00000	00000	00000
STATION ID:		MW194	MW194	MW195	MW196	MW197	MW198
SAMPLE DATE:		05/01/1991	05/01/1991	05/07/1991	05/09/1991	05/03/1991	05/07/1991
SAMPLE TIME:		14:45	14:45	13:50	16:15	15:00	09:30
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,1,1,2-TETRACHLOROETHANE							
1,1,1-TRICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1,2,2-TETRACHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1,2-TRICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1-DICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1-DICHLOROETHENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,2,3-TRICHLOROPROPANE							
1,2-DIBROMO-3-CHLOROPROPANE							
1,2-DIBROMOETHANE							
1,2-DICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,2-DICHLOROETHENE (TOTAL)	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,2-DICHLOROPROPANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
2-BUTANONE	UG/L	10UYR	10UYR	10UYR	10UYR	10UY	10UYR
2-CHLORO-1,3-BUTADIENE							
2-HEXANONE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
3-CHLOROPROPENE							
4-METHYL-2-PENTANONE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ACETONE	UG/L	10UY	10UY	16UYJB	10UYJB	10UYJB	10UYJB
ACETONITRILE							
ACROLEIN							
ACRYLONITRILE							
BENZENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMODICHLOROMETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMOFORM	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMOMETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CARBON DISULFIDE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CARBON TETRACHLORIDE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CHLOROBENZENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CHLOROETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CHLOROFORM	UG/L	5UY	5UY	5UY	5UY	5UY	5UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:		10234	10235	10236	10237	10238	10239
SUB-SAMPLE ID:		00000	DUP	00000	00000	00000	00000
STATION ID:		MW194	MW194	MW195	MW196	MW197	MW198
SAMPLE DATE:		05/01/1991	05/01/1991	05/07/1991	05/09/1991	05/03/1991	05/07/1991
SAMPLE TIME:		14:45	14:45	13:50	16:15	15:00	09:30
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
CHLOROMETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CIS-1,3-DICHLOROPROPENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
DIBROMOCHLOROMETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
DIBROMOMETHANE							
DICHLORODIFLUOROMETHANE							
ETHYL CYANIDE							
ETHYLBENZENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
IODOMETHANE							
ISOBUTYL ALCHOHOL							
METHACRYLONITRILE							
METHYLENE CHLORIDE	UG/L	5UYUJ	5UYUJ	8UYJB	22UYJB	5UYJB	5UYJB
STYRENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TETRACHLOROETHENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TOLUENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TRANS-1,3-DICHLOROPROPENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TRANS-1,4-DICHLORO-2-BUTENE							
TRICHLOROETHENE	UG/L	1UYUJ	1UY	2DY	0.1DYJ	2DY	11DY
TRICHLOROFLUOROMETHANE							
VINYL ACETATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
VINYL CHLORIDE	UG/L	1UY	1UY	1UY	10UY	1UY	1UY
XYLENE (TOTAL)	UG/L	5UY	5UY	5UY	5UY	5UY	5UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:		10240	10241	10242	10243	10244	10245
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW199	MW200	MW201	MW202	MW203	MW204
SAMPLE DATE:		05/14/1991	04/30/1991	05/07/1991	05/02/1991	05/09/1991	05/09/1991
SAMPLE TIME:		14:30	15:05	11:30	16:15	15:45	15:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,1,1,2-TETRACHLOROETHANE							
1,1,1-TRICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	20DY
1,1,2,2-TETRACHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1,2-TRICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	1DYJ
1,1-DICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	6DY
1,1-DICHLOROETHENE	UG/L	5UY	5UY	5UY	5UY	5UY	83DY
1,2,3-TRICHLOROPROPANE							
1,2-DIBROMO-3-CHLOROPROPANE							
1,2-DIBROMOETHANE							
1,2-DICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,2-DICHLOROETHENE (TOTAL)	UG/L	5UY	5UY	1DYJ	5UY	5UY	7DY
1,2-DICHLOROPROPANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
2-BUTANONE	UG/L	10UY	10UY	10UYR	10UY	10UYR	10UYR
2-CHLORO-1,3-BUTADIENE							
2-HEXANONE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
3-CHLOROPROPENE							
4-METHYL-2-PENTANONE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ACETONE	UG/L	10UYJB	10UYJB	11UYJB	10UYJB	10UYJB	10UYJB
ACETONITRILE							
ACROLEIN							
ACRYLONITRILE							
BENZENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMODICHLOROMETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMOFORM	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMOMETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CARBON DISULFIDE	UG/L	5UY	5UY	5UY	5UY	2DYJ	1DYJ
CARBON TETRACHLORIDE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CHLOROBENZENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CHLOROETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CHLOROFORM	UG/L	5UY	5UY	5UY	5UY	5UY	2DYJ

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:		10240	10241	10242	10243	10244	10245
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW199	MW200	MW201	MW202	MW203	MW204
SAMPLE DATE:		05/14/1991	04/30/1991	05/07/1991	05/02/1991	05/09/1991	05/09/1991
SAMPLE TIME:		14:30	15:05	11:30	16:15	15:45	15:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
CHLOROMETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CIS-1,3-DICHLOROPROPENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
DIBROMOCHLOROMETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
DIBROMOMETHANE							
DICHLORODIFLUOROMETHANE							
ETHYL CYANIDE							
ETHYLBENZENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
IODOMETHANE							
ISOBUTYL ALCHOHOL							
METHACRYLONITRILE							
METHYLENE CHLORIDE	UG/L	5UYJB	15UYJB	5UYJB	6UYJB	23UYJB	23UYJB
STYRENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TETRACHLOROETHENE	UG/L	5UY	5UY	5UY	5UY	5UY	6DY
TOLUENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TRANS-1,3-DICHLOROPROPENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TRANS-1,4-DICHLORO-2-BUTENE							
TRICHLOROETHENE	UG/L	1UY	0.6DYJ	100DY	46DY	11DY	110DY
TRICHLOROFLUOROMETHANE	UG/L						11DYJN
VINYL ACETATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
VINYL CHLORIDE	UG/L	1UY	10UY	1UY	1UY	10UY	10UY
XYLENE (TOTAL)	UG/L	5UY	5UY	5UY	5UY	5UY	5UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:		10246	10247	10248	10249	10250	10251
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW205	MW206	MW205	MW206	MW199	MW164
SAMPLE DATE:		05/13/1991	05/15/1991	05/21/1991	05/22/1991	05/21/1991	05/30/1991
SAMPLE TIME:		10:20	14:30	14:30	09:45	11:15	08:30
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,1,1,2-TETRACHLOROETHANE							
1,1,1-TRICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1,2,2-TETRACHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1,2-TRICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1-DICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1-DICHLOROETHENE	UG/L	5UY	1DYJ	5UY	1DYJ	5UY	5UY
1,2,3-TRICHLOROPROPANE							
1,2-DIBROMO-3-CHLOROPROPANE							
1,2-DIBROMOETHANE							
1,2-DICHLOROETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,2-DICHLOROETHENE (TOTAL)	UG/L	5UY	5UY	5UY	5UY	5UY	2DYJ
1,2-DICHLOROPROPANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
2-BUTANONE	UG/L	10UYR	10UYR	10UYR	10UYR	10UYR	10UYR
2-CHLORO-1,3-BUTADIENE							
2-HEXANONE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
3-CHLOROPROPENE							
4-METHYL-2-PENTANONE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ACETONE	UG/L	10UYJB	25UYJB	10UY	10UY	10UY	10UY
ACETONITRILE							
ACROLEIN							
ACRYLONITRILE							
BENZENE	UG/L	5UY	5UY	5UY	5UY	5UY	11DY
BROMODICHLOROMETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMOFORM	UG/L	2DYJ	5UY	5UY	5UY	5UY	5UY
BROMOMETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CARBON DISULFIDE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CARBON TETRACHLORIDE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CHLOROBENZENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CHLOROETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CHLOROFORM	UG/L	5UY	5UY	5UY	5UY	5UY	5UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:		10246	10247	10248	10249	10250	10251
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW205	MW206	MW205	MW206	MW199	MW164
SAMPLE DATE:		05/13/1991	05/15/1991	05/21/1991	05/22/1991	05/21/1991	05/30/1991
SAMPLE TIME:		10:20	14:30	14:30	09:45	11:15	08:30
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
CHLOROMETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CIS-1,3-DICHLOROPROPENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
DIBROMOCHLOROMETHANE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
DIBROMOMETHANE							
DICHLORODIFLUOROMETHANE							
ETHYL CYANIDE							
ETHYLBENZENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
IODOMETHANE							
ISOBUTYL ALCHOHOL							
METHACRYLONITRILE							
METHYLENE CHLORIDE	UG/L	15UYJB	17UYJB	5UY	5UY	5UY	22UYJB
STYRENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TETRACHLOROETHENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TOLUENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TRANS-1,3-DICHLOROPROPENE	UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TRANS-1,4-DICHLORO-2-BUTENE							
TRICHLOROETHENE	UG/L	10DYJ	0.6DYJ	23DY	1UY	1UY	1600DY
TRICHLOROFLUOROMETHANE							
VINYL ACETATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
VINYL CHLORIDE	UG/L	10UY	1UY	10UY	10UY	10UY	10UY
XYLENE (TOTAL)	UG/L	5UY	5UY	5UY	5UY	5UY	5UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:		10252	10898	10899	10985	10985	17063
SUB-SAMPLE ID:		00000	DUP	00000	00000	WS	00000
STATION ID:		MW165	MW201	MW066	C7302	C7302	C7302
SAMPLE DATE:		05/29/1991	04/25/1991	04/08/1991	05/10/1991	05/10/1991	03/15/1991
SAMPLE TIME:		16:20	16:04	13:45	07:00	07:00	13:45
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,1,1,2-TETRACHLOROETHANE							
1,1,1-TRICHLOROETHANE	UG/L	5UY	5UY	500UY	5UY	5UY	5UY
1,1,2,2-TETRACHLOROETHANE	UG/L	5UY	5UY	500UY	5UY	5UY	5UY
1,1,2-TRICHLOROETHANE	UG/L	5UY	5UY	500UY	5UY	5UY	5UY
1,1-DICHLOROETHANE	UG/L	5UY	5UY	500UY	5UY	5UY	5UY
1,1-DICHLOROETHENE	UG/L	5UY	5UY	500UY	5UY	5UY	5UY
1,2,3-TRICHLOROPROPANE							
1,2-DIBROMO-3-CHLOROPROPANE							
1,2-DIBROMOETHANE							
1,2-DICHLOROETHANE	UG/L	5UY	5UY	500UY	5UY	5UY	5UY
1,2-DICHLOROETHENE (TOTAL)	UG/L	5UY	1DYJ	500UY	5UY	5UY	5UY
1,2-DICHLOROPROPANE	UG/L	5UY	5UY	500UY	5UY	5UY	5UY
2-BUTANONE	UG/L	10UYR	10UYR	1000UYR	10UY	10UYR	10UY
2-CHLORO-1,3-BUTADIENE							
2-HEXANONE	UG/L	10UY	10UY	1000UY	10UY	10UY	10UY
3-CHLOROPROPENE							
4-METHYL-2-PENTANONE	UG/L	10UY	10UY	1000UY	10UY	10UY	10UY
ACETONE	UG/L	10UY	10UY	1700UYJB	10UYJB	15UYJB	10UYUJ
ACETONITRILE							
ACROLEIN							
ACRYLONITRILE							
BENZENE	UG/L	5UY	5UY	500UY	5UY	5UY	5UY
BROMODICHLOROMETHANE	UG/L	5UY	5UY	500UY	5UY	5UY	5UY
BROMOFORM	UG/L	5UY	5UY	500UY	5UY	5UY	5UY
BROMOMETHANE	UG/L	10UY	10UY	1000UY	10UY	10UY	10UY
CARBON DISULFIDE	UG/L	5UY	5UY	500UY	5UY	5UY	5UY
CARBON TETRACHLORIDE	UG/L	5UY	5UY	500UY	5UY	5UY	5UY
CHLOROBENZENE	UG/L	5UY	5UY	500UY	5UY	5UY	5UY
CHLOROETHANE	UG/L	10UY	10UY	1000UY	10UY	10UY	10UY
CHLOROFORM	UG/L	2DYJ	5UY	500UY	5UY	5UY	5UYUJ

Data Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:		10252	10898	10899	10985	10985	17063
SUB-SAMPLE ID:		00000	DUP	00000	00000	WS	00000
STATION ID:		MW165	MW201	MW066	C7302	C7302	C7302
SAMPLE DATE:		05/29/1991	04/25/1991	04/08/1991	05/10/1991	05/10/1991	03/15/1991
SAMPLE TIME:		16:20	16:04	13:45	07:00	07:00	13:45
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
CHLOROMETHANE	UG/L	10UY	10UY	1000UY	10UY	10UY	10UY
CIS-1,3-DICHLOROPROPENE	UG/L	5UY	5UY	500UY	5UY	5UY	5UY
DIBROMOCHLOROMETHANE	UG/L	5UY	5UY	500UY	5UY	5UY	5UY
DIBROMOMETHANE							
DICHLORODIFLUOROMETHANE							
ETHYL CYANIDE							
ETHYLBENZENE	UG/L	5UY	5UY	500UY	5UY	5UY	5UY
IODOMETHANE							
ISOBUTYL ALCOHOL							
METHACRYLONITRILE							
METHYLENE CHLORIDE	UG/L	7UYJB	5UYJB	1100UYJB	9UYJB	13UYJB	9UYUJ
STYRENE	UG/L	5UY	5UY	500UY	5UY	5UY	5UY
TETRACHLOROETHENE	UG/L	5UY	5UY	500UY	5UY	5UY	5UY
TOLUENE	UG/L	5UY	5UY	500UY	5UY	5UY	5UY
TRANS-1,3-DICHLOROPROPENE	UG/L	5UY	5UY	500UY	5UY	5UY	5UY
TRANS-1,4-DICHLORO-2-BUTENE							
TRICHLOROETHENE	UG/L	1DY	100DY	5800DY	1UY	1UY	1UY
TRICHLOROFLUOROMETHANE							
VINYL ACETATE	UG/L	10UY	10UY	1000UY	10UY	10UY	10UY
VINYL CHLORIDE	UG/L	10UY	1UY	100UY	1UY	1UY	1UY
XYLENE (TOTAL)	UG/L	5UY	5UY	500UY	5UY	5UY	5UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10001	10002	10003	10004	10005	10006
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW121	MW123	MW125	MW127	MW122	MW124
SAMPLE DATE:		03/25/1991	03/20/1991	03/20/1991	03/20/1991	03/11/1991	03/25/1991
SAMPLE TIME:		14:30	09:15	14:45	09:35	15:15	09:10
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,2,4,5-TETRACHLOROBENZENE							
1,2,4-TRICHLOROBENZENE	UG/L	10UY	11UY	10UY	10UY	10UY	10UY
1,2-DICHLOROBENZENE	UG/L	10UY	11UY	10UY	10UY	10UY	10UY
1,2-DIPHENYLHYDRAZINE							
1,3,5-TRINITROBENZENE							
1,3-DICHLOROBENZENE	UG/L	10UY	11UY	10UY	10UY	10UY	10UY
1,3-DINITROBENZENE							
1,4-DICHLOROBENZENE	UG/L	10UY	11UY	10UY	10UY	10UY	10UY
1,4-DIOXANE							
1,4-NAPHTHOQUINONE							
1-NAPHTHLAMINE							
2,3,4,6-TETRACHLOROPHENOL							
2,4,5-TRICHLOROPHENOL	UG/L	50UY	54UYR	50UY	50UY	50UY	50UY
2,4,6-TRICHLOROPHENOL	UG/L	10UY	11UYR	10UY	10UY	10UY	10UY
2,4-DICHLOROPHENOL	UG/L	10UY	11UYR	10UY	10UY	10UY	10UY
2,4-DIMETHYLPHENOL	UG/L	10UY	11UYR	10UY	10UY	10UY	10UY
2,4-DINITROPHENOL	UG/L	50UY	54UYR	50UY	50UY	50UY	50UY
2,4-DINITROTOLUENE	UG/L	10UY	11UY	10UY	10UY	10UY	10UY
2,6-DICHLOROPHENOL							
2,6-DINITROTOLUENE	UG/L	10UY	11UY	10UY	10UY	10UY	10UY
2-ACETYLAMINOFLUORENE							
2-CHLORONAPHTHALENE	UG/L	10UY	11UY	10UY	10UY	10UY	10UY
2-CHLOROPHENOL	UG/L	10UY	11UYR	10UY	10UY	10UY	10UY
2-METHYLNAPHTHALENE	UG/L	10UY	11UY	10UY	10UY	10UY	10UY
2-METHYLPHENOL	UG/L	10UY	11UYR	10UY	10UY	10UY	10UY
2-NAPHTHYLAMINE							
2-NITROANILINE	UG/L	50UY	54UY	50UY	50UY	50UY	50UY
2-NITROPHENOL	UG/L	10UY	11UYR	10UY	10UY	10UY	10UY
2-PICOLINE							
2-SEC-BUTYL-4,6-DINITROPHENOL							

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10001	10002	10003	10004	10005	10006
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW121	MW123	MW125	MW127	MW122	MW124
SAMPLE DATE:		03/25/1991	03/20/1991	03/20/1991	03/20/1991	03/11/1991	03/25/1991
SAMPLE TIME:		14:30	09:15	14:45	09:35	15:15	09:10
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
3,3'-DICHLOROBENZIDINE	UG/L	20UY	22UY	20UY	20UY	20UY	20UY
3,3'-DIMETHYLBENZIDINE							
3-HEXENE-2-5,DIONE							
3-METHYLCHOLANTHRENE							
3-METHYLPHENOL							
3-NITROANILINE	UG/L	50UY	54UY	50UY	50UY	50UY	50UY
4,6-DINITRO-2-METHYLPHENOL	UG/L	50UY	54UYR	50UY	50UY	50UY	50UY
4-AMINOBIPHENYL							
4-BROMOPHENYL PHENYL ETHER	UG/L	10UY	11UY	10UY	10UY	10UY	10UY
4-CHLORO-3-METHYLPHENOL	UG/L	10UY	11UYR	10UY	10UY	10UY	10UY
4-CHLOROANILINE	UG/L	10UY	11UY	10UY	10UY	10UY	10UY
4-CHLOROPHENYL PHENYL ETHER	UG/L	10UY	11UY	10UY	10UY	10UY	10UY
4-METHYLPHENOL	UG/L	10UY	11UYR	10UY	10UY	10UY	10UY
4-NITROANILINE	UG/L	50UY	54UY	50UY	50UY	50UY	50UY
4-NITROPHENOL	UG/L	50UY	54UYR	50UY	50UY	50UY	50UY
4-NITROQUINOLINE-1-OXIDE							
5-NITRO-O-TOLUIDINE							
7,12-DIMETHYLBENZ(A)ANTHRACENE							
A,A-DIMETHYLPHENETHYLAMINE							
ACENAPHTHENE	UG/L	10UY	11UY	10UY	10UY	10UY	10UY
ACENAPHTHYLENE	UG/L	10UY	11UY	10UY	10UY	10UY	10UY
ACETOPHENONE							
ANILINE							
ANTHRACENE	UG/L	10UY	11UY	10UY	10UY	10UY	10UY
ARAMITE							
BENZO(A)ANTHRACENE	UG/L	10UY	11UY	10UY	10UY	10UY	10UY
BENZO(A)PYRENE	UG/L	10UY	11UY	10UY	10UY	10UY	10UY
BENZO(B)FLUORANTHENE	UG/L	10UY	11UY	10UY	10UY	10UY	10UY
BENZO(GHI)PERYLENE	UG/L	10UY	11UY	10UY	10UY	10UY	10UY
BENZO(K)FLUORANTHENE	UG/L	10UY	11UY	10UY	10UY	10UY	10UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10001	10002	10003	10004	10005	10006
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW121	MW123	MW125	MW127	MW122	MW124
SAMPLE DATE:		03/25/1991	03/20/1991	03/20/1991	03/20/1991	03/11/1991	03/25/1991
SAMPLE TIME:		14:30	09:15	14:45	09:35	15:15	09:10
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
BENZOIC ACID	UG/L	50UY	54UYR	50UYR	50UYR	50UY	50UY
BENZYL ALCOHOL	UG/L	10UY	11UY	10UY	10UY	10UY	10UY
BENZYL BUTYL PHTHALATE	UG/L	10UY	11UY	10UY	10UY	10UY	10UY
BIS(2-CHLOROETHOXY) METHANE	UG/L	10UY	11UY	10UY	10UY	10UY	10UY
BIS(2-CHLOROETHYL)ETHER	UG/L	10UY	11UY	10UY	10UY	10UY	10UY
BIS(2-CHLOROISOPROPYL) ETHER	UG/L	10UY	11UY	10UY	10UY	10UY	10UY
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	10UYUJ	11UY	10UY	10UY	10UY	10UYUJ
CHLOROBENZILATE							
CHRYSENE	UG/L	10UY	11UY	10UY	10UY	10UY	10UY
DI-N-BUTYL PHTHALATE	UG/L	10UYUJ	11UY	10UY	10UY	10UY	10UYUJ
DI-N-OCTYL PHTHALATE	UG/L	10UY	11UY	10UY	10UY	10UY	10UY
DIALLATE							
DIBENZO(A,H)ANTHRACENE	UG/L	10UY	11UY	10UY	10UY	10UY	10UY
DIBENZOFURAN	UG/L	10UY	11UY	10UY	10UY	10UY	10UY
DIETHYL PHTHALATE	UG/L	10UY	11UY	10UY	10UY	10UY	10UY
DIMETHYL PHTHALATE	UG/L	10UY	11UY	10UY	10UY	10UY	10UY
DIPHENYLAMINE							
ETHYL METHACRYLATE							
ETHYL METHANESULFONATE							
FLUORANTHENE	UG/L	10UY	11UY	10UY	10UY	10UY	10UY
FLUORENE	UG/L	10UY	11UY	10UY	10UY	10UY	10UY
HEXACHLOROBENZENE	UG/L	10UY	11UY	10UY	10UY	10UY	10UY
HEXACHLOROBUTADIENE	UG/L	10UY	11UY	10UY	10UY	10UY	10UY
HEXACHLOROCYCLOPENTADIENE	UG/L	10UY	11UY	10UY	10UY	10UY	10UY
HEXACHLOROETHANE	UG/L	10UY	11UY	10UY	10UY	10UY	10UY
HEXACHLOROPHENE							
HEXACHLOROPROPENE							
INDENO(1,2,3-CD)PYRENE	UG/L	10UY	11UY	10UY	10UY	10UY	10UY
ISOPHORONE	UG/L	10UY	11UY	10UY	10UY	10UY	10UY
ISOSAFROLE							

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10001	10002	10003	10004	10005	10006
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW121	MW123	MW125	MW127	MW122	MW124
SAMPLE DATE:		03/25/1991	03/20/1991	03/20/1991	03/20/1991	03/11/1991	03/25/1991
SAMPLE TIME:		14:30	09:15	14:45	09:35	15:15	09:10
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
METHAPYRILENE							
METHYL METHACRYLATE							
METHYL METHANESULFONATE							
N-NITROSO-DI-N-BUTYLAMINE							
N-NITROSO-DI-N-PROPYLAMINE	UG/L	10UY	11UY	10UY	10UY	10UY	10UY
N-NITROSODIETHYLAMINE							
N-NITROSODIMETHYLAMINE							
N-NITROSODIPHENYLAMINE	UG/L	10UY	11UY	10UY	10UY	10UY	10UY
N-NITROSOMETHYLETHYLAMINE							
N-NITROSOMORPHOLINE							
N-NITROSOPIPERIDINE							
N-NITROSOPYRROLIDINE							
NAPHTHALENE	UG/L	10UY	11UY	10UY	10UY	10UY	10UY
NITROBENZENE	UG/L	10UY	11UY	10UY	10UY	10UY	10UY
O-TOLUIDINE							
P-DIMETHYLAMINOAZOBENZENE							
P-PHENYLENEDIAMINE							
PENTACHLOROBENZENE							
PENTACHLOROETHANE							
PENTACHLORONITROBENZENE							
PENTACHLOROPHENOL	UG/L	50UY	54UYR	50UY	50UY	50UY	50UY
PHENACETIN							
PHENANTHRENE	UG/L	10UY	11UY	10UY	10UY	10UY	10UY
PHENOL	UG/L	10UY	11UYR	10UY	10UY	10UY	10UY
PRONAMIDE							
PYRENE	UG/L	10UY	11UY	10UY	10UY	10UY	10UY
PYRIDINE							
SAFROLE							

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10007	10008	10009	10010	10011	10012
SUB-SAMPLE ID:		00000	00000	00000	DUP	00000	00000
STATION ID:		MW126	MW128	MW140	MW140	MW141	MW142
SAMPLE DATE:		03/11/1991	03/11/1991	03/14/1991	03/14/1991	03/13/1991	03/14/1991
SAMPLE TIME:		10:20	11:25	11:30	11:30	15:00	08:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,2,4,5-TETRACHLOROBENZENE							
1,2,4-TRICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
1,2-DICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
1,2-DIPHENYLHYDRAZINE							
1,3,5-TRINITROBENZENE							
1,3-DICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
1,3-DINITROBENZENE							
1,4-DICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
1,4-DIOXANE							
1,4-NAPHTHOQUINONE							
1-NAPHTHLAMINE							
2,3,4,6-TETRACHLOROPHENOL							
2,4,5-TRICHLOROPHENOL	UG/L	50UY	50UY	50UYR	50UY	50UY	50UY
2,4,6-TRICHLOROPHENOL	UG/L	10UY	10UY	10UYR	10UY	10UY	10UY
2,4-DICHLOROPHENOL	UG/L	10UY	10UY	10UYR	10UY	10UY	10UY
2,4-DIMETHYLPHENOL	UG/L	10UY	10UY	10UYR	10UY	10UY	10UY
2,4-DINITROPHENOL	UG/L	50UY	50UY	50UYR	50UY	50UY	50UY
2,4-DINITROTOLUENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2,6-DICHLOROPHENOL							
2,6-DINITROTOLUENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-ACETYLAMINOFLUORENE							
2-CHLORONAPHTHALENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-CHLOROPHENOL	UG/L	10UY	10UY	10UYR	10UY	10UY	10UY
2-METHYLNAPHTHALENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-METHYLPHENOL	UG/L	10UY	10UY	10UYR	10UY	10UY	10UY
2-NAPHTHYLAMINE							
2-NITROANILINE	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
2-NITROPHENOL	UG/L	10UY	10UY	10UYR	10UY	10UY	10UY
2-PICOLINE							
2-SEC-BUTYL-4,6-DINITROPHENOL							

Data Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:		10007	10008	10009	10010	10011	10012
SUB-SAMPLE ID:		00000	00000	00000	DUP	00000	00000
STATION ID:		MW126	MW128	MW140	MW140	MW141	MW142
SAMPLE DATE:		03/11/1991	03/11/1991	03/14/1991	03/14/1991	03/13/1991	03/14/1991
SAMPLE TIME:		10:20	11:25	11:30	11:30	15:00	08:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
3,3'-DICHLOROBENZIDINE	UG/L	20UY	20UY	20UY	20UY	20UY	20UY
3,3'-DIMETHYLBENZIDINE							
3-HEXENE-2-5,DIONE							
3-METHYLCHOLANTHRENE							
3-METHYLPHENOL							
3-NITROANILINE	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
4,6-DINITRO-2-METHYLPHENOL	UG/L	50UY	50UY	50UYR	50UY	50UY	50UY
4-AMINOBIPHENYL							
4-BROMOPHENYL PHENYL ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-CHLORO-3-METHYLPHENOL	UG/L	10UY	10UY	10UYR	10UY	10UY	10UY
4-CHLOROANILINE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-CHLOROPHENYL PHENYL ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-METHYLPHENOL	UG/L	10UY	10UY	10UYR	10UY	10UY	10UY
4-NITROANILINE	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
4-NITROPHENOL	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
4-NITROQUINOLINE-1-OXIDE							
5-NITRO-O-TOLUIDINE							
7,12-DIMETHYLBENZ(A)ANTHRACENE							
A,A-DIMETHYLPHENETHYLAMINE							
ACENAPHTHENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ACENAPHTHYLENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ACETOPHENONE							
ANILINE							
ANTHRACENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ARAMITE							
BENZO(A)ANTHRACENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(A)PYRENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(B)FLUORANTHENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(GHI)PERYLENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(K)FLUORANTHENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10007	10008	10009	10010	10011	10012
SUB-SAMPLE ID:		00000	00000	00000	DUP	00000	00000
STATION ID:		MW126	MW128	MW140	MW140	MW141	MW142
SAMPLE DATE:		03/11/1991	03/11/1991	03/14/1991	03/14/1991	03/13/1991	03/14/1991
SAMPLE TIME:		10:20	11:25	11:30	11:30	15:00	08:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
BENZOIC ACID	UG/L	50UY	50UY	50UYR	50UY	50UYR	50UY
BENZYL ALCOHOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZYL BUTYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BIS(2-CHLOROETHOXY) METHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BIS(2-CHLOROETHYL)ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BIS(2-CHLOROISOPROPYL) ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	10UY	10UYJB	10UY	10UY	10UY	10UY
CHLOROBENZILATE							
CHRYSENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DI-N-BUTYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DI-N-OCTYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIALLATE							
DIBENZO(A,H)ANTHRACENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIBENZOFURAN	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIETHYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIMETHYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIPHENYLAMINE							
ETHYL METHACRYLATE							
ETHYL METHANESULFONATE							
FLUORANTHENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
FLUORENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROBUTADIENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROCYCLOPENTADIENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROPHENE							
HEXACHLOROPROPENE							
INDENO(1,2,3-CD)PYRENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ISOPHORONE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ISOSAFROLE							

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10007	10008	10009	10010	10011	10012
SUB-SAMPLE ID:		00000	00000	00000	DUP	00000	00000
STATION ID:		MW126	MW128	MW140	MW140	MW141	MW142
SAMPLE DATE:		03/11/1991	03/11/1991	03/14/1991	03/14/1991	03/13/1991	03/14/1991
SAMPLE TIME:		10:20	11:25	11:30	11:30	15:00	08:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
METHAPYRILENE							
METHYL METHACRYLATE							
METHYL METHANESULFONATE							
N-NITROSO-DI-N-BUTYLAMINE							
N-NITROSO-DI-N-PROPYLAMINE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
N-NITROSODIETHYLAMINE							
N-NITROSODIMETHYLAMINE							
N-NITROSODIPHENYLAMINE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
N-NITROSOMETHYLETHYLAMINE							
N-NITROSOMORPHOLINE							
N-NITROSOPIPERIDINE							
N-NITROSOPYRROLIDINE							
NAPHTHALENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
NITROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
O-TOLUIDINE							
P-DIMETHYLAMINOAZOBENZENE							
P-PHENYLENEDIAMINE							
PENTACHLOROBENZENE							
PENTACHLOROETHANE							
PENTACHLORONITROBENZENE							
PENTACHLOROPHENOL	UG/L	50UY	50UY	50UYR	50UY	50UY	50UY
PHENACETIN							
PHENANTHRENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
PHENOL	UG/L	10UY	10UY	10UYR	10UY	10UY	10UY
PRONAMIDE							
PYRENE	UG/L	10UY	10UY	10UY	10UY	3DYJ	10UY
PYRIDINE							
SAFROLE							

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10013	10014	10015	10016	10017	10018
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW143	MW133	MW135	MW137	MW138	MW132
SAMPLE DATE:		03/13/1991	03/01/1991	03/01/1991	03/01/1991	03/13/1991	03/18/1991
SAMPLE TIME:		14:15	15:30	10:00	15:45	09:45	11:00
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,2,4,5-TETRACHLOROBENZENE							
1,2,4-TRICHLOROBENZENE	UG/L	10UY	20UY	10UY	10UY	10UY	10UY
1,2-DICHLOROBENZENE	UG/L	10UY	20UY	10UY	10UY	10UY	10UY
1,2-DIPHENYLHYDRAZINE							
1,3,5-TRINITROBENZENE							
1,3-DICHLOROBENZENE	UG/L	10UY	20UY	10UY	10UY	10UY	10UY
1,3-DINITROBENZENE							
1,4-DICHLOROBENZENE	UG/L	10UY	20UY	10UY	10UY	10UY	10UY
1,4-DIOXANE							
1,4-NAPHTHOQUINONE							
1-NAPHTHLAMINE							
2,3,4,6-TETRACHLOROPHENOL							
2,4,5-TRICHLOROPHENOL	UG/L	50UY	100UY	50UY	50UY	50UY	50UY
2,4,6-TRICHLOROPHENOL	UG/L	10UY	20UY	10UY	10UY	10UY	10UY
2,4-DICHLOROPHENOL	UG/L	10UY	20UY	10UY	10UY	10UY	10UY
2,4-DIMETHYLPHENOL	UG/L	10UY	20UY	10UY	10UY	10UY	10UY
2,4-DINITROPHENOL	UG/L	50UY	100UY	50UY	50UY	50UY	50UY
2,4-DINITROTOLUENE	UG/L	10UY	20UY	10UY	10UY	10UY	10UY
2,6-DICHLOROPHENOL							
2,6-DINITROTOLUENE	UG/L	10UY	20UY	10UY	10UY	10UY	10UY
2-ACETYLAMINOFLUORENE							
2-CHLORONAPHTHALENE	UG/L	10UY	20UY	10UY	10UY	10UY	10UY
2-CHLOROPHENOL	UG/L	10UY	20UY	10UY	10UY	10UY	10UY
2-METHYLNAPHTHALENE	UG/L	10UY	20UY	10UY	10UY	10UY	10UY
2-METHYLPHENOL	UG/L	10UY	20UY	10UY	10UY	10UY	10UY
2-NAPHTHYLAMINE							
2-NITROANILINE	UG/L	50UY	100UY	50UY	50UY	50UY	50UY
2-NITROPHENOL	UG/L	10UY	20UY	10UY	10UY	10UY	10UY
2-PICOLINE							
2-SEC-BUTYL-4,6-DINITROPHENOL							

Data Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:		10013	10014	10015	10016	10017	10018
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW143	MW133	MW135	MW137	MW138	MW132
SAMPLE DATE:		03/13/1991	03/01/1991	03/01/1991	03/01/1991	03/13/1991	03/18/1991
SAMPLE TIME:		14:15	15:30	10:00	15:45	09:45	11:00
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
3,3'-DICHLOROBENZIDINE	UG/L	20UY	40UY	20UY	20UY	20UY	20UY
3,3'-DIMETHYLBENZIDINE							
3-HEXENE-2-5,DIONE							
3-METHYLCHOLANTHRENE							
3-METHYLPHENOL							
3-NITROANILINE	UG/L	50UY	100UY	50UY	50UY	50UY	50UY
4,6-DINITRO-2-METHYLPHENOL	UG/L	50UY	100UY	50UY	50UY	50UY	50UY
4-AMINOBIPHENYL							
4-BROMOPHENYL PHENYL ETHER	UG/L	10UY	20UY	10UY	10UY	10UY	10UY
4-CHLORO-3-METHYLPHENOL	UG/L	10UY	20UY	10UY	10UY	10UY	10UY
4-CHLOROANILINE	UG/L	10UY	20UY	10UY	10UY	10UY	10UY
4-CHLOROPHENYL PHENYL ETHER	UG/L	10UY	20UY	10UY	10UY	10UY	10UY
4-METHYLPHENOL	UG/L	10UY	20UY	10UY	10UY	10UY	10UY
4-NITROANILINE	UG/L	50UY	100UY	50UY	50UY	50UY	50UY
4-NITROPHENOL	UG/L	50UY	100UY	50UY	50UY	50UY	50UY
4-NITROQUINOLINE-1-OXIDE							
5-NITRO-O-TOLUIDINE							
7,12-DIMETHYLBENZ(A)ANTHRACENE							
A,A-DIMETHYLPHENETHYLAMINE							
ACENAPHTHENE	UG/L	10UY	20UY	10UY	10UY	10UY	10UY
ACENAPHTHYLENE	UG/L	10UY	20UY	10UY	10UY	10UY	10UY
ACETOPHENONE							
ANILINE							
ANTHRACENE	UG/L	10UY	20UY	10UY	10UY	10UY	10UY
ARAMITE							
BENZO(A)ANTHRACENE	UG/L	10UY	20UY	10UY	10UY	10UY	10UY
BENZO(A)PYRENE	UG/L	10UY	20UY	10UY	10UY	10UY	10UY
BENZO(B)FLUORANTHENE	UG/L	10UY	20UY	10UY	10UY	10UY	10UY
BENZO(GHI)PERYLENE	UG/L	10UY	20UY	10UY	10UY	10UY	10UY
BENZO(K)FLUORANTHENE	UG/L	10UY	20UY	10UY	10UY	10UY	10UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10013	10014	10015	10016	10017	10018
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW143	MW133	MW135	MW137	MW138	MW132
SAMPLE DATE:		03/13/1991	03/01/1991	03/01/1991	03/01/1991	03/13/1991	03/18/1991
SAMPLE TIME:		14:15	15:30	10:00	15:45	09:45	11:00
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
BENZOIC ACID	UG/L	50UYR	100UY	50UY	50UY	50UYR	50UYR
BENZYL ALCOHOL	UG/L	10UY	20UY	10UY	10UY	10UY	10UY
BENZYL BUTYL PHTHALATE	UG/L	10UY	20UY	10UY	10UY	10UY	10UY
BIS(2-CHLOROETHOXY) METHANE	UG/L	10UY	20UY	10UY	10UY	10UY	10UY
BIS(2-CHLOROETHYL)ETHER	UG/L	10UY	20UY	10UY	10UY	10UY	10UY
BIS(2-CHLOROISOPROPYL) ETHER	UG/L	10UY	20UY	10UY	10UY	10UY	10UY
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	10UY	20UYUJ	10UY	10UY	10UY	3DYJ
CHLOROBENZILATE							
CHRYSENE	UG/L	10UY	20UY	10UY	10UY	10UY	10UY
DI-N-BUTYL PHTHALATE	UG/L	10UY	20UY	10UY	10UY	10UY	10UY
DI-N-OCTYL PHTHALATE	UG/L	10UY	20UY	10UY	10UY	10UY	10UY
DIALLATE							
DIBENZO(A,H)ANTHRACENE	UG/L	10UY	20UY	10UY	10UY	10UY	10UY
DIBENZOFURAN	UG/L	10UY	20UY	10UY	10UY	10UY	10UY
DIETHYL PHTHALATE	UG/L	10UY	20UY	10UY	10UY	10UY	10UY
DIMETHYL PHTHALATE	UG/L	10UY	20UY	10UY	10UY	10UY	10UY
DIPHENYLAMINE							
ETHYL METHACRYLATE							
ETHYL METHANESULFONATE							
FLUORANTHENE	UG/L	10UY	20UY	10UY	10UY	10UY	10UY
FLUORENE	UG/L	10UY	20UY	10UY	10UY	10UY	10UY
HEXACHLOROBENZENE	UG/L	10UY	20UY	10UY	10UY	10UY	10UY
HEXACHLOROBUTADIENE	UG/L	10UY	20UY	10UY	10UY	10UY	10UY
HEXACHLOROCYCLOPENTADIENE	UG/L	10UY	20UY	10UY	10UY	10UY	10UY
HEXACHLOROETHANE	UG/L	10UY	20UY	10UY	10UY	10UY	10UY
HEXACHLOROPHENE							
HEXACHLOROPROPENE							
INDENO(1,2,3-CD)PYRENE	UG/L	10UY	20UY	10UY	10UY	10UY	10UY
ISOPHORONE	UG/L	10UY	20UY	10UY	10UY	10UY	10UY
ISOSAFROLE							

Data Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:		10013	10014	10015	10016	10017	10018
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW143	MW133	MW135	MW137	MW138	MW132
SAMPLE DATE:		03/13/1991	03/01/1991	03/01/1991	03/01/1991	03/13/1991	03/18/1991
SAMPLE TIME:		14:15	15:30	10:00	15:45	09:45	11:00
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
METHAPYRILENE							
METHYL METHACRYLATE							
METHYL METHANESULFONATE							
N-NITROSO-DI-N-BUTYLAMINE							
N-NITROSO-DI-N-PROPYLAMINE	UG/L	10UY	20UY	10UY	10UY	10UY	10UY
N-NITROSODIETHYLAMINE							
N-NITROSODIMETHYLAMINE							
N-NITROSODIPHENYLAMINE	UG/L	10UY	20UYUJ	10UY	10UY	10UY	10UY
N-NITROSOMETHYLETHYLAMINE							
N-NITROSOMORPHOLINE							
N-NITROSOPIPERIDINE							
N-NITROSOPYRROLIDINE							
NAPHTHALENE	UG/L	10UY	20UY	10UYUJ	10UYUJ	10UY	10UY
NITROBENZENE	UG/L	10UY	20UY	10UY	10UY	10UY	10UY
O-TOLUIDINE							
P-DIMETHYLAMINOAZOBENZENE							
P-PHENYLENEDIAMINE							
PENTACHLOROBENZENE							
PENTACHLOROETHANE							
PENTACHLORONITROBENZENE							
PENTACHLOROPHENOL	UG/L	50UY	100UY	50UY	50UY	50UY	50UY
PHENACETIN							
PHENANTHRENE	UG/L	10UY	20UY	10UY	10UY	10UY	10UY
PHENOL	UG/L	10UY	20UY	10UY	10UY	10UY	10UY
PRONAMIDE							
PYRENE	UG/L	10UY	20UY	10UY	10UY	10UY	10UY
PYRIDINE							
SAFROLE							

ata Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10019	10020	10021	10022	10023	10024
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW132	MW139	MW146	MW147	MW134	MW144
SAMPLE DATE:		03/18/1991	03/18/1991	03/15/1991	03/15/1991	03/18/1991	03/05/1991
SAMPLE TIME:		11:00	10:00	08:15	09:15	16:00	16:00
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,2,4,5-TETRACHLOROBENZENE							
1,2,4-TRICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
1,2-DICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
1,2-DIPHENYLHYDRAZINE	UG/L						10UY
1,3,5-TRINITROBENZENE							
1,3-DICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
1,3-DINITROBENZENE							
1,4-DICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
1,4-DIOXANE							
1,4-NAPHTHOQUINONE							
1-NAPHTHLAMINE							
2,3,4,6-TETRACHLOROPHENOL							
2,4,5-TRICHLOROPHENOL	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
2,4,6-TRICHLOROPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2,4-DICHLOROPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2,4-DIMETHYLPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2,4-DINITROPHENOL	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
2,4-DINITROTOLUENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2,6-DICHLOROPHENOL							
2,6-DINITROTOLUENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-ACETYLAMINOFLUORENE							
2-CHLORONAPHTHALENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-CHLOROPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-METHYLNAPHTHALENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-METHYLPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-NAPHTHYLAMINE							
2-NITROANILINE	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
2-NITROPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-PICOLINE							
2-SEC-BUTYL-4,6-DINITROPHENOL							

ata Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:		10019	10020	10021	10022	10023	10024
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW132	MW139	MW146	MW147	MW134	MW144
SAMPLE DATE:		03/18/1991	03/18/1991	03/15/1991	03/15/1991	03/18/1991	03/05/1991
SAMPLE TIME:		11:00	10:00	08:15	09:15	16:00	16:00
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
3,3'-DICHLOROBENZIDINE	UG/L	20UY	20UY	20UY	20UY	20UY	20UY
3,3'-DIMETHYLBENZIDINE							
3-HEXENE-2-5,DIONE							
3-METHYLCHOLANTHRENE							
3-METHYLPHENOL							
3-NITROANILINE	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
4,6-DINITRO-2-METHYLPHENOL	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
4-AMINOBIPHENYL							
4-BROMOPHENYL PHENYL ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-CHLORO-3-METHYLPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-CHLOROANILINE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-CHLOROPHENYL PHENYL ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-METHYLPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-NITROANILINE	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
4-NITROPHENOL	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
4-NITROQUINOLINE-1-OXIDE							
5-NITRO-O-TOLUIDINE							
7,12-DIMETHYLBENZ(A)ANTHRACENE							
A,A-DIMETHYLPHENETHYLAMINE							
ACENAPHTHENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ACENAPHTHYLENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ACETOPHENONE							
ANILINE							
ANTHRACENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ARAMITE							
BENZO(A)ANTHRACENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(A)PYRENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(B)FLUORANTHENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(GHI)PERYLENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(K)FLUORANTHENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY

ata Format: value + detected flag + validated flag + qualifiers

DMS CHEMICAL OBSERVATIONS MATRIX
ROUNDWATER
ADUCAH PHASE II
AMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10019	10020	10021	10022	10023	10024
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW132	MW139	MW146	MW147	MW134	MW144
SAMPLE DATE:		03/18/1991	03/18/1991	03/15/1991	03/15/1991	03/18/1991	03/05/1991
SAMPLE TIME:		11:00	10:00	08:15	09:15	16:00	16:00
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
BENZOIC ACID	UG/L	50UYR	50UYR	50UYR	50UYR	50UY	50UY
BENZYL ALCOHOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZYL BUTYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BIS(2-CHLOROETHOXY) METHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BIS(2-CHLOROETHYL)ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BIS(2-CHLOROISOPROPYL) ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CHLOROBENZILATE							
CHRYSENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DI-N-BUTYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DI-N-OCTYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIALLATE							
DIBENZO(A,H)ANTHRACENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIBENZOFURAN	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIETHYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIMETHYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIPHENYLAMINE							
ETHYL METHACRYLATE							
ETHYL METHANESULFONATE							
FLUORANTHENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
FLUORENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROBUTADIENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROCYCLOPENTADIENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROPHENE							
HEXACHLOROPROPENE							
INDENO(1,2,3-CD)PYRENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ISOPHORONE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ISOSAFROLE							

ata Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:		10019	10020	10021	10022	10023	10024
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW132	MW139	MW146	MW147	MW134	MW144
SAMPLE DATE:		03/18/1991	03/18/1991	03/15/1991	03/15/1991	03/18/1991	03/05/1991
SAMPLE TIME:		11:00	10:00	08:15	09:15	16:00	16:00
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
METHAPYRILENE							
METHYL METHACRYLATE							
METHYL METHANESULFONATE							
N-NITROSO-DI-N-BUTYLAMINE							
N-NITROSO-DI-N-PROPYLAMINE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
N-NITROSODIETHYLAMINE							
N-NITROSODIMETHYLAMINE							
N-NITROSODIPHENYLAMINE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
N-NITROSOMETHYLETHYLAMINE							
N-NITROSOMORPHOLINE							
N-NITROSOPIPERIDINE							
N-NITROSOPYRROLIDINE							
NAPHTHALENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
NITROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
O-TOLUIDINE							
P-DIMETHYLAMINOAZOBENZENE							
P-PHENYLENEDIAMINE							
PENTACHLOROBENZENE							
PENTACHLOROETHANE							
PENTACHLORONITROBENZENE							
PENTACHLOROPHENOL	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
PHENACETIN							
PHENANTHRENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
PHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
PRONAMIDE							
PYRENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
PYRIDINE							
SAFROLE							

ata Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:		10025	10027	10028	10029	10030	10031
SUB-SAMPLE ID:		00000	00000	DUP	00000	00000	00000
STATION ID:		MW145	MW148	MW148	MW149	MW150	MW151
SAMPLE DATE:		03/07/1991	03/19/1991	03/19/1991	03/19/1991	03/21/1991	03/22/1991
SAMPLE TIME:		16:25	15:00	15:00	14:25	14:35	13:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,2,4,5-TETRACHLOROBENZENE							
1,2,4-TRICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
1,2-DICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
1,2-DIPHENYLHYDRAZINE							
1,3,5-TRINITROBENZENE							
1,3-DICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
1,3-DINITROBENZENE							
1,4-DICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
1,4-DIOXANE							
1,4-NAPHTHOQUINONE							
1-NAPHTHLAMINE							
2,3,4,6-TETRACHLOROPHENOL							
2,4,5-TRICHLOROPHENOL	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
2,4,6-TRICHLOROPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2,4-DICHLOROPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2,4-DIMETHYLPHENOL	UG/L	10UY	10UYR	10UYR	10UY	10UY	10UY
2,4-DINITROPHENOL	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
2,4-DINITROTOLUENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2,6-DICHLOROPHENOL							
2,6-DINITROTOLUENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-ACETYLAMINOFLUORENE							
2-CHLORONAPHTHALENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-CHLOROPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-METHYLNAPHTHALENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-METHYLPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-NAPHTHYLAMINE							
2-NITROANILINE	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
2-NITROPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-PICOLINE							
2-SEC-BUTYL-4,6-DINITROPHENOL							

ata Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:		10025	10027	10028	10029	10030	10031
SUB-SAMPLE ID:		00000	00000	DUP	00000	00000	00000
STATION ID:		MW145	MW148	MW148	MW149	MW150	MW151
SAMPLE DATE:		03/07/1991	03/19/1991	03/19/1991	03/19/1991	03/21/1991	03/22/1991
SAMPLE TIME:		16:25	15:00	15:00	14:25	14:35	13:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
3,3'-DICHLOROBENZIDINE	UG/L	20UY	20UY	20UY	20UY	20UY	20UY
3,3'-DIMETHYLBENZIDINE							
3-HEXENE-2-5,DIONE							
3-METHYLCHOLANTHRENE							
3-METHYLPHENOL							
3-NITROANILINE	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
4,6-DINITRO-2-METHYLPHENOL	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
4-AMINOBIPHENYL							
4-BROMOPHENYL PHENYL ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-CHLORO-3-METHYLPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-CHLOROANILINE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-CHLOROPHENYL PHENYL ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-METHYLPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-NITROANILINE	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
4-NITROPHENOL	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
4-NITROQUINOLINE-1-OXIDE							
5-NITRO-O-TOLUIDINE							
7,12-DIMETHYLBENZ(A)ANTHRACENE							
A,A-DIMETHYLPHENETHYLAMINE							
ACENAPHTHENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ACENAPHTHYLENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ACETOPHENONE							
ANILINE							
ANTHRACENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ARAMITE							
BENZO(A)ANTHRACENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(A)PYRENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(B)FLUORANTHENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(GHI)PERYLENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(K)FLUORANTHENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY

ata Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10025	10027	10028	10029	10030	10031
SUB-SAMPLE ID:		00000	00000	DUP	00000	00000	00000
STATION ID:		MW145	MW148	MW148	MW149	MW150	MW151
SAMPLE DATE:		03/07/1991	03/19/1991	03/19/1991	03/19/1991	03/21/1991	03/22/1991
SAMPLE TIME:		16:25	15:00	15:00	14:25	14:35	13:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
BENZOIC ACID	UG/L	50UYR	50UY	50UY	50UYR	50UYR	50UYR
BENZYL ALCOHOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZYL BUTYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BIS(2-CHLOROETHOXY) METHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BIS(2-CHLOROETHYL)ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BIS(2-CHLOROISOPROPYL) ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	3DYJ	10UY	10UY	10UY	10UY	5DYJ
CHLOROBENZILATE							
CHRYSENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DI-N-BUTYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DI-N-OCTYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIALLATE							
DIBENZO(A,H)ANTHRACENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIBENZOFURAN	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIETHYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIMETHYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIPHENYLAMINE							
ETHYL METHACRYLATE							
ETHYL METHANESULFONATE							
FLUORANTHENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
FLUORENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROBUTADIENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROCYCLOPENTADIENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROPHENE							
HEXACHLOROPROPENE							
INDENO(1,2,3-CD)PYRENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ISOPHORONE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ISOSAFROLE							

Data Format: value + detected flag + validated flag + qualifiers

DMS CHEMICAL OBSERVATIONS MATRIX
ROUNDWATER
ADUCAH PHASE II
AMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10025	10027	10028	10029	10030	10031
SUB-SAMPLE ID:		00000	00000	DUP	00000	00000	00000
STATION ID:		MW145	MW148	MW148	MW149	MW150	MW151
SAMPLE DATE:		03/07/1991	03/19/1991	03/19/1991	03/19/1991	03/21/1991	03/22/1991
SAMPLE TIME:		16:25	15:00	15:00	14:25	14:35	13:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
METHAPYRILENE							
METHYL METHACRYLATE							
METHYL METHANESULFONATE							
N-NITROSO-DI-N-BUTYLAMINE							
N-NITROSO-DI-N-PROPYLAMINE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
N-NITROSODIETHYLAMINE							
N-NITROSODIMETHYLAMINE							
N-NITROSODIPHENYLAMINE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
N-NITROSOMETHYLETHYLAMINE							
N-NITROSOMORPHOLINE							
N-NITROSOPIPERIDINE							
N-NITROSOPYRROLIDINE							
NAPHTHALENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
NITROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
O-TOLUIDINE							
P-DIMETHYLAMINOAZOBENZENE							
P-PHENYLENEDIAMINE							
PENTACHLOROBENZENE							
PENTACHLOROETHANE							
PENTACHLORONITROBENZENE							
PENTACHLOROPHENOL	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
PHENACETIN							
PHENANTHRENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
PHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
PRONAMIDE							
PYRENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
PYRIDINE							
SAFROLE							

)ata Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10032	10033	10034	10036	10037	10038
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW152	MW153	MW154	RW297	RW004	RW005
SAMPLE DATE:		03/21/1991	03/21/1991	04/02/1991	03/15/1991	03/04/1991	03/07/1991
SAMPLE TIME:		10:15		15:25	15:15	09:40	09:00
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,2,4,5-TETRACHLOROBENZENE							
1,2,4-TRICHLOROBENZENE	UG/L	10UY	10UY	11UY	11UY	10UY	10UY
1,2-DICHLOROBENZENE	UG/L	10UY	10UY	11UY	11UY	10UY	10UY
1,2-DIPHENYLHYDRAZINE	UG/L					10UY	
1,3,5-TRINITROBENZENE							
1,3-DICHLOROBENZENE	UG/L	10UY	10UY	11UY	11UY	10UY	10UY
1,3-DINITROBENZENE							
1,4-DICHLOROBENZENE	UG/L	10UY	10UY	11UY	11UY	10UY	10UY
1,4-DIOXANE							
1,4-NAPHTHOQUINONE							
1-NAPHTHLAMINE							
2,3,4,6-TETRACHLOROPHENOL							
2,4,5-TRICHLOROPHENOL	UG/L	50UY	52UY	55UY	56UY	50UY	50UY
2,4,6-TRICHLOROPHENOL	UG/L	10UY	10UY	11UY	11UY	10UY	10UY
2,4-DICHLOROPHENOL	UG/L	10UY	10UY	11UY	11UY	10UY	10UY
2,4-DIMETHYLPHENOL	UG/L	10UY	10UY	11UY	11UY	10UY	10UY
2,4-DINITROPHENOL	UG/L	50UY	52UY	55UY	56UY	50UY	50UY
2,4-DINITROTOLUENE	UG/L	10UY	10UY	11UY	11UY	10UY	10UY
2,6-DICHLOROPHENOL							
2,6-DINITROTOLUENE	UG/L	10UY	10UY	11UY	11UY	10UY	10UY
2-ACETYLAMINOFLUORENE							
2-CHLORONAPHTHALENE	UG/L	10UY	10UY	11UY	11UY	10UY	10UY
2-CHLOROPHENOL	UG/L	10UY	10UY	11UY	11UY	10UY	10UY
2-METHYLNAPHTHALENE	UG/L	10UY	10UY	11UY	11UY	10UY	10UY
2-METHYLPHENOL	UG/L	10UY	10UY	11UY	11UY	10UY	10UY
2-NAPHTHYLAMINE							
2-NITROANILINE	UG/L	50UY	52UY	55UY	56UY	50UY	50UY
2-NITROPHENOL	UG/L	10UY	10UY	11UY	11UY	10UY	10UY
2-PICOLINE							
2-SEC-BUTYL-4,6-DINITROPHENOL							

ata Format: value + detected flag + validated flag + qualifiers

DMS CHEMICAL OBSERVATIONS MATRIX
ROUNDWATER
ADUCAH PHASE II
AMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10032	10033	10034	10036	10037	10038
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW152	MW153	MW154	RW297	RW004	RW005
SAMPLE DATE:		03/21/1991	03/21/1991	04/02/1991	03/15/1991	03/04/1991	03/07/1991
SAMPLE TIME:		10:15		15:25	15:15	09:40	09:00
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
3,3'-DICHLOROBENZIDINE	UG/L	20UY	21UY	22UY	22UY	20UY	20UY
3,3'-DIMETHYLBENZIDINE							
3-HEXENE-2-5,DIONE							
3-METHYLCHOLANTHRENE							
3-METHYLPHENOL							
3-NITROANILINE	UG/L	50UY	52UY	55UY	56UY	50UY	50UY
4,6-DINITRO-2-METHYLPHENOL	UG/L	50UY	52UY	55UY	56UY	50UY	50UY
4-AMINOBIPHENYL							
4-BROMOPHENYL PHENYL ETHER	UG/L	10UY	10UY	11UY	11UY	10UY	10UY
4-CHLORO-3-METHYLPHENOL	UG/L	10UY	10UY	11UY	11UY	10UY	10UY
4-CHLOROANILINE	UG/L	10UY	10UY	11UY	11UY	10UY	10UY
4-CHLOROPHENYL PHENYL ETHER	UG/L	10UY	10UY	11UY	11UY	10UY	10UY
4-METHYLPHENOL	UG/L	10UY	10UY	11UY	11UY	10UY	10UY
4-NITROANILINE	UG/L	50UY	52UY	55UY	56UY	50UY	50UY
4-NITROPHENOL	UG/L	50UY	52UY	55UY	56UY	50UY	50UY
4-NITROQUINOLINE-1-OXIDE							
5-NITRO-O-TOLUIDINE							
7,12-DIMETHYLBENZ(A)ANTHRACENE							
A,A-DIMETHYLPHENETHYLAMINE							
ACENAPHTHENE	UG/L	10UY	10UY	11UY	11UY	10UY	10UY
ACENAPHTHYLENE	UG/L	10UY	10UY	11UY	11UY	10UY	10UY
ACETOPHENONE							
ANILINE							
ANTHRACENE	UG/L	10UY	10UY	11UY	11UY	10UY	10UY
ARAMITE							
BENZO(A)ANTHRACENE	UG/L	10UY	10UY	11UY	11UY	10UY	10UY
BENZO(A)PYRENE	UG/L	10UY	10UY	11UY	11UY	10UY	10UY
BENZO(B)FLUORANTHENE	UG/L	10UY	10UY	11UY	11UY	10UY	10UY
BENZO(GHI)PERYLENE	UG/L	10UY	10UY	11UY	11UY	10UY	10UY
BENZO(K)FLUORANTHENE	UG/L	10UY	10UY	11UY	11UY	10UY	10UY

)ata Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:		10032	10033	10034	10036	10037	10038
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW152	MW153	MW154	RW297	RW004	RW005
SAMPLE DATE:		03/21/1991	03/21/1991	04/02/1991	03/15/1991	03/04/1991	03/07/1991
SAMPLE TIME:		10:15		15:25	15:15	09:40	09:00
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
BENZOIC ACID	UG/L	50UYR	52UY	55UY	56UY	50UY	50UYR
BENZYL ALCOHOL	UG/L	10UY	10UY	11UY	11UY	10UY	10UY
BENZYL BUTYL PHTHALATE	UG/L	10UY	10UY	11UY	11UY	10UY	10UY
BIS(2-CHLOROETHOXY) METHANE	UG/L	10UY	10UY	11UY	11UY	10UY	10UY
BIS(2-CHLOROETHYL)ETHER	UG/L	10UY	10UY	11UY	11UY	10UY	10UY
BIS(2-CHLOROISOPROPYL) ETHER	UG/L	10UY	10UY	11UY	11UY	10UY	10UY
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	10UY	1DYJ	11UY	10DYJ	10UYUJ	10UY
CHLOROBENZILATE							
CHRYSENE	UG/L	10UY	10UY	11UY	11UY	10UY	10UY
DI-N-BUTYL PHTHALATE	UG/L	10UY	10UY	11UY	11UY	10UY	10UY
DI-N-OCTYL PHTHALATE	UG/L	10UY	10UY	11UY	11UY	10UY	10UY
DIALLATE							
DIBENZO(A,H)ANTHRACENE	UG/L	10UY	10UY	11UY	11UY	10UY	10UY
DIBENZOFURAN	UG/L	10UY	10UY	11UY	11UY	10UY	10UY
DIETHYL PHTHALATE	UG/L	10UY	10UY	11UY	11UY	10UY	10UY
DIMETHYL PHTHALATE	UG/L	10UY	10UY	11UY	11UY	10UY	10UY
DIPHENYLAMINE							
ETHYL METHACRYLATE							
ETHYL METHANESULFONATE							
FLUORANTHENE	UG/L	10UY	10UY	11UY	11UY	10UY	10UY
FLUORENE	UG/L	10UY	10UY	11UY	11UY	10UY	10UY
HEXACHLOROBENZENE	UG/L	10UY	10UY	11UY	11UY	10UY	10UY
HEXACHLOROBUTADIENE	UG/L	10UY	10UY	11UY	11UY	10UY	10UY
HEXACHLOROCYCLOPENTADIENE	UG/L	10UY	10UY	11UY	11UY	10UY	10UY
HEXACHLOROETHANE	UG/L	10UY	10UY	11UY	11UY	10UY	10UY
HEXACHLOROPHENE							
HEXACHLOROPROPENE							
INDENO(1,2,3-CD)PYRENE	UG/L	10UY	10UY	11UY	11UY	10UY	10UY
ISOPHORONE	UG/L	10UY	10UY	11UY	11UY	10UY	10UY
ISOSAFROLE							

Data Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:		10032	10033	10034	10036	10037	10038
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW152	MW153	MW154	RW297	RW004	RW005
SAMPLE DATE:		03/21/1991	03/21/1991	04/02/1991	03/15/1991	03/04/1991	03/07/1991
SAMPLE TIME:		10:15		15:25	15:15	09:40	09:00
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
METHAPYRILENE							
METHYL METHACRYLATE							
METHYL METHANESULFONATE							
N-NITROSO-DI-N-BUTYLAMINE							
N-NITROSO-DI-N-PROPYLAMINE	UG/L	10UY	10UY	11UY	11UY	10UY	10UY
N-NITROSODIETHYLAMINE							
N-NITROSODIMETHYLAMINE							
N-NITROSODIPHENYLAMINE	UG/L	10UY	10UY	11UY	11UY	10UY	10UY
N-NITROSOMETHYLETHYLAMINE							
N-NITROSOMORPHOLINE							
N-NITROSOPIPERIDINE							
N-NITROSOPYRROLIDINE							
NAPHTHALENE	UG/L	10UY	10UY	11UY	11UY	10UY	10UY
NITROBENZENE	UG/L	10UY	10UY	11UY	11UY	10UY	10UY
O-TOLUIDINE							
P-DIMETHYLAMINOAZOBENZENE							
P-PHENYLENEDIAMINE							
PENTACHLOROBENZENE							
PENTACHLOROETHANE							
PENTACHLORONITROBENZENE							
PENTACHLOROPHENOL	UG/L	50UY	52UY	55UY	56UY	50UY	50UY
PHENACETIN							
PHENANTHRENE	UG/L	10UY	10UY	11UY	11UY	10UY	10UY
PHENOL	UG/L	10UY	10UY	11UY	11UY	29DY	10UY
PRONAMIDE							
PYRENE	UG/L	10UY	10UY	11UY	11UY	10UY	10UY
PYRIDINE							
SAFROLE							

Data Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:		10039	10040	10041	10042	10043	10044
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		RW009	RW014	RW017	RW018	RW021	RW030
SAMPLE DATE:		03/04/1991	03/04/1991	03/08/1991	03/04/1991	03/05/1991	03/08/1991
SAMPLE TIME:		15:00	13:37	14:30	11:20	09:45	11:00
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,2,4,5-TETRACHLOROBENZENE							
1,2,4-TRICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
1,2-DICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
1,2-DIPHENYLHYDRAZINE	UG/L				10UY	10UY	
1,3,5-TRINITROBENZENE							
1,3-DICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
1,3-DINITROBENZENE							
1,4-DICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
1,4-DIOXANE							
1,4-NAPHTHOQUINONE							
1-NAPHTHLAMINE							
2,3,4,6-TETRACHLOROPHENOL							
2,4,5-TRICHLOROPHENOL	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
2,4,6-TRICHLOROPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2,4-DICHLOROPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2,4-DIMETHYLPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2,4-DINITROPHENOL	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
2,4-DINITROTOLUENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2,6-DICHLOROPHENOL							
2,6-DINITROTOLUENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-ACETYLAMINOFLUORENE							
2-CHLORONAPHTHALENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-CHLOROPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-METHYLNAPHTHALENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-METHYLPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-NAPHTHYLAMINE							
2-NITROANILINE	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
2-NITROPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-PICOLINE							
2-SEC-BUTYL-4,6-DINITROPHENOL							

Data Format: value + detected flag + validated flag + qualifiers

DMS CHEMICAL OBSERVATIONS MATRIX
ROUNDWATER
ADUCAH PHASE II
AMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10039	10040	10041	10042	10043	10044
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		RW009	RW014	RW017	RW018	RW021	RW030
SAMPLE DATE:		03/04/1991	03/04/1991	03/08/1991	03/04/1991	03/05/1991	03/08/1991
SAMPLE TIME:		15:00	13:37	14:30	11:20	09:45	11:00
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
3,3'-DICHLOROBENZIDINE	UG/L	20UY	20UY	20UY	20UY	20UY	20UY
3,3'-DIMETHYLBENZIDINE							
3-HEXENE-2-5,DIONE							
3-METHYLCHOLANTHRENE							
3-METHYLPHENOL							
3-NITROANILINE	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
4,6-DINITRO-2-METHYLPHENOL	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
4-AMINOBIPHENYL							
4-BROMOPHENYL PHENYL ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-CHLORO-3-METHYLPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-CHLOROANILINE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-CHLOROPHENYL PHENYL ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-METHYLPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-NITROANILINE	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
4-NITROPHENOL	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
4-NITROQUINOLINE-1-OXIDE							
5-NITRO-O-TOLUIDINE							
7,12-DIMETHYLBENZ(A)ANTHRACENE							
A,A-DIMETHYLPHENETHYLAMINE							
ACENAPHTHENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ACENAPHTHYLENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ACETOPHENONE							
ANILINE							
ANTHRACENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ARAMITE							
BENZO(A)ANTHRACENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(A)PYRENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(B)FLUORANTHENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(GHI)PERYLENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(K)FLUORANTHENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY

)ata Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10039	10040	10041	10042	10043	10044
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		RW009	RW014	RW017	RW018	RW021	RW030
SAMPLE DATE:		03/04/1991	03/04/1991	03/08/1991	03/04/1991	03/05/1991	03/08/1991
SAMPLE TIME:		15:00	13:37	14:30	11:20	09:45	11:00
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
BENZOIC ACID	UG/L	50UY	50UY	50UYR	50UY	50UY	50UYR
BENZYL ALCOHOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZYL BUTYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BIS(2-CHLOROETHOXY) METHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BIS(2-CHLOROETHYL)ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BIS(2-CHLOROISOPROPYL) ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	10UY	10UY	2DYJ	10UYUJ	2DYJ	2DYJ
CHLOROBENZILATE							
CHRYSENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DI-N-BUTYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DI-N-OCTYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIALLATE							
DIBENZO(A,H)ANTHRACENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIBENZOFURAN	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIETHYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIMETHYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIPHENYLAMINE							
ETHYL METHACRYLATE							
ETHYL METHANESULFONATE							
FLUORANTHENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
FLUORENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROBUTADIENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROCYCLOPENTADIENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROPHENE							
HEXACHLOROPROPENE							
INDENO(1,2,3-CD)PYRENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ISOPHORONE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ISOSAFROLE							

Data Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:		10039	10040	10041	10042	10043	10044
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		RW009	RW014	RW017	RW018	RW021	RW030
SAMPLE DATE:		03/04/1991	03/04/1991	03/08/1991	03/04/1991	03/05/1991	03/08/1991
SAMPLE TIME:		15:00	13:37	14:30	11:20	09:45	11:00
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
METHAPYRILENE							
METHYL METHACRYLATE							
METHYL METHANESULFONATE							
N-NITROSO-DI-N-BUTYLAMINE							
N-NITROSO-DI-N-PROPYLAMINE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
N-NITROSODIETHYLAMINE							
N-NITROSODIMETHYLAMINE							
N-NITROSODIPHENYLAMINE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
N-NITROSOMETHYLETHYLAMINE							
N-NITROSOMORPHOLINE							
N-NITROSOPIPERIDINE							
N-NITROSOPYRROLIDINE							
NAPHTHALENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
NITROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
O-TOLUIDINE							
P-DIMETHYLAMINOAZOBENZENE							
P-PHENYLENEDIAMINE							
PENTACHLOROBENZENE							
PENTACHLOROETHANE							
PENTACHLORONITROBENZENE							
PENTACHLOROPHENOL	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
PHENACETIN							
PHENANTHRENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
PHENOL	UG/L	10UY	10UY	10UY	57DY	10UY	10UY
PRONAMIDE							
PYRENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
PYRIDINE							
SAFROLE							

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10045	10046	10047	10048	10049	10050
SUB-SAMPLE ID:		00000	00000	DUP	00000	00000	00000
STATION ID:		RW040	RW053	RW053	RW251	RW252	RW324
SAMPLE DATE:		03/08/1991	03/05/1991	03/05/1991	03/15/1991	03/05/1991	03/05/1991
SAMPLE TIME:		09:45	10:45	10:50	08:45	08:15	13:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,2,4,5-TETRACHLOROBENZENE							
1,2,4-TRICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
1,2-DICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
1,2-DIPHENYLHYDRAZINE	UG/L				10UY	10UY	10UY
1,3,5-TRINITROBENZENE							
1,3-DICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
1,3-DINITROBENZENE							
1,4-DICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
1,4-DIOXANE							
1,4-NAPHTHOQUINONE							
1-NAPHTHLAMINE							
2,3,4,6-TETRACHLOROPHENOL							
2,4,5-TRICHLOROPHENOL	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
2,4,6-TRICHLOROPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2,4-DICHLOROPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2,4-DIMETHYLPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2,4-DINITROPHENOL	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
2,4-DINITROTOLUENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2,6-DICHLOROPHENOL							
2,6-DINITROTOLUENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-ACETYLAMINOFLUORENE							
2-CHLORONAPHTHALENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-CHLOROPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-METHYLNAPHTHALENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-METHYLPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-NAPHTHYLAMINE							
2-NITROANILINE	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
2-NITROPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-PICOLINE							
2-SEC-BUTYL-4,6-DINITROPHENOL							

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10045	10046	10047	10048	10049	10050
SUB-SAMPLE ID:		00000	00000	DUP	00000	00000	00000
STATION ID:		RW040	RW053	RW053	RW251	RW252	RW324
SAMPLE DATE:		03/08/1991	03/05/1991	03/05/1991	03/15/1991	03/05/1991	03/05/1991
SAMPLE TIME:		09:45	10:45	10:50	08:45	08:15	13:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
3,3'-DICHLOROBENZIDINE	UG/L	20UY	20UY	20UY	20UY	20UY	20UY
3,3'-DIMETHYLBENZIDINE							
3-HEXENE-2-5,DIONE							
3-METHYLCHOLANTHRENE							
3-METHYLPHENOL							
3-NITROANILINE	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
4,6-DINITRO-2-METHYLPHENOL	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
4-AMINOBIPHENYL							
4-BROMOPHENYL PHENYL ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-CHLORO-3-METHYLPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-CHLOROANILINE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-CHLOROPHENYL PHENYL ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-METHYLPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-NITROANILINE	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
4-NITROPHENOL	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
4-NITROQUINOLINE-1-OXIDE							
5-NITRO-O-TOLUIDINE							
7,12-DIMETHYLBENZ(A)ANTHRACENE							
A,A-DIMETHYLPHENETHYLAMINE							
ACENAPHTHENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ACENAPHTHYLENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ACETOPHENONE							
ANILINE							
ANTHRACENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ARAMITE							
BENZO(A)ANTHRACENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(A)PYRENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(B)FLUORANTHENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(GHI)PERYLENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(K)FLUORANTHENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10045	10046	10047	10048	10049	10050
SUB-SAMPLE ID:		00000	00000	DUP	00000	00000	00000
STATION ID:		RW040	RW053	RW053	RW251	RW252	RW324
SAMPLE DATE:		03/08/1991	03/05/1991	03/05/1991	03/15/1991	03/05/1991	03/05/1991
SAMPLE TIME:		09:45	10:45	10:50	08:45	08:15	13:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
BENZOIC ACID	UG/L	50UYR	50UY	50UY	50UY	50UY	50UY
BENZYL ALCOHOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZYL BUTYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BIS(2-CHLOROETHOXY) METHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BIS(2-CHLOROETHYL)ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BIS(2-CHLOROISOPROPYL) ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	9DYJ	10UY	10UY	43DY	10UY	2DYJ
CHLOROBENZILATE							
CHRYSENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DI-N-BUTYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DI-N-OCTYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIALLATE							
DIBENZO(A,H)ANTHRACENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIBENZOFURAN	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIETHYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIMETHYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIPHENYLAMINE							
ETHYL METHACRYLATE							
ETHYL METHANESULFONATE							
FLUORANTHENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
FLUORENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROBUTADIENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROCYCLOPENTADIENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROPHENE							
HEXACHLOROPROPENE							
INDENO(1,2,3-CD)PYRENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ISOPHORONE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ISOSAFROLE							

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10045	10046	10047	10048	10049	10050
SUB-SAMPLE ID:		00000	00000	DUP	00000	00000	00000
STATION ID:		RW040	RW053	RW053	RW251	RW252	RW324
SAMPLE DATE:		03/08/1991	03/05/1991	03/05/1991	03/15/1991	03/05/1991	03/05/1991
SAMPLE TIME:		09:45	10:45	10:50	08:45	08:15	13:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
METHAPYRILENE							
METHYL METHACRYLATE							
METHYL METHANESULFONATE							
N-NITROSO-DI-N-BUTYLAMINE							
N-NITROSO-DI-N-PROPYLAMINE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
N-NITROSODIETHYLAMINE							
N-NITROSODIMETHYLAMINE							
N-NITROSODIPHENYLAMINE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
N-NITROSOMETHYLETHYLAMINE							
N-NITROSOMORPHOLINE							
N-NITROSOPIPERIDINE							
N-NITROSOPYRROLIDINE							
NAPHTHALENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
NITROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
O-TOLUIDINE							
P-DIMETHYLAMINOAZOBENZENE							
P-PHENYLENEDIAMINE							
PENTACHLOROBENZENE							
PENTACHLOROETHANE							
PENTACHLORONITROBENZENE							
PENTACHLOROPHENOL	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
PHENACETIN							
PHENANTHRENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
PHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
PRONAMIDE							
PYRENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
PYRIDINE							
SAFROLE							

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10051	10052	10053	10054	10056	10058
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		RW294	MWD003	MWD004	MWD005	MWD009	MWD014
SAMPLE DATE:		03/04/1991	03/05/1991	03/04/1991	03/05/1991	03/07/1991	03/06/1991
SAMPLE TIME:		14:25	16:45	15:30	09:05	10:30	09:30
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,2,4,5-TETRACHLOROBENZENE							
1,2,4-TRICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
1,2-DICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
1,2-DIPHENYLHYDRAZINE	UG/L		10UY		10UY		
1,3,5-TRINITROBENZENE							
1,3-DICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
1,3-DINITROBENZENE							
1,4-DICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
1,4-DIOXANE							
1,4-NAPHTHOQUINONE							
1-NAPHTHLAMINE							
2,3,4,6-TETRACHLOROPHENOL							
2,4,5-TRICHLOROPHENOL	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
2,4,6-TRICHLOROPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2,4-DICHLOROPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2,4-DIMETHYLPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2,4-DINITROPHENOL	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
2,4-DINITROTOLUENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2,6-DICHLOROPHENOL							
2,6-DINITROTOLUENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-ACETYLAMINOFLUORENE							
2-CHLORONAPHTHALENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-CHLOROPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-METHYLNAPHTHALENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-METHYLPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-NAPHTHYLAMINE							
2-NITROANILINE	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
2-NITROPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-PICOLINE							
2-SEC-BUTYL-4,6-DINITROPHENOL							

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10051	10052	10053	10054	10056	10058
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		RW294	MWD003	MWD004	MWD005	MWD009	MWD014
SAMPLE DATE:		03/04/1991	03/05/1991	03/04/1991	03/05/1991	03/07/1991	03/06/1991
SAMPLE TIME:		14:25	16:45	15:30	09:05	10:30	09:30
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
3,3'-DICHLOROBENZIDINE	UG/L	20UY	20UY	20UY	20UY	20UY	20UY
3,3'-DIMETHYLBENZIDINE							
3-HEXENE-2-5,DIONE							
3-METHYLCHOLANTHRENE							
3-METHYLPHENOL							
3-NITROANILINE	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
4,6-DINITRO-2-METHYLPHENOL	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
4-AMINOBIPHENYL							
4-BROMOPHENYL PHENYL ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-CHLORO-3-METHYLPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-CHLOROANILINE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-CHLOROPHENYL PHENYL ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-METHYLPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-NITROANILINE	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
4-NITROPHENOL	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
4-NITROQUINOLINE-1-OXIDE							
5-NITRO-O-TOLUIDINE							
7,12-DIMETHYLBENZ(A)ANTHRACENE							
A,A-DIMETHYLPHENETHYLAMINE							
ACENAPHTHENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ACENAPHTHYLENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ACETOPHENONE							
ANILINE							
ANTHRACENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ARAMITE							
BENZO(A)ANTHRACENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(A)PYRENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(B)FLUORANTHENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(GHI)PERYLENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(K)FLUORANTHENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10051	10052	10053	10054	10056	10058
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		RW294	MWD003	MWD004	MWD005	MWD009	MWD014
SAMPLE DATE:		03/04/1991	03/05/1991	03/04/1991	03/05/1991	03/07/1991	03/06/1991
SAMPLE TIME:		14:25	16:45	15:30	09:05	10:30	09:30
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
BENZOIC ACID	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
BENZYL ALCOHOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZYL BUTYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BIS(2-CHLOROETHOXY) METHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BIS(2-CHLOROETHYL)ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BIS(2-CHLOROISOPROPYL) ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	10UY	13DY	10UY	12DY	3DYJ	10UYUJ
CHLOROBENZILATE							
CHRYSENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DI-N-BUTYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UYUJ
DI-N-OCTYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIALLATE							
DIBENZO(A,H)ANTHRACENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIBENZOFURAN	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIETHYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIMETHYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIPHENYLAMINE							
ETHYL METHACRYLATE							
ETHYL METHANESULFONATE							
FLUORANTHENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
FLUORENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROBUTADIENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROCYCLOPENTADIENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROPHENE							
HEXACHLOROPROPENE							
INDENO(1,2,3-CD)PYRENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ISOPHORONE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ISOSAFROLE							

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10051	10052	10053	10054	10056	10058
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		RW294	MWD003	MWD004	MWD005	MWD009	MWD014
SAMPLE DATE:		03/04/1991	03/05/1991	03/04/1991	03/05/1991	03/07/1991	03/06/1991
SAMPLE TIME:		14:25	16:45	15:30	09:05	10:30	09:30
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
METHAPYRILENE							
METHYL METHACRYLATE							
METHYL METHANESULFONATE							
N-NITROSO-DI-N-BUTYLAMINE							
N-NITROSO-DI-N-PROPYLAMINE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
N-NITROSODIETHYLAMINE							
N-NITROSODIMETHYLAMINE							
N-NITROSODIPHENYLAMINE	UG/L	10UY	10UY	10UY	10UY	10UYUJ	10UY
N-NITROSOMETHYLETHYLAMINE							
N-NITROSOMORPHOLINE							
N-NITROSOPIPERIDINE							
N-NITROSOPYRROLIDINE							
NAPHTHALENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
NITROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
O-TOLUIDINE							
P-DIMETHYLAMINOAZOBENZENE							
P-PHENYLENEDIAMINE							
PENTACHLOROBENZENE							
PENTACHLOROETHANE							
PENTACHLORONITROBENZENE							
PENTACHLOROPHENOL	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
PHENACETIN							
PHENANTHRENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
PHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
PRONAMIDE							
PYRENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
PYRIDINE							
SAFROLE							

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10059	10060	10061	10062	10063	10064
SUB-SAMPLE ID:		DUP	00000	00000	00000	00000	00000
STATION ID:		MWD014	MWD017	MWD019	MWD024	MWD025	MWD027
SAMPLE DATE:		03/06/1991	03/04/1991	03/05/1991	03/06/1991	03/06/1991	03/06/1991
SAMPLE TIME:		09:45	10:05	11:30	14:55	09:30	16:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,2,4,5-TETRACHLOROBENZENE							
1,2,4-TRICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
1,2-DICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
1,2-DIPHENYLHYDRAZINE	UG/L	10UY	10UY	10UY			
1,3,5-TRINITROBENZENE							
1,3-DICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
1,3-DINITROBENZENE							
1,4-DICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
1,4-DIOXANE							
1,4-NAPHTHOQUINONE							
1-NAPHTHLAMINE							
2,3,4,6-TETRACHLOROPHENOL							
2,4,5-TRICHLOROPHENOL	UG/L	50UY	50UY	50UY	50UYR	50UY	50UY
2,4,6-TRICHLOROPHENOL	UG/L	10UY	10UY	10UY	10UYR	10UY	10UY
2,4-DICHLOROPHENOL	UG/L	10UY	10UY	10UY	10UYR	10UY	10UY
2,4-DIMETHYLPHENOL	UG/L	10UY	10UY	10UY	10UYR	10UY	10UY
2,4-DINITROPHENOL	UG/L	50UY	50UY	50UY	50UYR	50UY	50UY
2,4-DINITROTOLUENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2,6-DICHLOROPHENOL							
2,6-DINITROTOLUENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-ACETYLAMINOFLUORENE							
2-CHLORONAPHTHALENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-CHLOROPHENOL	UG/L	10UY	10UY	10UY	10UYR	10UY	10UY
2-METHYLNAPHTHALENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-METHYLPHENOL	UG/L	10UY	10UY	10UY	10UYR	10UY	10UY
2-NAPHTHYLAMINE							
2-NITROANILINE	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
2-NITROPHENOL	UG/L	10UY	10UY	10UY	10UYR	10UY	10UY
2-PICOLINE							
2-SEC-BUTYL-4,6-DINITROPHENOL							

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10059	10060	10061	10062	10063	10064
SUB-SAMPLE ID:		DUP	00000	00000	00000	00000	00000
STATION ID:		MWD014	MWD017	MWD019	MWD024	MWD025	MWD027
SAMPLE DATE:		03/06/1991	03/04/1991	03/05/1991	03/06/1991	03/06/1991	03/06/1991
SAMPLE TIME:		09:45	10:05	11:30	14:55	09:30	16:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
3,3'-DICHLOROBENZIDINE	UG/L	20UY	20UY	20UY	20UY	20UY	20UY
3,3'-DIMETHYLBENZIDINE							
3-HEXENE-2-5,DIONE							
3-METHYLCHOLANTHRENE							
3-METHYLPHENOL							
3-NITROANILINE	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
4,6-DINITRO-2-METHYLPHENOL	UG/L	50UY	50UY	50UY	50UYR	50UY	50UY
4-AMINOBIPHENYL							
4-BROMOPHENYL PHENYL ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-CHLORO-3-METHYLPHENOL	UG/L	10UY	10UY	10UY	10UYR	10UY	10UY
4-CHLOROANILINE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-CHLOROPHENYL PHENYL ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-METHYLPHENOL	UG/L	10UY	10UY	10UY	10UYR	10UY	10UY
4-NITROANILINE	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
4-NITROPHENOL	UG/L	50UY	50UY	50UY	50UYR	50UY	50UY
4-NITROQUINOLINE-1-OXIDE							
5-NITRO-O-TOLUIDINE							
7,12-DIMETHYLBENZ(A)ANTHRACENE							
A,A-DIMETHYLPHENETHYLAMINE							
ACENAPHTHENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ACENAPHTHYLENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ACETOPHENONE							
ANILINE							
ANTHRACENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ARAMITE							
BENZO(A)ANTHRACENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(A)PYRENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(B)FLUORANTHENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(GHI)PERYLENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(K)FLUORANTHENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10059	10060	10061	10062	10063	10064
SUB-SAMPLE ID:		DUP	00000	00000	00000	00000	00000
STATION ID:		MWD014	MWD017	MWD019	MWD024	MWD025	MWD027
SAMPLE DATE:		03/06/1991	03/04/1991	03/05/1991	03/06/1991	03/06/1991	03/06/1991
SAMPLE TIME:		09:45	10:05	11:30	14:55	09:30	16:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
BENZOIC ACID	UG/L	50UY	50UY	50UY	50UYR	50UYR	50UYR
BENZYL ALCOHOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZYL BUTYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BIS(2-CHLOROETHOXY) METHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BIS(2-CHLOROETHYL)ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BIS(2-CHLOROISOPROPYL) ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	10UYUJ	10UYUJ	15DY	10UYUJ	3DYJ	3DYJ
CHLOROBENZILATE							
CHRYSENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DI-N-BUTYL PHTHALATE	UG/L	10UYUJ	10UY	10UY	10UYUJ	10UY	10UY
DI-N-OCTYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIALLATE							
DIBENZO(A,H)ANTHRACENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIBENZOFURAN	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIETHYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIMETHYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIPHENYLAMINE							
ETHYL METHACRYLATE							
ETHYL METHANESULFONATE							
FLUORANTHENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
FLUORENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROBUTADIENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROCYCLOPENTADIENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROPHENE							
HEXACHLOROPROPENE							
INDENO(1,2,3-CD)PYRENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ISOPHORONE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ISOSAFROLE							

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10059	10060	10061	10062	10063	10064
SUB-SAMPLE ID:		DUP	00000	00000	00000	00000	00000
STATION ID:		MWD014	MWD017	MWD019	MWD024	MWD025	MWD027
SAMPLE DATE:		03/06/1991	03/04/1991	03/05/1991	03/06/1991	03/06/1991	03/06/1991
SAMPLE TIME:		09:45	10:05	11:30	14:55	09:30	16:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
METHAPYRILENE							
METHYL METHACRYLATE							
METHYL METHANESULFONATE							
N-NITROSO-DI-N-BUTYLAMINE							
N-NITROSO-DI-N-PROPYLAMINE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
N-NITROSODIETHYLAMINE							
N-NITROSODIMETHYLAMINE							
N-NITROSODIPHENYLAMINE	UG/L	10UY	10UY	10UY	1DYJ	10UY	10UY
N-NITROSOMETHYLETHYLAMINE							
N-NITROSOMORPHOLINE							
N-NITROSOPIPERIDINE							
N-NITROSOPYRROLIDINE							
NAPHTHALENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
NITROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
O-TOLUIDINE							
P-DIMETHYLAMINOAZOBENZENE							
P-PHENYLENEDIAMINE							
PENTACHLOROBENZENE							
PENTACHLOROETHANE							
PENTACHLORONITROBENZENE							
PENTACHLOROPHENOL	UG/L	50UY	50UY	50UY	50UYR	50UY	50UY
PHENACETIN							
PHENANTHRENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
PHENOL	UG/L	10UY	10UY	10UY	10UYR	10UY	10UY
PRONAMIDE							
PYRENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
PYRIDINE							
SAFROLE							

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10065	10066	10067	10068	10069	10070
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		RW043	RW247	MW007	MW012	MW021	MW022
SAMPLE DATE:		03/07/1991	03/07/1991	04/02/1991	03/26/1991	03/26/1991	03/29/1991
SAMPLE TIME:		14:15	16:00	11:00	11:30	15:45	12:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,2,4,5-TETRACHLOROBENZENE							
1,2,4-TRICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
1,2-DICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
1,2-DIPHENYLHYDRAZINE							
1,3,5-TRINITROBENZENE							
1,3-DICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
1,3-DINITROBENZENE							
1,4-DICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
1,4-DIOXANE							
1,4-NAPHTHOQUINONE							
1-NAPHTHLAMINE							
2,3,4,6-TETRACHLOROPHENOL							
2,4,5-TRICHLOROPHENOL	UG/L	50UY	50UY	50UYR	50UY	50UY	50UYR
2,4,6-TRICHLOROPHENOL	UG/L	10UY	10UY	10UYR	10UY	10UY	10UYR
2,4-DICHLOROPHENOL	UG/L	10UY	10UY	10UYR	10UY	10UY	10UYR
2,4-DIMETHYLPHENOL	UG/L	10UY	10UY	10UYR	10UY	10UY	10UYR
2,4-DINITROPHENOL	UG/L	50UY	50UY	50UYR	50UY	50UY	50UYR
2,4-DINITROTOLUENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2,6-DICHLOROPHENOL							
2,6-DINITROTOLUENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-ACETYLAMINOFLUORENE							
2-CHLORONAPHTHALENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-CHLOROPHENOL	UG/L	10UY	10UY	10UYR	10UY	10UY	10UYR
2-METHYLNAPHTHALENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-METHYLPHENOL	UG/L	10UY	10UY	10UYR	10UY	10UY	10UYR
2-NAPHTHYLAMINE							
2-NITROANILINE	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
2-NITROPHENOL	UG/L	10UY	10UY	10UYR	10UY	10UY	10UYR
2-PICOLINE							
2-SEC-BUTYL-4,6-DINITROPHENOL							

Data Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:		10065	10066	10067	10068	10069	10070
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		RW043	RW247	MW007	MW012	MW021	MW022
SAMPLE DATE:		03/07/1991	03/07/1991	04/02/1991	03/26/1991	03/26/1991	03/29/1991
SAMPLE TIME:		14:15	16:00	11:00	11:30	15:45	12:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
3,3'-DICHLOROBENZIDINE	UG/L	20UY	20UY	20UY	20UY	20UY	20UY
3,3'-DIMETHYLBENZIDINE							
3-HEXENE-2-5,DIONE							
3-METHYLCHOLANTHRENE							
3-METHYLPHENOL							
3-NITROANILINE	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
4,6-DINITRO-2-METHYLPHENOL	UG/L	50UY	50UY	50UYR	50UY	50UY	50UYR
4-AMINOBIPHENYL							
4-BROMOPHENYL PHENYL ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-CHLORO-3-METHYLPHENOL	UG/L	10UY	10UY	10UYR	10UY	10UY	10UYR
4-CHLOROANILINE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-CHLOROPHENYL PHENYL ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-METHYLPHENOL	UG/L	10UY	10UY	10UYR	10UY	10UY	10UYR
4-NITROANILINE	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
4-NITROPHENOL	UG/L	50UY	50UY	50UYR	50UY	50UY	50UYR
4-NITROQUINOLINE-1-OXIDE							
5-NITRO-O-TOLUIDINE							
7,12-DIMETHYLBENZ(A)ANTHRACENE							
A,A-DIMETHYLPHENETHYLAMINE							
ACENAPHTHENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ACENAPHTHYLENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ACETOPHENONE							
ANILINE							
ANTHRACENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ARAMITE							
BENZO(A)ANTHRACENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(A)PYRENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(B)FLUORANTHENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(GHI)PERYLENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(K)FLUORANTHENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY

ata Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:		10065	10066	10067	10068	10069	10070
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		RW043	RW247	MW007	MW012	MW021	MW022
SAMPLE DATE:		03/07/1991	03/07/1991	04/02/1991	03/26/1991	03/26/1991	03/29/1991
SAMPLE TIME:		14:15	16:00	11:00	11:30	15:45	12:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
BENZOIC ACID	UG/L	50UY	50UYR	50UYR	50UY	50UY	50UYR
BENZYL ALCOHOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZYL BUTYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BIS(2-CHLOROETHOXY) METHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BIS(2-CHLOROETHYL)ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BIS(2-CHLOROISOPROPYL) ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	10UY	10UY	10UYUJ	10UYUJ	0.8DYJ	10UY
CHLOROBENZILATE							
CHRYSENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DI-N-BUTYL PHTHALATE	UG/L	10UY	10UY	10UYUJ	10UY	10UY	10UY
DI-N-OCTYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIALLATE							
DIBENZO(A,H)ANTHRACENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIBENZOFURAN	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIETHYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIMETHYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIPHENYLAMINE							
ETHYL METHACRYLATE							
ETHYL METHANESULFONATE							
FLUORANTHENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
FLUORENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROBUTADIENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROCYCLOPENTADIENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROPHENE							
HEXACHLOROPROPENE							
INDENO(1,2,3-CD)PYRENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ISOPHORONE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ISOSAFROLE							

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10065	10066	10067	10068	10069	10070
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		RW043	RW247	MW007	MW012	MW021	MW022
SAMPLE DATE:		03/07/1991	03/07/1991	04/02/1991	03/26/1991	03/26/1991	03/29/1991
SAMPLE TIME:		14:15	16:00	11:00	11:30	15:45	12:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
METHAPYRILENE							
METHYL METHACRYLATE							
METHYL METHANESULFONATE							
N-NITROSO-DI-N-BUTYLAMINE							
N-NITROSO-DI-N-PROPYLAMINE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
N-NITROSODIETHYLAMINE							
N-NITROSODIMETHYLAMINE							
N-NITROSODIPHENYLAMINE	UG/L	10UY	10UY	10UY	10UY	10UY	2DYJ
N-NITROSOMETHYLETHYLAMINE							
N-NITROSOMORPHOLINE							
N-NITROSOPIPERIDINE							
N-NITROSOPYRROLIDINE							
NAPHTHALENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
NITROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
O-TOLUIDINE							
P-DIMETHYLAMINOAZOBENZENE							
P-PHENYLENEDIAMINE							
PENTACHLOROBENZENE							
PENTACHLOROETHANE							
PENTACHLORONITROBENZENE							
PENTACHLOROPHENOL	UG/L	50UY	50UY	50UYR	50UY	50UY	50UYR
PHENACETIN							
PHENANTHRENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
PHENOL	UG/L	10UY	10UY	10UYR	10UY	10UY	10UYR
PRONAMIDE							
PYRENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
PYRIDINE							
SAFROLE							

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10071	10072	10073	10074	10075	10076
SUB-SAMPLE ID:		00000	00000	00000	DUP	00000	00000
STATION ID:		MW038	MW041	MW042	MW042	MW043	MW044
SAMPLE DATE:		04/04/1991	04/04/1991	04/04/1991	04/04/1991	04/24/1991	04/04/1991
SAMPLE TIME:		14:20	15:05	10:50	10:50	11:45	16:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,2,4,5-TETRACHLOROBENZENE							
1,2,4-TRICHLOROBENZENE	UG/L	11UY	10UY	10UY	10UY	10UY	10UY
1,2-DICHLOROBENZENE	UG/L	11UY	10UY	10UY	10UY	10UY	10UY
1,2-DIPHENYLHYDRAZINE	UG/L				10UY		
1,3,5-TRINITROBENZENE							
1,3-DICHLOROBENZENE	UG/L	11UY	10UY	10UY	10UY	10UY	10UY
1,3-DINITROBENZENE							
1,4-DICHLOROBENZENE	UG/L	11UY	10UY	10UY	10UY	10UY	10UY
1,4-DIOXANE							
1,4-NAPHTHOQUINONE							
1-NAPHTHLAMINE							
2,3,4,6-TETRACHLOROPHENOL							
2,4,5-TRICHLOROPHENOL	UG/L	55UY	50UY	50UY	50UY	50UY	50UY
2,4,6-TRICHLOROPHENOL	UG/L	11UY	10UY	10UY	10UY	10UY	10UY
2,4-DICHLOROPHENOL	UG/L	11UY	10UY	10UY	10UY	10UY	10UY
2,4-DIMETHYLPHENOL	UG/L	11UY	10UY	10UY	10UY	10UY	10UY
2,4-DINITROPHENOL	UG/L	55UY	50UY	50UY	50UY	50UY	50UY
2,4-DINITROTOLUENE	UG/L	11UY	10UY	10UY	10UY	10UY	10UY
2,6-DICHLOROPHENOL							
2,6-DINITROTOLUENE	UG/L	11UY	10UY	10UY	10UY	10UY	10UY
2-ACETYLAMINOFLUORENE							
2-CHLORONAPHTHALENE	UG/L	11UY	10UY	10UY	10UY	10UY	10UY
2-CHLOROPHENOL	UG/L	11UY	10UY	10UY	10UY	10UY	10UY
2-METHYLNAPHTHALENE	UG/L	11UY	10UY	10UY	10UY	10UY	10UY
2-METHYLPHENOL	UG/L	11UY	10UY	10UY	10UY	10UY	10UY
2-NAPHTHYLAMINE							
2-NITROANILINE	UG/L	55UY	50UY	50UY	50UY	50UY	50UY
2-NITROPHENOL	UG/L	11UY	10UY	10UY	10UY	10UY	10UY
2-PICOLINE							
2-SEC-BUTYL-4,6-DINITROPHENOL							

)ata Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:		10071	10072	10073	10074	10075	10076
SUB-SAMPLE ID:		00000	00000	00000	DUP	00000	00000
STATION ID:		MW038	MW041	MW042	MW042	MW043	MW044
SAMPLE DATE:		04/04/1991	04/04/1991	04/04/1991	04/04/1991	04/24/1991	04/04/1991
SAMPLE TIME:		14:20	15:05	10:50	10:50	11:45	16:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
3,3'-DICHLOROBENZIDINE	UG/L	22UY	20UY	20UY	20UY	20UY	20UY
3,3'-DIMETHYLBENZIDINE							
3-HEXENE-2-5,DIONE							
3-METHYLCHOLANTHRENE							
3-METHYLPHENOL							
3-NITROANILINE	UG/L	55UY	50UY	50UY	50UY	50UY	50UY
4,6-DINITRO-2-METHYLPHENOL	UG/L	55UY	50UY	50UY	50UY	50UY	50UY
4-AMINOBIPHENYL							
4-BROMOPHENYL PHENYL ETHER	UG/L	11UY	10UY	10UY	10UY	10UY	10UY
4-CHLORO-3-METHYLPHENOL	UG/L	11UY	10UY	10UY	10UY	10UY	10UY
4-CHLOROANILINE	UG/L	11UY	10UY	10UY	10UY	10UY	10UY
4-CHLOROPHENYL PHENYL ETHER	UG/L	11UY	10UY	10UY	10UY	10UY	10UY
4-METHYLPHENOL	UG/L	11UY	10UY	10UY	10UY	10UY	10UY
4-NITROANILINE	UG/L	55UY	50UY	50UY	50UY	50UY	50UY
4-NITROPHENOL	UG/L	55UY	50UY	50UY	50UY	50UY	50UY
4-NITROQUINOLINE-1-OXIDE							
5-NITRO-O-TOLUIDINE							
7,12-DIMETHYLBENZ(A)ANTHRACENE							
A,A-DIMETHYLPHENETHYLAMINE							
ACENAPHTHENE	UG/L	11UY	10UY	10UY	10UY	10UY	10UY
ACENAPHTHYLENE	UG/L	11UY	10UY	10UY	10UY	10UY	10UY
ACETOPHENONE							
ANILINE							
ANTHRACENE	UG/L	11UY	10UY	10UY	10UY	10UY	10UY
ARAMITE							
BENZO(A)ANTHRACENE	UG/L	11UY	10UY	10UY	10UY	10UY	10UY
BENZO(A)PYRENE	UG/L	11UY	10UY	10UY	10UY	10UY	10UY
BENZO(B)FLUORANTHENE	UG/L	11UY	10UY	10UY	10UY	10UY	10UY
BENZO(GHI)PERYLENE	UG/L	11UY	10UY	10UY	10UY	10UY	10UY
BENZO(K)FLUORANTHENE	UG/L	11UY	10UY	10UY	10UY	10UY	10UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10071	10072	10073	10074	10075	10076
SUB-SAMPLE ID:		00000	00000	00000	DUP	00000	00000
STATION ID:		MW038	MW041	MW042	MW042	MW043	MW044
SAMPLE DATE:		04/04/1991	04/04/1991	04/04/1991	04/04/1991	04/24/1991	04/04/1991
SAMPLE TIME:		14:20	15:05	10:50	10:50	11:45	16:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
BENZOIC ACID	UG/L	55UY	50UYJ	50UY	50UY	50UY	50UY
BENZYL ALCOHOL	UG/L	11UY	10UY	10UY	10UY	10UY	10UY
BENZYL BUTYL PHTHALATE	UG/L	11UY	10UY	10UY	10UY	10UY	10UY
BIS(2-CHLOROETHOXY) METHANE	UG/L	11UY	10UY	10UY	10UY	10UY	10UY
BIS(2-CHLOROETHYL)ETHER	UG/L	11UY	10UY	10UY	10UY	10UY	10UY
BIS(2-CHLOROISOPROPYL) ETHER	UG/L	11UY	10UY	10UY	10UY	10UY	10UY
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	11UY	10UY	10UY	67DY	4DYJ	10UY
CHLOROBENZILATE							
CHRYSENE	UG/L	11UY	10UY	10UY	10UY	10UY	10UY
DI-N-BUTYL PHTHALATE	UG/L	11UYUJ	10UY	10UY	10UY	10UY	10UY
DI-N-OCTYL PHTHALATE	UG/L	11UY	10UY	10UY	10UY	10UY	10UY
DIALLATE							
DIBENZO(A,H)ANTHRACENE	UG/L	11UY	10UY	10UY	10UY	10UY	10UY
DIBENZOFURAN	UG/L	11UY	10UY	10UY	10UY	10UY	10UY
DIETHYL PHTHALATE	UG/L	11UY	10UY	10UY	10UY	10UY	10UY
DIMETHYL PHTHALATE	UG/L	11UY	10UY	10UY	10UY	10UY	10UY
DIPHENYLAMINE							
ETHYL METHACRYLATE							
ETHYL METHANESULFONATE							
FLUORANTHENE	UG/L	11UY	10UY	10UY	10UY	10UY	10UY
FLUORENE	UG/L	11UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROBENZENE	UG/L	11UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROBUTADIENE	UG/L	11UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROCYCLOPENTADIENE	UG/L	11UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROETHANE	UG/L	11UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROPHENE							
HEXACHLOROPROPENE							
INDENO(1,2,3-CD)PYRENE	UG/L	11UY	10UY	10UY	10UY	10UY	10UY
ISOPHORONE	UG/L	11UY	10UY	10UY	10UY	10UY	10UY
ISOSAFROLE							

)ata Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10071	10072	10073	10074	10075	10076
SUB-SAMPLE ID:		00000	00000	00000	DUP	00000	00000
STATION ID:		MW038	MW041	MW042	MW042	MW043	MW044
SAMPLE DATE:		04/04/1991	04/04/1991	04/04/1991	04/04/1991	04/24/1991	04/04/1991
SAMPLE TIME:		14:20	15:05	10:50	10:50	11:45	16:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
METHAPYRILENE							
METHYL METHACRYLATE							
METHYL METHANESULFONATE							
N-NITROSO-DI-N-BUTYLAMINE							
N-NITROSO-DI-N-PROPYLAMINE	UG/L	11UY	10UY	10UY	10UY	10UY	10UY
N-NITROSODIETHYLAMINE							
N-NITROSODIMETHYLAMINE							
N-NITROSODIPHENYLAMINE	UG/L	11UY	10UY	10UY	10UY	10UY	10UY
N-NITROSOMETHYLETHYLAMINE							
N-NITROSOMORPHOLINE							
N-NITROSOPIPERIDINE							
N-NITROSOPYRROLIDINE							
NAPHTHALENE	UG/L	11UY	10UY	10UY	10UY	10UY	10UY
NITROBENZENE	UG/L	11UY	10UY	10UY	10UY	10UY	10UY
O-TOLUIDINE							
P-DIMETHYLAMINOAZOBENZENE							
P-PHENYLENEDIAMINE							
PENTACHLOROBENZENE							
PENTACHLOROETHANE							
PENTACHLORONITROBENZENE							
PENTACHLOROPHENOL	UG/L	55UY	50UY	50UY	50UY	50UY	50UY
PHENACETIN							
PHENANTHRENE	UG/L	11UY	10UY	10UY	10UY	10UY	10UY
PHENOL	UG/L	11UY	10UY	10UY	10UY	10UY	10UY
PRONAMIDE							
PYRENE	UG/L	11UY	10UY	10UY	10UY	10UY	10UY
PYRIDINE							
SAFROLE							

Data Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:		10077	10078	10082	10083	10084	10085
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW048	MW049	MW053	MW054	MW063	MW064
SAMPLE DATE:		04/03/1991	04/03/1991	04/23/1991	04/24/1991	03/08/1991	03/12/1991
SAMPLE TIME:		14:50	15:00	14:45	09:25	14:35	09:00
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,2,4,5-TETRACHLOROBENZENE							
1,2,4-TRICHLOROBENZENE	UG/L	10UY	13UY	10UY	10UY	10UY	10UY
1,2-DICHLOROBENZENE	UG/L	10UY	13UY	10UY	10UY	10UY	10UY
1,2-DIPHENYLHYDRAZINE							
1,3,5-TRINITROBENZENE							
1,3-DICHLOROBENZENE	UG/L	10UY	13UY	10UY	10UY	10UY	10UY
1,3-DINITROBENZENE							
1,4-DICHLOROBENZENE	UG/L	10UY	13UY	10UY	10UY	10UY	10UY
1,4-DIOXANE							
1,4-NAPHTHOQUINONE							
1-NAPHTHLAMINE							
2,3,4,6-TETRACHLOROPHENOL							
2,4,5-TRICHLOROPHENOL	UG/L	50UY	65UY	50UY	50UYR	50UY	50UY
2,4,6-TRICHLOROPHENOL	UG/L	10UY	13UY	10UY	10UYR	10UY	10UY
2,4-DICHLOROPHENOL	UG/L	10UY	13UY	10UY	10UYR	10UY	10UY
2,4-DIMETHYLPHENOL	UG/L	10UY	13UY	10UY	10UYR	10UY	10UY
2,4-DINITROPHENOL	UG/L	50UY	65UY	50UY	50UYR	50UY	50UY
2,4-DINITROTOLUENE	UG/L	10UY	13UY	10UY	10UY	10UY	10UY
2,6-DICHLOROPHENOL							
2,6-DINITROTOLUENE	UG/L	10UY	13UY	10UY	10UY	10UY	10UY
2-ACETYLAMINOFLUORENE							
2-CHLORONAPHTHALENE	UG/L	10UY	13UY	10UY	10UY	10UY	10UY
2-CHLOROPHENOL	UG/L	10UY	13UY	10UY	10UYR	10UY	10UY
2-METHYLNAPHTHALENE	UG/L	10UY	13UY	10UY	10UY	10UY	10UY
2-METHYLPHENOL	UG/L	10UY	13UY	10UY	10UYR	10UY	10UY
2-NAPHTHYLAMINE							
2-NITROANILINE	UG/L	50UY	65DY	50UY	50UY	50UY	50UY
2-NITROPHENOL	UG/L	10UY	13UY	10UY	10UYR	10UY	10UY
2-PICOLINE							
2-SEC-BUTYL-4,6-DINITROPHENOL							

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10077	10078	10082	10083	10084	10085
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW048	MW049	MW053	MW054	MW063	MW064
SAMPLE DATE:		04/03/1991	04/03/1991	04/23/1991	04/24/1991	03/08/1991	03/12/1991
SAMPLE TIME:		14:50	15:00	14:45	09:25	14:35	09:00
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
3,3'-DICHLOROBENZIDINE	UG/L	20UY	26UY	20UY	20UY	20UY	20UY
3,3'-DIMETHYLBENZIDINE							
3-HEXENE-2-5,DIONE							
3-METHYLCHOLANTHRENE							
3-METHYLPHENOL							
3-NITROANILINE	UG/L	50UY	65UY	50UY	50UY	50UY	50UY
4,6-DINITRO-2-METHYLPHENOL	UG/L	50UY	65UY	50UY	50UYR	50UY	50UY
4-AMINOBIPHENYL							
4-BROMOPHENYL PHENYL ETHER	UG/L	10UY	13UY	10UY	10UY	10UY	10UY
4-CHLORO-3-METHYLPHENOL	UG/L	10UY	13UY	10UY	10UYR	10UY	10UY
4-CHLOROANILINE	UG/L	10UY	13UY	10UY	10UY	10UY	10UY
4-CHLOROPHENYL PHENYL ETHER	UG/L	10UY	13UY	10UY	10UY	10UY	10UY
4-METHYLPHENOL	UG/L	10UY	13UY	10UY	10UYR	10UY	10UY
4-NITROANILINE	UG/L	50UY	65UY	50UY	50UY	50UY	50UY
4-NITROPHENOL	UG/L	50UY	65UY	50UY	50UYR	50UY	50UY
4-NITROQUINOLINE-1-OXIDE							
5-NITRO-O-TOLUIDINE							
7,12-DIMETHYLBENZ(A)ANTHRACENE							
A,A-DIMETHYLPHENETHYLAMINE							
ACENAPHTHENE	UG/L	10UY	13UY	10UY	10UY	10UY	10UY
ACENAPHTHYLENE	UG/L	10UY	13UY	10UY	10UY	10UY	10UY
ACETOPHENONE							
ANILINE							
ANTHRACENE	UG/L	10UY	13UY	10UY	10UY	10UY	10UY
ARAMITE							
BENZO(A)ANTHRACENE	UG/L	10UY	13UY	10UY	10UY	10UY	10UY
BENZO(A)PYRENE	UG/L	10UY	13UY	10UY	10UY	10UY	10UY
BENZO(B)FLUORANTHENE	UG/L	10UY	13UY	10UY	10UY	10UY	10UY
BENZO(GHI)PERYLENE	UG/L	10UY	13UY	10UY	10UY	10UY	10UY
BENZO(K)FLUORANTHENE	UG/L	10UY	13UY	10UY	10UY	10UY	10UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10077	10078	10082	10083	10084	10085
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW048	MW049	MW053	MW054	MW063	MW064
SAMPLE DATE:		04/03/1991	04/03/1991	04/23/1991	04/24/1991	03/08/1991	03/12/1991
SAMPLE TIME:		14:50	15:00	14:45	09:25	14:35	09:00
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
BENZOIC ACID	UG/L	50UY	65UY	50UY	50UY	50UY	50UY
BENZYL ALCOHOL	UG/L	10UY	13UY	10UY	10UY	10UY	10UY
BENZYL BUTYL PHTHALATE	UG/L	10UY	13UY	10UY	10UY	10UY	10UY
BIS(2-CHLOROETHOXY) METHANE	UG/L	10UY	13UY	10UY	10UY	10UY	10UY
BIS(2-CHLOROETHYL)ETHER	UG/L	10UY	13UY	10UY	10UY	10UY	10UY
BIS(2-CHLOROISOPROPYL) ETHER	UG/L	10UY	13UY	10UY	10UY	10UY	10UY
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	10UY	6DYJ	10UY	13DY	2DYJ	10UY
CHLOROBENZILATE							
CHRYSENE	UG/L	10UY	13UY	10UY	10UY	10UY	10UY
DI-N-BUTYL PHTHALATE	UG/L	10UYUJ	13UYUJ	10UY	10UY	10UY	10UY
DI-N-OCTYL PHTHALATE	UG/L	10UY	13UY	10UY	10UY	10UY	10UY
DIALLATE							
DIBENZO(A,H)ANTHRACENE	UG/L	10UY	13UY	10UY	10UY	10UY	10UY
DIBENZOFURAN	UG/L	10UY	13UY	10UY	10UY	10UY	10UY
DIETHYL PHTHALATE	UG/L	10UY	13UY	10UY	10UY	10UY	10UY
DIMETHYL PHTHALATE	UG/L	10UY	13UY	10UY	10UY	10UY	10UY
DIPHENYLAMINE							
ETHYL METHACRYLATE							
ETHYL METHANESULFONATE							
FLUORANTHENE	UG/L	10UY	13UY	10UY	10UY	10UY	10UY
FLUORENE	UG/L	10UY	13UY	10UY	10UY	10UY	10UY
HEXACHLOROBENZENE	UG/L	10UY	13UY	10UY	10UY	10UY	10UY
HEXACHLOROBUTADIENE	UG/L	10UY	13UY	10UY	10UY	10UY	10UY
HEXACHLOROCYCLOPENTADIENE	UG/L	10UY	13UY	10UY	10UY	10UY	10UY
HEXACHLOROETHANE	UG/L	10UY	13UY	10UY	10UY	10UY	10UY
HEXACHLOROPHENE							
HEXACHLOROPROPENE							
INDENO(1,2,3-CD)PYRENE	UG/L	10UY	13UY	10UY	10UY	10UY	10UY
ISOPHORONE	UG/L	10UY	13UY	10UY	10UY	10UY	10UY
ISOSAFROLE							

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10077	10078	10082	10083	10084	10085
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW048	MW049	MW053	MW054	MW063	MW064
SAMPLE DATE:		04/03/1991	04/03/1991	04/23/1991	04/24/1991	03/08/1991	03/12/1991
SAMPLE TIME:		14:50	15:00	14:45	09:25	14:35	09:00
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
METHAPYRILENE							
METHYL METHACRYLATE							
METHYL METHANESULFONATE							
N-NITROSO-DI-N-BUTYLAMINE							
N-NITROSO-DI-N-PROPYLAMINE	UG/L	10UY	13UY	10UY	10UY	10UY	10UY
N-NITROSODIETHYLAMINE							
N-NITROSODIMETHYLAMINE							
N-NITROSODIPHENYLAMINE	UG/L	10UY	13UY	10UY	10UY	10UY	10UY
N-NITROSOMETHYLETHYLAMINE							
N-NITROSOMORPHOLINE							
N-NITROSOPIPERIDINE							
N-NITROSOPYRROLIDINE							
NAPHTHALENE	UG/L	10UY	13UY	10UY	10UY	10UY	10UY
NITROBENZENE	UG/L	10UY	13UY	10UY	10UY	10UY	10UY
O-TOLUIDINE							
P-DIMETHYLAMINOAZOBENZENE							
P-PHENYLENEDIAMINE							
PENTACHLOROBENZENE							
PENTACHLOROETHANE							
PENTACHLORONITROBENZENE							
PENTACHLOROPHENOL	UG/L	50UY	65UY	50UY	50UYR	50UY	50UY
PHENACETIN							
PHENANTHRENE	UG/L	10UY	13UY	10UY	10UY	10UY	10UY
PHENOL	UG/L	10UY	13UY	10UY	10UYR	10UY	10UY
PRONAMIDE							
PYRENE	UG/L	10UY	13UY	10UY	10UY	10UY	10UY
PYRIDINE							
SAFROLE							

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10086	10087	10088	10089	10090	10091
SUB-SAMPLE ID:		00000	00000	00000	DUP	00000	00000
STATION ID:		MW065	MW066	MW067	MW067	MW068	MW074
SAMPLE DATE:		03/08/1991	03/11/1991	03/11/1991	03/11/1991	03/14/1991	03/25/1991
SAMPLE TIME:		14:20	16:00	12:00	12:15	11:15	14:30
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,2,4,5-TETRACHLOROBENZENE							
1,2,4-TRICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
1,2-DICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
1,2-DIPHENYLHYDRAZINE							
1,3,5-TRINITROBENZENE							
1,3-DICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
1,3-DINITROBENZENE							
1,4-DICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
1,4-DIOXANE							
1,4-NAPHTHOQUINONE							
1-NAPHTHLAMINE							
2,3,4,6-TETRACHLOROPHENOL							
2,4,5-TRICHLOROPHENOL	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
2,4,6-TRICHLOROPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2,4-DICHLOROPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2,4-DIMETHYLPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2,4-DINITROPHENOL	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
2,4-DINITROTOLUENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2,6-DICHLOROPHENOL							
2,6-DINITROTOLUENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-ACETYLAMINOFLUORENE							
2-CHLORONAPHTHALENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-CHLOROPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-METHYLNAPHTHALENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-METHYLPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-NAPHTHYLAMINE							
2-NITROANILINE	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
2-NITROPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-PICOLINE							
2-SEC-BUTYL-4,6-DINITROPHENOL							

Data Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:		10086	10087	10088	10089	10090	10091
SUB-SAMPLE ID:		00000	00000	00000	DUP	00000	00000
STATION ID:		MW065	MW066	MW067	MW067	MW068	MW074
SAMPLE DATE:		03/08/1991	03/11/1991	03/11/1991	03/11/1991	03/14/1991	03/25/1991
SAMPLE TIME:		14:20	16:00	12:00	12:15	11:15	14:30
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
3,3'-DICHLOROBENZIDINE	UG/L	20UY	20UY	20UY	20UY	20UY	20UY
3,3'-DIMETHYLBENZIDINE							
3-HEXENE-2-5,DIONE							
3-METHYLCHOLANTHRENE							
3-METHYLPHENOL							
3-NITROANILINE	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
4,6-DINITRO-2-METHYLPHENOL	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
4-AMINOBIPHENYL							
4-BROMOPHENYL PHENYL ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-CHLORO-3-METHYLPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-CHLOROANILINE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-CHLOROPHENYL PHENYL ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-METHYLPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-NITROANILINE	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
4-NITROPHENOL	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
4-NITROQUINOLINE-1-OXIDE							
5-NITRO-O-TOLUIDINE							
7,12-DIMETHYLBENZ(A)ANTHRACENE							
A,A-DIMETHYLPHENETHYLAMINE							
ACENAPHTHENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ACENAPHTHYLENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ACETOPHENONE							
ANILINE							
ANTHRACENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ARAMITE							
BENZO(A)ANTHRACENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(A)PYRENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(B)FLUORANTHENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(GHI)PERYLENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(K)FLUORANTHENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10086	10087	10088	10089	10090	10091
SUB-SAMPLE ID:		00000	00000	00000	DUP	00000	00000
STATION ID:		MW065	MW066	MW067	MW067	MW068	MW074
SAMPLE DATE:		03/08/1991	03/11/1991	03/11/1991	03/11/1991	03/14/1991	03/25/1991
SAMPLE TIME:		14:20	16:00	12:00	12:15	11:15	14:30
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
BENZOIC ACID	UG/L	50UYR	50UY	50UY	50UY	50UY	50UY
BENZYL ALCOHOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZYL BUTYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BIS(2-CHLOROETHOXY) METHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BIS(2-CHLOROETHYL)ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BIS(2-CHLOROISOPROPYL) ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	2DYJ	89DY	4DYJ	10UY	1DYJ	10UYUJ
CHLOROBENZILATE							
CHRYSENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DI-N-BUTYL PHTHALATE	UG/L	10UY	10UYUJ	10UY	10UY	10UY	10UYUJ
DI-N-OCTYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIALLATE							
DIBENZO(A,H)ANTHRACENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIBENZOFURAN	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIETHYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIMETHYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIPHENYLAMINE							
ETHYL METHACRYLATE							
ETHYL METHANESULFONATE							
FLUORANTHENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
FLUORENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROBUTADIENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROCYCLOPENTADIENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROPHENE							
HEXACHLOROPROPENE							
INDENO(1,2,3-CD)PYRENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ISOPHORONE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ISOSAFROLE							

Data Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:		10086	10087	10088	10089	10090	10091
SUB-SAMPLE ID:		00000	00000	00000	DUP	00000	00000
STATION ID:		MW065	MW066	MW067	MW067	MW068	MW074
SAMPLE DATE:		03/08/1991	03/11/1991	03/11/1991	03/11/1991	03/14/1991	03/25/1991
SAMPLE TIME:		14:20	16:00	12:00	12:15	11:15	14:30
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
METHAPYRILENE							
METHYL METHACRYLATE							
METHYL METHANESULFONATE							
N-NITROSO-DI-N-BUTYLAMINE							
N-NITROSO-DI-N-PROPYLAMINE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
N-NITROSODIETHYLAMINE							
N-NITROSODIMETHYLAMINE							
N-NITROSODIPHENYLAMINE	UG/L	10UY	10UY	10UY	2DYJ	10UY	10UY
N-NITROSOMETHYLETHYLAMINE							
N-NITROSOMORPHOLINE							
N-NITROSOPIPERIDINE							
N-NITROSOPYRROLIDINE							
NAPHTHALENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
NITROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
O-TOLUIDINE							
P-DIMETHYLAMINOAZOBENZENE							
P-PHENYLENEDIAMINE							
PENTACHLOROBENZENE							
PENTACHLOROETHANE							
PENTACHLORONITROBENZENE							
PENTACHLOROPHENOL	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
PHENACETIN							
PHENANTHRENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
PHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
PRONAMIDE							
PYRENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
PYRIDINE							
SAFROLE							

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10092	10092	10093	10094	10095	10096
SUB-SAMPLE ID:		00000	DUP	00000	00000	DUP	00000
STATION ID:		MW084	MW084	MW085	MW086	MW086	MW087
SAMPLE DATE:		03/19/1991	03/19/1991	03/12/1991	03/19/1991	03/19/1991	03/20/1991
SAMPLE TIME:		15:20	15:20	16:00	11:00	11:30	12:00
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,2,4,5-TETRACHLOROBENZENE	UG/L	10UY		11UY	10UY		10UY
1,2,4-TRICHLOROBENZENE	UG/L	10UY		11UY	10UY	10UY	10UY
1,2-DICHLOROBENZENE	UG/L	10UY		11UY	10UY	10UY	10UY
1,2-DIPHENYLHYDRAZINE							
1,3,5-TRINITROBENZENE	UG/L	100UY		110UY	100UY		10UY
1,3-DICHLOROBENZENE	UG/L	10UY		11UY	10UY	10UY	10UY
1,3-DINITROBENZENE	UG/L	21UY		22UY	20UY		10UY
1,4-DICHLOROBENZENE	UG/L	10UY		11UY	10UY	10UY	10UY
1,4-DIOXANE	UG/L	21UY		22UY	20UY		10UY
1,4-NAPHTHOQUINONE	UG/L	52UY		55UY	50UY		10UY
1-NAPHTHLAMINE	UG/L	10UY		11UY	10UY		10UY
2,3,4,6-TETRACHLOROPHENOL	UG/L	10UY		11UY	10UY		10UY
2,4,5-TRICHLOROPHENOL	UG/L	52UY		55UY	50UY	50UY	50UY
2,4,6-TRICHLOROPHENOL	UG/L	10UY		11UY	10UY	10UY	10UY
2,4-DICHLOROPHENOL	UG/L	10UY		11UY	10UY	10UY	10UY
2,4-DIMETHYLPHENOL	UG/L	10UY		11UY	10UY	10UY	10UY
2,4-DINITROPHENOL	UG/L	52UY		55UY	50UY	50UY	50UY
2,4-DINITROTOLUENE	UG/L	10UY		11UY	10UY	10UY	10UY
2,6-DICHLOROPHENOL	UG/L	10UY		11UY	10UY		10UY
2,6-DINITROTOLUENE	UG/L	10UY		11UY	10UY	10UY	10UY
2-ACETYLAMINOFLUORENE	UG/L	21UY		22UY	20UY		10UY
2-CHLORONAPHTHALENE	UG/L	10UY		11UY	10UY	10UY	10UY
2-CHLOROPHENOL	UG/L	10UY		11UY	10UY	10UY	10UY
2-METHYLNAPHTHALENE	UG/L	10UY		11UY	10UY	10UY	10UY
2-METHYLPHENOL	UG/L	10UY		11UY	10UY	10UY	10UY
2-NAPHTHYLAMINE	UG/L	10UY		11UY	10UY		10UY
2-NITROANILINE	UG/L	52UY		55UY	50UY	50UY	50UY
2-NITROPHENOL	UG/L	10UY		11UY	10UY	10UY	10UY
2-PICOLINE	UG/L	10UY		11UY	10UY		10UY
2-SEC-BUTYL-4,6-DINITROPHENOL	UG/L	21UY		22UY	20UY		50UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:	10092	10092	10093	10094	10095	10096
SUB-SAMPLE ID:	00000	DUP	00000	00000	DUP	00000
STATION ID:	MW084	MW084	MW085	MW086	MW086	MW087
SAMPLE DATE:	03/19/1991	03/19/1991	03/12/1991	03/19/1991	03/19/1991	03/20/1991
SAMPLE TIME:	15:20	15:20	16:00	11:00	11:30	12:00
SAMPLE MATRIX:	GW	GW	GW	GW	GW	GW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
3,3'-DICHLOROBENZIDINE UG/L	21UY		22UY	20UY	20UY	20UY
3,3'-DIMETHYLBENZIDINE UG/L	21UY		22UY	20UY		10UY
3-HEXENE-2-5,DIONE						
3-METHYLCHOLANTHRENE UG/L	10UY		11UY	10UY		10UY
3-METHYLPHENOL UG/L	10UY		11UY	10UY		10UY
3-NITROANILINE UG/L	52UY		55UY	50UY	50UY	50UY
4,6-DINITRO-2-METHYLPHENOL UG/L	52UY		55UY	50UY	50UY	50UY
4-AMINOBIPHENYL UG/L	10UY		11UY	10UY		10UY
4-BROMOPHENYL PHENYL ETHER UG/L	10UY		11UY	10UY	10UY	10UY
4-CHLORO-3-METHYLPHENOL UG/L	10UY		11UY	10UY	10UY	10UY
4-CHLOROANILINE UG/L	10UY		11UY	10UY	10UY	10UY
4-CHLOROPHENYL PHENYL ETHER UG/L	10UY		11UY	10UY	10UY	10UY
4-METHYLPHENOL UG/L	10UY		11UY	10UY	10UY	10UY
4-NITROANILINE UG/L	52UY		55UY	50UY	50UY	50UY
4-NITROPHENOL UG/L	52UY		55UY	50UY	50UY	50UY
4-NITROQUINOLINE-1-OXIDE UG/L	52UY		55UY	50UY		20UY
5-NITRO-O-TOLUIDINE UG/L	21UY		22UY	20UY		10UY
7,12-DIMETHYLBENZ(A)ANTHRACENE UG/L	21UY		22UY	20UY		10UY
A,A-DIMETHYLPHENETHYLAMINE UG/L	52UY		55UY	50UY		10UY
ACENAPHTHENE UG/L	10UY		11UY	10UY	10UY	10UY
ACENAPHTHYLENE UG/L	10UY		11UY	10UY	10UY	10UY
ACETOPHENONE UG/L	10UY		11UY	10UY		10UY
ANILINE UG/L	52UY		55UY	50UY		10UY
ANTHRACENE UG/L	10UY		11UY	10UY	10UY	10UY
ARAMITE UG/L	21UY		22UY	20UY		20UY
BENZO(A)ANTHRACENE UG/L	10UY		11UY	10UY	10UY	10UY
BENZO(A)PYRENE UG/L	10UY		11UY	10UY	10UY	10UY
BENZO(B)FLUORANTHENE UG/L	10UY		11UY	10UY	10UY	10UY
BENZO(GHI)PERYLENE UG/L	10UY		11UY	10UY	10UY	10UY
BENZO(K)FLUORANTHENE UG/L	10UY		11UY	10UY	10UY	10UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10092	10092	10093	10094	10095	10096
SUB-SAMPLE ID:		00000	DUP	00000	00000	DUP	00000
STATION ID:		MW084	MW084	MW085	MW086	MW086	MW087
SAMPLE DATE:		03/19/1991	03/19/1991	03/12/1991	03/19/1991	03/19/1991	03/20/1991
SAMPLE TIME:		15:20	15:20	16:00	11:00	11:30	12:00
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
BENZOIC ACID	UG/L	52UY		55UY	50UY	50UYR	50UY
BENZYL ALCOHOL	UG/L	10UY		11UY	10UY	10UY	10UY
BENZYL BUTYL PHTHALATE	UG/L	10UY		11UY	10UY	10UY	10UY
BIS(2-CHLOROETHOXY) METHANE	UG/L	10UY		11UY	10UY	10UY	10UY
BIS(2-CHLOROETHYL)ETHER	UG/L	10UY		11UY	10UY	10UY	10UY
BIS(2-CHLOROISOPROPYL) ETHER	UG/L	10UY		11UY	10UY	10UY	10UY
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	10UY		11UY	10UY	11DY	10UY
CHLOROBENZILATE	UG/L	10UY		11UY	10UY		10UY
CHRYSENE	UG/L	10UY		11UY	10UY	10UY	10UY
DI-N-BUTYL PHTHALATE	UG/L	10UY		11UY	10UY	10UY	10UY
DI-N-OCTYL PHTHALATE	UG/L	10UY		11UY	10UY	10UY	10UY
DIALLATE	UG/L	10UY		11UY	10UY		10UY
DIBENZO(A,H)ANTHRACENE	UG/L	10UY		11UY	10UY	10UY	10UY
DIBENZOFURAN	UG/L	10UY		11UY	10UY	10UY	10UY
DIETHYL PHTHALATE	UG/L	10UY		11UY	10UY	10UY	10UY
DIMETHYL PHTHALATE	UG/L	10UY		11UY	10UY	10UY	10UY
DIPHENYLAMINE	UG/L	10UY		11UY	10UY		10UY
ETHYL METHACRYLATE	UG/L	10UY		11UY	10UY		10UY
ETHYL METHANESULFONATE	UG/L	10UY		11UY	10UY		10UY
FLUORANTHENE	UG/L	10UY		11UY	10UY	10UY	10UY
FLUORENE	UG/L	10UY		11UY	10UY	10UY	10UY
HEXACHLOROBENZENE	UG/L	10UY		11UY	10UY	10UY	10UY
HEXACHLOROBUTADIENE	UG/L	10UY		11UY	10UY	10UY	10UY
HEXACHLOROCYCLOPENTADIENE	UG/L	10UY		11UY	10UY	10UY	10UY
HEXACHLOROETHANE	UG/L	10UY		11UY	10UY	10UY	10UY
HEXACHLOROPHENE	UG/L	100UY		110UY	100UY		90UY
HEXACHLOROPROPENE	UG/L	21UY		22UY	20UY		10UY
INDENO(1,2,3-CD)PYRENE	UG/L	10UY		11UY	10UY	10UY	10UY
ISOPHORONE	UG/L	10UY		11UY	10UY	10UY	10UY
ISOSAFROLE	UG/L	10UY		11UY	10UY		10UY

Data Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:		10092	10092	10093	10094	10095	10096
SUB-SAMPLE ID:		00000	DUP	00000	00000	DUP	00000
STATION ID:		MW084	MW084	MW085	MW086	MW086	MW087
SAMPLE DATE:		03/19/1991	03/19/1991	03/12/1991	03/19/1991	03/19/1991	03/20/1991
SAMPLE TIME:		15:20	15:20	16:00	11:00	11:30	12:00
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
METHAPYRILENE	UG/L	26UY		28UY	25UY		10UY
METHYL METHACRYLATE	UG/L	10UY		11UY	10UY		10UY
METHYL METHANESULFONATE	UG/L	10UY		11UY	10UY		10UY
N-NITROSO-DI-N-BUTYLAMINE	UG/L	10UY		11UY	10UY		10UY
N-NITROSO-DI-N-PROPYLAMINE	UG/L	10UY		11UY	10UY	10UY	10UY
N-NITROSODIETHYLAMINE	UG/L	10UY		11UY	10UY		10UY
N-NITROSODIMETHYLAMINE	UG/L	10UY		11UY	10UY		10UY
N-NITROSODIPHENYLAMINE	UG/L	10UY		11UY	10UY	10UY	10UY
N-NITROSOMETHYLETHYLAMINE	UG/L	10UY		11UY	10UY		10UY
N-NITROSOMORPHOLINE	UG/L	21UY		22UY	20UY		10UY
N-NITROSOPIPERIDINE	UG/L	10UY		11UY	10UY		50UY
N-NITROSOPYRROLIDINE	UG/L	52UY		55UY	50UY		10UY
NAPHTHALENE	UG/L	10UY		11UY	10UY	10UY	10UY
NITROBENZENE	UG/L	10UY		11UY	10UY	10UY	10UY
O-TOLUIDINE	UG/L	10UY		11UY	10UY		10UY
P-DIMETHYLAMINOAZOBENZENE	UG/L	21UY		22UY	20UY		10UY
P-PHENYLENEDIAMINE	UG/L	21UY		22UY	20UY		10UY
PENTACHLOROBENZENE	UG/L	10UY		11UY	10UY		10UY
PENTACHLOROETHANE	UG/L	10UY		11UY	10UY		10UY
PENTACHLORONITROBENZENE	UG/L	10UY		11UY	10UY		50UY
PENTACHLOROPHENOL	UG/L	52UY		55UY	50UY	50UY	50UY
PHENACETIN	UG/L	10UY		11UY	10UY		10UY
PHENANTHRENE	UG/L	10UY		11UY	10UY	10UY	10UY
PHENOL	UG/L	10UY		11UY	10UY	10UY	10UY
PRONAMIDE	UG/L	10UY		11UY	10UY		10UY
PYRENE	UG/L	10UY		11UY	10UY	10UY	10UY
PYRIDINE	UG/L	21UY		22UY	20UY		10UY
SAFROLE	UG/L	10UY		11UY	10UY		10UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10097	10098	10099	10100	10100	10101
SUB-SAMPLE ID:		00000	DUP	00000	00000	RE	00000
STATION ID:		MW088	MW088	MW089	MW090	MW090	MW091
SAMPLE DATE:		03/20/1991	03/20/1991	03/20/1991	03/21/1991	03/21/1991	03/21/1991
SAMPLE TIME:		15:45	16:00	15:00	09:45	09:45	10:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,2,4,5-TETRACHLOROBENZENE	UG/L	10UY		10UY	10UY		10UY
1,2,4-TRICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY		10UY
1,2-DICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY		10UY
1,2-DIPHENYLHYDRAZINE							
1,3,5-TRINITROBENZENE	UG/L	10UY		10UY	10UY		100UY
1,3-DICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY		10UY
1,3-DINITROBENZENE	UG/L	10UY		10UY	10UY		21UY
1,4-DICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY		10UY
1,4-DIOXANE	UG/L	10UY		10UY	10UY		21UY
1,4-NAPHTHOQUINONE	UG/L	10UY		10UY	10UY		52UY
1-NAPHTHLAMINE	UG/L	10UY		10UY	10UY		10UY
2,3,4,6-TETRACHLOROPHENOL	UG/L	10UY		10UY	10UY		10UY
2,4,5-TRICHLOROPHENOL	UG/L	50UY	50UY	50UYR	50UY		52UY
2,4,6-TRICHLOROPHENOL	UG/L	10UY	10UY	10UYR	10UY		10UY
2,4-DICHLOROPHENOL	UG/L	10UY	10UY	10UYR	10UY		10UY
2,4-DIMETHYLPHENOL	UG/L	10UY	10UY	10UYR	10UY		10UY
2,4-DINITROPHENOL	UG/L	50UY	50UY	50UYR	50UY		52UY
2,4-DINITROTOLUENE	UG/L	10UY	10UY	10UY	10UY		10UY
2,6-DICHLOROPHENOL	UG/L	10UY		10UY	10UY		10UY
2,6-DINITROTOLUENE	UG/L	10UY	10UY	10UY	10UY		10UY
2-ACETYLAMINOFLUORENE	UG/L	10UY		10UY	10UY		21UY
2-CHLORONAPHTHALENE	UG/L	10UY	10UY	10UY	10UY		10UY
2-CHLOROPHENOL	UG/L	10UY	10UY	10UYR	10UY		10UY
2-METHYLNAPHTHALENE	UG/L	10UY	10UY	10UY	10UY		10UY
2-METHYLPHENOL	UG/L	10UY	10UY	10UYR	10UY		10UY
2-NAPHTHYLAMINE	UG/L	10UY		10UY	10UY		10UY
2-NITROANILINE	UG/L	50UY	50UY	50UY	50UY		52UY
2-NITROPHENOL	UG/L	10UY	10UY	10UYR	10UY		10UY
2-PICOLINE	UG/L	10UY		10UY	10UY		10UY
2-SEC-BUTYL-4,6-DINITROPHENOL	UG/L	50UY		50UY	50UY		21UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10097	10098	10099	10100	10100	10101
SUB-SAMPLE ID:		00000	DUP	00000	00000	RE	00000
STATION ID:		MW088	MW088	MW089	MW090	MW090	MW091
SAMPLE DATE:		03/20/1991	03/20/1991	03/20/1991	03/21/1991	03/21/1991	03/21/1991
SAMPLE TIME:		15:45	16:00	15:00	09:45	09:45	10:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
3,3'-DICHLOROBENZIDINE	UG/L	20UY	20UY	20UY	20UY		21UY
3,3'-DIMETHYLBENZIDINE	UG/L	10UY		10UY	10UY		21UY
3-HEXENE-2-5,DIONE							
3-METHYLCHOLANTHRENE	UG/L	10UY		10UY	10UY		10UY
3-METHYLPHENOL	UG/L	10UY		10UY	10UY		10UY
3-NITROANILINE	UG/L	50UY	50UY	50UY	50UY		52UY
4,6-DINITRO-2-METHYLPHENOL	UG/L	50UY	50UY	50UYR	50UY		52UY
4-AMINOBIPHENYL	UG/L	10UY		10UY	10UY		10UY
4-BROMOPHENYL PHENYL ETHER	UG/L	10UY	10UY	10UY	10UY		10UY
4-CHLORO-3-METHYLPHENOL	UG/L	10UY	10UY	10UYR	10UY		10UY
4-CHLOROANILINE	UG/L	10UY	10UY	10UY	10UY		10UY
4-CHLOROPHENYL PHENYL ETHER	UG/L	10UY	10UY	10UY	10UY		10UY
4-METHYLPHENOL	UG/L	10UY	10UY	10UYR	10UY		10UY
4-NITROANILINE	UG/L	50UY	50UY	50UY	50UY		52UY
4-NITROPHENOL	UG/L	50UY	50UY	50UYR	50UY		52UY
4-NITROQUINOLINE-1-OXIDE	UG/L	20UY		20UY	20UY		52UY
5-NITRO-O-TOLUIDINE	UG/L	10UY		10UY	10UY		21UY
7,12-DIMETHYLBENZ(A)ANTHRACENE	UG/L	10UY		10UY	10UY		21UY
A,A-DIMETHYLPHENETHYLAMINE	UG/L	10UY		10UY	10UY		52UY
ACENAPHTHENE	UG/L	10UY	10UY	10UY	10UY		10UY
ACENAPHTHYLENE	UG/L	10UY	10UY	10UY	10UY		10UY
ACETOPHENONE	UG/L	10UY		10UY	10UY		10UY
ANILINE	UG/L	10UY		10UY	10UY		52UY
ANTHRACENE	UG/L	10UY	10UY	10UY	10UY		10UY
ARAMITE	UG/L	20UY		20UY	20UY		21UY
BENZO(A)ANTHRACENE	UG/L	10UY	10UY	10UY	10UY		10UY
BENZO(A)PYRENE	UG/L	10UY	10UY	10UY	10UY		10UY
BENZO(B)FLUORANTHENE	UG/L	10UY	10UY	10UY	10UY		10UY
BENZO(GHI)PERYLENE	UG/L	10UY	10UY	10UY	10UY		10UY
BENZO(K)FLUORANTHENE	UG/L	10UY	10UY	10UY	10UY		10UY

Data Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:		10097	10098	10099	10100	10100	10101
SUB-SAMPLE ID:		00000	DUP	00000	00000	RE	00000
STATION ID:		MW088	MW088	MW089	MW090	MW090	MW091
SAMPLE DATE:		03/20/1991	03/20/1991	03/20/1991	03/21/1991	03/21/1991	03/21/1991
SAMPLE TIME:		15:45	16:00	15:00	09:45	09:45	10:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
BENZOIC ACID	UG/L	50UY	50UY	50UYR	50UY		52UY
BENZYL ALCOHOL	UG/L	10UY	10UY	10UY	10UY		10UY
BENZYL BUTYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY		10UY
BIS(2-CHLOROETHOXY) METHANE	UG/L	10UY	10UY	10UY	10UY		10UY
BIS(2-CHLOROETHYL)ETHER	UG/L	10UY	10UY	10UY	10UY		10UY
BIS(2-CHLOROISOPROPYL) ETHER	UG/L	10UY	10UY	10UY	10UY		10UY
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	10UY	10UY	10UY	10UYJB		10UY
CHLOROBENZILATE	UG/L	10UY		10UY	10UY		10UY
CHRYSENE	UG/L	10UY	10UY	10UY	10UY		10UY
DI-N-BUTYL PHTHALATE	UG/L	1DYJ	1DYJ	10UY	10UY		10UY
DI-N-OCTYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY		10UY
DIALLATE	UG/L	10UY		10UY	10UY		10UY
DIBENZO(A,H)ANTHRACENE	UG/L	10UY	10UY	10UY	10UY		10UY
DIBENZOFURAN	UG/L	10UY	10UY	10UY	10UY		10UY
DIETHYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY		10UY
DIMETHYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY		10UY
DIPHENYLAMINE	UG/L	10UY		10UY	10UY		10UY
ETHYL METHACRYLATE	UG/L	10UY		10UY	10UY		10UY
ETHYL METHANESULFONATE	UG/L	10UY		10UY	10UY		10UY
FLUORANTHENE	UG/L	10UY	10UY	10UY	10UY		10UY
FLUORENE	UG/L	10UY	10UY	10UY	10UY		10UY
HEXACHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY		10UY
HEXACHLOROBUTADIENE	UG/L	10UY	10UY	10UY	10UY		10UY
HEXACHLOROCYCLOPENTADIENE	UG/L	10UY	10UY	10UY	10UY		10UY
HEXACHLOROETHANE	UG/L	10UY	10UY	10UY	10UY		10UY
HEXACHLOROPHENE	UG/L	90UY		90UY	90UY		100UY
HEXACHLOROPROPENE	UG/L	10UY		10UY	10UY		21UY
INDENO(1,2,3-CD)PYRENE	UG/L	10UY	10UY	10UY	10UY		10UY
ISOPHORONE	UG/L	10UY	10UY	10UY	10UY		10UY
ISOSAFROLE	UG/L	10UY		10UY	10UY		10UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10097	10098	10099	10100	10100	10101
SUB-SAMPLE ID:		00000	DUP	00000	00000	RE	00000
STATION ID:		MW088	MW088	MW089	MW090	MW090	MW091
SAMPLE DATE:		03/20/1991	03/20/1991	03/20/1991	03/21/1991	03/21/1991	03/21/1991
SAMPLE TIME:		15:45	16:00	15:00	09:45	09:45	10:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
METHAPYRILENE	UG/L	10UY		10UY	10UY		26UY
METHYL METHACRYLATE	UG/L	10UY		10UY	10UY		10UY
METHYL METHANESULFONATE	UG/L	10UY		10UY	10UY		10UY
N-NITROSO-DI-N-BUTYLAMINE	UG/L	10UY		10UY	10UY		10UY
N-NITROSO-DI-N-PROPYLAMINE	UG/L	10UY	10UY	10UY	10UY		10UY
N-NITROSODIETHYLAMINE	UG/L	10UY		10UY	10UY		10UY
N-NITROSODIMETHYLAMINE	UG/L	10UY		10UY	10UY		10UY
N-NITROSODIPHENYLAMINE	UG/L	10UY	10UY	10UY	10UY		10UY
N-NITROSOMETHYLETHYLAMINE	UG/L	10UY		10UY	10UY		10UY
N-NITROSOMORPHOLINE	UG/L	10UY		10UY	10UY		21UY
N-NITROSOPIPERIDINE	UG/L	50UY		50UY	50UY		10UY
N-NITROSOPYRROLIDINE	UG/L	10UY		10UY	10UY		52UY
NAPHTHALENE	UG/L	10UY	10UY	10UY	10UY		10UY
NITROBENZENE	UG/L	10UY	10UY	10UY	10UY		10UY
O-TOLUIDINE	UG/L	10UY		10UY	10UY		10UY
P-DIMETHYLAMINOAZOBENZENE	UG/L	10UY		10UY	10UY		21UY
P-PHENYLENEDIAMINE	UG/L	10UY		10UY	10UY		21UY
PENTACHLOROBENZENE	UG/L	10UY		10UY	10UY		10UY
PENTACHLOROETHANE	UG/L	10UY		10UY	10UY		10UY
PENTACHLORONITROBENZENE	UG/L	50UY		50UY	50UY		10UY
PENTACHLOROPHENOL	UG/L	50UY	50UY	50UYR	50UY		52UY
PHENACETIN	UG/L	10UY		10UY	10UY		10UY
PHENANTHRENE	UG/L	10UY	10UY	10UY	10UY		10UY
PHENOL	UG/L	10UY	10UY	10UYR	10UY		10UY
PRONAMIDE	UG/L	10UY		10UY	10UY		10UY
PYRENE	UG/L	10UY	10UY	10UY	10UY		10UY
PYRIDINE	UG/L	10UY		10UY	10UY		21UY
SAFROLE	UG/L	10UY		10UY	10UY		10UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:	10102	10102	10103	10104	10105	10105
SUB-SAMPLE ID:	00000	RE	00000	DUP	00000	RE
STATION ID:	MW092	MW092	MW093	MW093	MW094	MW094
SAMPLE DATE:	03/21/1991	03/21/1991	03/22/1991	03/22/1991	03/21/1991	03/21/1991
SAMPLE TIME:	10:45	10:45	13:40	13:50	16:30	16:30
SAMPLE MATRIX:	GW	GW	GW	GW	GW	GW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
1,2,4,5-TETRACHLOROBENZENE UG/L	10UY		9UY		10UY	
1,2,4-TRICHLOROBENZENE UG/L	10UY		9UY	10UY	10UY	
1,2-DICHLOROBENZENE UG/L	10UY		9UY	10UY	10UY	
1,2-DIPHENYLHYDRAZINE						
1,3,5-TRINITROBENZENE UG/L	10UY		94UY		10UY	
1,3-DICHLOROBENZENE UG/L	10UY		9UY	10UY	10UY	
1,3-DINITROBENZENE UG/L	10UY		19UY		10UY	
1,4-DICHLOROBENZENE UG/L	10UY		9UY	10UY	10UY	
1,4-DIOXANE UG/L	10UY		19UY		10UY	
1,4-NAPHTHOQUINONE UG/L	10UY		47UY		10UY	
1-NAPHTHLAMINE UG/L	10UY		9UY		10UY	
2,3,4,6-TETRACHLOROPHENOL UG/L	10UY		9UY		10UY	
2,4,5-TRICHLOROPHENOL UG/L	50UYR		47UY	50UY	50UY	
2,4,6-TRICHLOROPHENOL UG/L	10UYR		9UY	10UY	10UY	
2,4-DICHLOROPHENOL UG/L	10UYR		9UY	10UY	10UY	
2,4-DIMETHYLPHENOL UG/L	10UYR		9UY	10UY	10UY	
2,4-DINITROPHENOL UG/L	50UYR		47UY	50UY	50UY	
2,4-DINITROTOLUENE UG/L	10UY		9UY	10UY	10UY	
2,6-DICHLOROPHENOL UG/L	10UY		9UY		10UY	
2,6-DINITROTOLUENE UG/L	10UY		9UY	10UY	10UY	
2-ACETYLAMINOFLUORENE UG/L	10UY		19UY		10UY	
2-CHLORONAPHTHALENE UG/L	10UY		9UY	10UY	10UY	
2-CHLOROPHENOL UG/L	10UYR		9UY	10UY	10UY	
2-METHYLNAPHTHALENE UG/L	10UY		9UY	10UY	10UY	
2-METHYLPHENOL UG/L	10UYR		9UY	10UY	10UY	
2-NAPHTHYLAMINE UG/L	10UY		9UY		10UY	
2-NITROANILINE UG/L	50UY		47UY	50UY	50UY	
2-NITROPHENOL UG/L	10UYR		9UY	10UY	10UY	
2-PICOLINE UG/L	10UY		9UY		10UY	
2-SEC-BUTYL-4,6-DINITROPHENOL UG/L	50UY		19UY		50UY	

Data Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:		10102	10102	10103	10104	10105	10105
SUB-SAMPLE ID:		00000	RE	00000	DUP	00000	RE
STATION ID:		MW092	MW092	MW093	MW093	MW094	MW094
SAMPLE DATE:		03/21/1991	03/21/1991	03/22/1991	03/22/1991	03/21/1991	03/21/1991
SAMPLE TIME:		10:45	10:45	13:40	13:50	16:30	16:30
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
3,3'-DICHLOROBENZIDINE	UG/L	20UY		19UY	20UY	20UY	
3,3'-DIMETHYLBENZIDINE	UG/L	10UY		19UY		10UY	
3-HEXENE-2-5,DIONE							
3-METHYLCHOLANTHRENE	UG/L	10UY		9UY		10UY	
3-METHYLPHENOL	UG/L	10UY		9UY		10UY	
3-NITROANILINE	UG/L	50UY		47UY	50UY	50UY	
4,6-DINITRO-2-METHYLPHENOL	UG/L	50UYR		47UY	50UY	50UY	
4-AMINOBIPHENYL	UG/L	10UY		9UY		10UY	
4-BROMOPHENYL PHENYL ETHER	UG/L	10UY		9UY	10UY	10UY	
4-CHLORO-3-METHYLPHENOL	UG/L	10UYR		9UY	10UY	10UY	
4-CHLOROANILINE	UG/L	10UY		9UY	10UY	10UY	
4-CHLOROPHENYL PHENYL ETHER	UG/L	10UY		9UY	10UY	10UY	
4-METHYLPHENOL	UG/L	10UYR		9UY	10UY	10UY	
4-NITROANILINE	UG/L	50UY		47UY	50UY	50UY	
4-NITROPHENOL	UG/L	50UYR		47UY	50UY	50UY	
4-NITROQUINOLINE-1-OXIDE	UG/L	20UY		47UY		20UY	
5-NITRO-O-TOLUIDINE	UG/L	10UY		19UY		10UY	
7,12-DIMETHYLBENZ(A)ANTHRACENE	UG/L	10UY		19UY		10UY	
A,A-DIMETHYLPHENETHYLAMINE	UG/L	10UY		47UY		10UY	
ACENAPHTHENE	UG/L	10UY		9UY	10UY	10UY	
ACENAPHTHYLENE	UG/L	10UY		9UY	10UY	10UY	
ACETOPHENONE	UG/L	10UY		9UY		10UY	
ANILINE	UG/L	10UY		47UY		10UY	
ANTHRACENE	UG/L	10UY		9UY	10UY	10UY	
ARAMITE	UG/L	20UY		19UY		20UY	
BENZO(A)ANTHRACENE	UG/L	10UY		9UY	10UY	10UY	
BENZO(A)PYRENE	UG/L	10UY		9UY	10UY	10UY	
BENZO(B)FLUORANTHENE	UG/L	10UY		9UY	10UY	10UY	
BENZO(GHI)PERYLENE	UG/L	10UY		9UY	10UY	10UY	
BENZO(K)FLUORANTHENE	UG/L	10UY		9UY	10UY	10UY	

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10102	10102	10103	10104	10105	10105
SUB-SAMPLE ID:		00000	RE	00000	DUP	00000	RE
STATION ID:		MW092	MW092	MW093	MW093	MW094	MW094
SAMPLE DATE:		03/21/1991	03/21/1991	03/22/1991	03/22/1991	03/21/1991	03/21/1991
SAMPLE TIME:		10:45	10:45	13:40	13:50	16:30	16:30
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
BENZOIC ACID	UG/L	50UYR		47UY	50UYR	50UY	
BENZYL ALCOHOL	UG/L	10UY		9UY	10UY	10UY	
BENZYL BUTYL PHTHALATE	UG/L	10UY		9UY	10UY	10UY	
BIS(2-CHLOROETHOXY) METHANE	UG/L	10UY		9UY	10UY	10UY	
BIS(2-CHLOROETHYL)ETHER	UG/L	10UY		9UY	10UY	10UY	
BIS(2-CHLOROISOPROPYL) ETHER	UG/L	10UY		9UY	10UY	10UY	
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	10UY		9UY	10UY	10UYJB	
CHLOROBENZILATE	UG/L	10UY		9UY		10UY	
CHRYSENE	UG/L	10UY		9UY	10UY	10UY	
DI-N-BUTYL PHTHALATE	UG/L	10UY		9UY	10UY	10UYJB	
DI-N-OCTYL PHTHALATE	UG/L	10UY		9UY	10UY	10UY	
DIALLATE	UG/L	10UY		9UY		10UY	
DIBENZO(A,H)ANTHRACENE	UG/L	10UY		9UY	10UY	10UY	
DIBENZOFURAN	UG/L	10UY		9UY	10UY	10UY	
DIETHYL PHTHALATE	UG/L	10UY		9UY	10UY	10UY	
DIMETHYL PHTHALATE	UG/L	10UY		9UY	10UY	10UY	
DIPHENYLAMINE	UG/L	10UY		9UY		10UY	
ETHYL METHACRYLATE	UG/L	10UY		9UY		10UY	
ETHYL METHANESULFONATE	UG/L	10UY		9UY		10UY	
FLUORANTHENE	UG/L	10UY		9UY	10UY	10UY	
FLUORENE	UG/L	10UY		9UY	10UY	10UY	
HEXACHLOROBENZENE	UG/L	10UY		9UY	10UY	10UY	
HEXACHLOROBUTADIENE	UG/L	10UY		9UY	10UY	10UY	
HEXACHLOROCYCLOPENTADIENE	UG/L	10UY		9UY	10UY	10UY	
HEXACHLOROETHANE	UG/L	10UY		9UY	10UY	10UY	
HEXACHLOROPHENE	UG/L	90UY		94UY		90UY	
HEXACHLOROPROPENE	UG/L	10UY		19UY		10UY	
INDENO(1,2,3-CD)PYRENE	UG/L	10UY		9UY	10UY	10UY	
ISOPHORONE	UG/L	10UY		9UY	10UY	10UY	
ISOSAFROLE	UG/L	10UY		9UY		10UY	

Data Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:		10102	10102	10103	10104	10105	10105
SUB-SAMPLE ID:		00000	RE	00000	DUP	00000	RE
STATION ID:		MW092	MW092	MW093	MW093	MW094	MW094
SAMPLE DATE:		03/21/1991	03/21/1991	03/22/1991	03/22/1991	03/21/1991	03/21/1991
SAMPLE TIME:		10:45	10:45	13:40	13:50	16:30	16:30
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
METHAPYRILENE	UG/L	10UY		24UY		10UY	
METHYL METHACRYLATE	UG/L	10UY		9UY		10UY	
METHYL METHANESULFONATE	UG/L	10UY		9UY		10UY	
N-NITROSO-DI-N-BUTYLAMINE	UG/L	10UY		9UY		10UY	
N-NITROSO-DI-N-PROPYLAMINE	UG/L	10UY		9UY	10UY	10UY	
N-NITROSODIETHYLAMINE	UG/L	10UY		9UY		10UY	
N-NITROSODIMETHYLAMINE	UG/L	10UY		9UY		10UY	
N-NITROSODIPHENYLAMINE	UG/L	10UY		9UY	10UY	10UY	
N-NITROSOMETHYLETHYLAMINE	UG/L	10UY		9UY		10UY	
N-NITROSOMORPHOLINE	UG/L	10UY		19UY		10UY	
N-NITROSOPIPERIDINE	UG/L	50UY		9UY		50UY	
N-NITROSOPYRROLIDINE	UG/L	10UY		47UY		10UY	
NAPHTHALENE	UG/L	10UY		9UY	10UY	10UY	
NITROBENZENE	UG/L	10UY		9UY	10UY	10UY	
O-TOLUIDINE	UG/L	10UY		9UY		10UY	
P-DIMETHYLAMINOAZOBENZENE	UG/L	10UY		19UY		10UY	
P-PHENYLENEDIAMINE	UG/L	10UY		19UY		10UY	
PENTACHLOROBENZENE	UG/L	10UY		9UY		10UY	
PENTACHLOROETHANE	UG/L	10UY		9UY		10UY	
PENTACHLORONITROBENZENE	UG/L	50UY		9UY		50UY	
PENTACHLOROPHENOL	UG/L	50UYR		47UY	50UY	50UY	
PHENACETIN	UG/L	10UY		9UY		10UY	
PHENANTHRENE	UG/L	10UY		9UY	10UY	10UY	
PHENOL	UG/L	10UYR		9UY	10UY	10UY	
PRONAMIDE	UG/L	10UY		9UY		10UY	
PYRENE	UG/L	10UY		9UY	10UY	10UY	
PYRIDINE	UG/L	10UY		19UY		10UY	
SAFROLE	UG/L	10UY		9UY		10UY	

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:	10106	10106	10107	10108	10109	10110
SUB-SAMPLE ID:	00000	RE	00000	00000	00000	00000
STATION ID:	MW095	MW095	MW120	MW130	MW131	MW129
SAMPLE DATE:	03/21/1991	03/21/1991	02/28/1991	02/28/1991	02/28/1991	02/28/1991
SAMPLE TIME:	16:25	16:25	09:45	10:05	09:15	10:45
SAMPLE MATRIX:	GW	GW	GW	GW	GW	GW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
1,2,4,5-TETRACHLOROBENZENE UG/L	10UY					
1,2,4-TRICHLOROBENZENE UG/L	10UY		10UY	10UY	10UY	10UY
1,2-DICHLOROBENZENE UG/L	10UY		10UY	10UY	10UY	10UY
1,2-DIPHENYLHYDRAZINE UG/L			10UY	10UY	10UY	10UY
1,3,5-TRINITROBENZENE UG/L	10UY					
1,3-DICHLOROBENZENE UG/L	10UY		10UY	10UY	10UY	10UY
1,3-DINITROBENZENE UG/L	10UY					
1,4-DICHLOROBENZENE UG/L	10UY		10UY	10UY	10UY	10UY
1,4-DIOXANE UG/L	10UY					
1,4-NAPHTHOQUINONE UG/L	10UY					
1-NAPHTHLAMINE UG/L	10UY					
2,3,4,6-TETRACHLOROPHENOL UG/L	10UY					
2,4,5-TRICHLOROPHENOL UG/L	50UY		50UY	50UY	50UY	50UY
2,4,6-TRICHLOROPHENOL UG/L	10UY		10UY	10UY	10UY	10UY
2,4-DICHLOROPHENOL UG/L	10UY		10UY	10UY	10UY	10UY
2,4-DIMETHYLPHENOL UG/L	10UY		10UY	10UY	10UY	10UY
2,4-DINITROPHENOL UG/L	50UY		50UY	50UY	50UY	50UY
2,4-DINITROTOLUENE UG/L	10UY		10UY	10UY	10UY	10UY
2,6-DICHLOROPHENOL UG/L	10UY					
2,6-DINITROTOLUENE UG/L	10UY		10UY	10UY	10UY	10UY
2-ACETYLAMINOFLUORENE UG/L	10UY					
2-CHLORONAPHTHALENE UG/L	10UY		10UY	10UY	10UY	10UY
2-CHLOROPHENOL UG/L	10UY		10UY	10UY	10UY	10UY
2-METHYLNAPHTHALENE UG/L	10UY		10UY	10UY	10UY	10UY
2-METHYLPHENOL UG/L	10UY		10UY	10UY	10UY	10UY
2-NAPHTHYLAMINE UG/L	10UY					
2-NITROANILINE UG/L	50UY		50UY	50UY	50UY	50UY
2-NITROPHENOL UG/L	10UY		10UY	10UY	10UY	10UY
2-PICOLINE UG/L	10UY					
2-SEC-BUTYL-4,6-DINITROPHENOL UG/L	50UY					

Data Format: value + detected flag + validated flag + qualifiers

DMS CHEMICAL OBSERVATIONS MATRIX
ROUNDWATER
ADUCAH PHASE II
AMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10106	10106	10107	10108	10109	10110
SUB-SAMPLE ID:		00000	RE	00000	00000	00000	00000
STATION ID:		MW095	MW095	MW120	MW130	MW131	MW129
SAMPLE DATE:		03/21/1991	03/21/1991	02/28/1991	02/28/1991	02/28/1991	02/28/1991
SAMPLE TIME:		16:25	16:25	09:45	10:05	09:15	10:45
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
3,3'-DICHLOROBENZIDINE	UG/L	20UY		20UY	20UY	20UY	20UY
3,3'-DIMETHYLBENZIDINE	UG/L	10UY					
3-HEXENE-2-5,DIONE							
3-METHYLCHOLANTHRENE	UG/L	10UY					
3-METHYLPHENOL	UG/L	10UY					
3-NITROANILINE	UG/L	50UY		50UY	50UY	50UY	50UY
4,6-DINITRO-2-METHYLPHENOL	UG/L	50UY		50UY	50UY	50UY	50UY
4-AMINOBIPHENYL	UG/L	10UY					
4-BROMOPHENYL PHENYL ETHER	UG/L	10UY		10UY	10UY	10UY	10UY
4-CHLORO-3-METHYLPHENOL	UG/L	10UY		10UY	10UY	10UY	10UY
4-CHLOROANILINE	UG/L	10UY		10UY	10UY	10UY	10UY
4-CHLOROPHENYL PHENYL ETHER	UG/L	10UY		10UY	10UY	10UY	10UY
4-METHYLPHENOL	UG/L	10UY		10UY	10UY	10UY	10UY
4-NITROANILINE	UG/L	50UY		50UY	50UY	50UY	50UY
4-NITROPHENOL	UG/L	50UY		50UY	50UY	50UY	50UY
4-NITROQUINOLINE-1-OXIDE	UG/L	20UY					
5-NITRO-O-TOLUIDINE	UG/L	10UY					
7,12-DIMETHYLBENZ(A)ANTHRACENE	UG/L	10UY					
A,A-DIMETHYLPHENETHYLAMINE	UG/L	10UY					
ACENAPHTHENE	UG/L	10UY		10UY	10UY	10UY	10UY
ACENAPHTHYLENE	UG/L	10UY		10UY	10UY	10UY	10UY
ACETOPHENONE	UG/L	10UY					
ANILINE	UG/L	10UY					
ANTHRACENE	UG/L	10UY		10UY	10UY	10UY	10UY
ARAMITE	UG/L	20UY					
BENZO(A)ANTHRACENE	UG/L	10UY		10UY	10UY	10UY	10UY
BENZO(A)PYRENE	UG/L	10UY		10UY	10UY	10UY	10UY
BENZO(B)FLUORANTHENE	UG/L	10UY		10UY	10UY	10UY	10UY
BENZO(GHI)PERYLENE	UG/L	10UY		10UY	10UY	10UY	10UY
BENZO(K)FLUORANTHENE	UG/L	10UY		10UY	10UY	10UY	10UY

ata Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:		10106	10106	10107	10108	10109	10110
SUB-SAMPLE ID:		00000	RE	00000	00000	00000	00000
STATION ID:		MW095	MW095	MW120	MW130	MW131	MW129
SAMPLE DATE:		03/21/1991	03/21/1991	02/28/1991	02/28/1991	02/28/1991	02/28/1991
SAMPLE TIME:		16:25	16:25	09:45	10:05	09:15	10:45
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
BENZOIC ACID	UG/L	50UY		50UY	50UY	50UY	50UY
BENZYL ALCOHOL	UG/L	10UY		10UY	10UY	10UY	10UY
BENZYL BUTYL PHTHALATE	UG/L	10UY		10UY	10UY	10UY	10UY
BIS(2-CHLOROETHOXY) METHANE	UG/L	10UY		10UY	10UY	10UY	10UY
BIS(2-CHLOROETHYL)ETHER	UG/L	10UY		10UY	10UY	10UY	10UY
BIS(2-CHLOROISOPROPYL) ETHER	UG/L	10UY		10UY	10UY	10UY	10UY
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	10UYJB		10UY	3DYJ	2DYJ	10UY
CHLOROBENZILATE	UG/L	10UY					
CHRYSENE	UG/L	10UY		10UY	10UY	10UY	10UY
DI-N-BUTYL PHTHALATE	UG/L	10UYJB		10UY	10UY	10UY	10UY
DI-N-OCTYL PHTHALATE	UG/L	10UY		10UY	10UY	10UY	10UY
DIALLATE	UG/L	10UY					
DIBENZO(A,H)ANTHRACENE	UG/L	10UY		10UY	10UY	10UY	10UY
DIBENZOFURAN	UG/L	10UY		10UY	10UY	10UY	10UY
DIETHYL PHTHALATE	UG/L	10UY		10UY	10UY	10UY	10UY
DIMETHYL PHTHALATE	UG/L	10UY		10UY	10UY	10UY	10UY
DIPHENYLAMINE	UG/L	10UY					
ETHYL METHACRYLATE	UG/L	10UY					
ETHYL METHANESULFONATE	UG/L	10UY					
FLUORANTHENE	UG/L	10UY		10UY	10UY	10UY	10UY
FLUORENE	UG/L	10UY		10UY	10UY	10UY	10UY
HEXACHLOROBENZENE	UG/L	10UY		10UY	10UY	10UY	10UY
HEXACHLOROBUTADIENE	UG/L	10UY		10UY	10UY	10UY	10UY
HEXACHLOROCYCLOPENTADIENE	UG/L	10UY		10UY	10UY	10UY	10UY
HEXACHLOROETHANE	UG/L	10UY		10UY	10UY	10UY	10UY
HEXACHLOROPHENE	UG/L	90UY					
HEXACHLOROPROPENE	UG/L	10UY					
INDENO(1,2,3-CD)PYRENE	UG/L	10UY		10UY	10UY	10UY	10UY
ISOPHORONE	UG/L	10UY		10UY	10UY	10UY	10UY
ISOSAFROLE	UG/L	10UY					

Data Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:		10106	10106	10107	10108	10109	10110
SUB-SAMPLE ID:		00000	RE	00000	00000	00000	00000
STATION ID:		MW095	MW095	MW120	MW130	MW131	MW129
SAMPLE DATE:		03/21/1991	03/21/1991	02/28/1991	02/28/1991	02/28/1991	02/28/1991
SAMPLE TIME:		16:25	16:25	09:45	10:05	09:15	10:45
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
METHAPYRILENE	UG/L	10UY					
METHYL METHACRYLATE	UG/L	10UY					
METHYL METHANESULFONATE	UG/L	10UY					
N-NITROSO-DI-N-BUTYLAMINE	UG/L	10UY					
N-NITROSO-DI-N-PROPYLAMINE	UG/L	10UY		10UY	10UY	10UY	10UY
N-NITROSODIETHYLAMINE	UG/L	10UY					
N-NITROSODIMETHYLAMINE	UG/L	10UY					
N-NITROSODIPHENYLAMINE	UG/L	10UY		10UY	2DYJ	2DYJ	10UY
N-NITROSOMETHYLETHYLAMINE	UG/L	10UY					
N-NITROSOMORPHOLINE	UG/L	10UY					
N-NITROSOPIPERIDINE	UG/L	50UY					
N-NITROSOPYRROLIDINE	UG/L	10UY					
NAPHTHALENE	UG/L	10UY		10UY	10UY	10UY	10UY
NITROBENZENE	UG/L	10UY		10UY	10UY	10UY	10UY
O-TOLUIDINE	UG/L	10UY					
P-DIMETHYLAMINOAZOBENZENE	UG/L	10UY					
P-PHENYLENEDIAMINE	UG/L	10UY					
PENTACHLOROBENZENE	UG/L	10UY					
PENTACHLOROETHANE	UG/L	10UY					
PENTACHLORONITROBENZENE	UG/L	50UY					
PENTACHLOROPHENOL	UG/L	50UY		50UY	50UY	50UY	50UY
PHENACETIN	UG/L	10UY					
PHENANTHRENE	UG/L	10UY		10UY	10UY	10UY	10UY
PHENOL	UG/L	10UY		10UY	10UY	10UY	10UY
PRONAMIDE	UG/L	10UY					
PYRENE	UG/L	10UY		10UY	10UY	10UY	10UY
PYRIDINE	UG/L	10UY					
SAFROLE	UG/L	10UY					

ata Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10111	10112	10113	10114	10115	10116
SUB-SAMPLE ID:		00000	00000	00000	00000	DUP	00000
STATION ID:		MW155	MW156	MW157	MW158	MW158	MW159
SAMPLE DATE:		03/13/1991	03/15/1991	03/15/1991	03/28/1991	03/28/1991	03/14/1991
SAMPLE TIME:		15:30	10:10	10:45	14:15	14:15	16:00
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,2,4,5-TETRACHLOROBENZENE							
1,2,4-TRICHLOROBENZENE	UG/L	10UY	10UY	11UY	10UY	10UY	10UY
1,2-DICHLOROBENZENE	UG/L	10UY	10UY	11UY	10UY	10UY	10UY
1,2-DIPHENYLHYDRAZINE							
1,3,5-TRINITROBENZENE							
1,3-DICHLOROBENZENE	UG/L	10UY	10UY	11UY	10UY	10UY	10UY
1,3-DINITROBENZENE							
1,4-DICHLOROBENZENE	UG/L	10UY	10UY	11UY	10UY	10UY	10UY
1,4-DIOXANE							
1,4-NAPHTHOQUINONE							
1-NAPHTHLAMINE							
2,3,4,6-TETRACHLOROPHENOL							
2,4,5-TRICHLOROPHENOL	UG/L	51UY	50UYR	53UY	50UYR	50UYR	50UYR
2,4,6-TRICHLOROPHENOL	UG/L	10UY	10UYR	11UY	10UYR	10UYR	10UYR
2,4-DICHLOROPHENOL	UG/L	10UY	10UYR	11UY	10UYR	10UYR	10UYR
2,4-DIMETHYLPHENOL	UG/L	10UY	10UYR	11UY	10UYR	10UYR	10UYR
2,4-DINITROPHENOL	UG/L	51UY	50UYR	53UY	50UYR	50UYR	50UYR
2,4-DINITROTOLUENE	UG/L	10UY	10UY	11UY	10UY	10UY	10UY
2,6-DICHLOROPHENOL							
2,6-DINITROTOLUENE	UG/L	10UY	10UY	11UY	10UY	10UY	10UY
2-ACETYLAMINOFLUORENE							
2-CHLORONAPHTHALENE	UG/L	10UY	10UY	11UY	10UY	10UY	10UY
2-CHLOROPHENOL	UG/L	10UY	10UYR	11UY	10UYR	10UYR	10UYR
2-METHYLNAPHTHALENE	UG/L	10UY	10UY	11UY	10UY	10UY	10UY
2-METHYLPHENOL	UG/L	10UY	10UYR	11UY	10UYR	10UYR	10UYR
2-NAPHTHYLAMINE							
2-NITROANILINE	UG/L	51UY	50UY	53UY	50UY	50UY	50UY
2-NITROPHENOL	UG/L	10UY	10UYR	11UY	10UYR	10UYR	10UYR
2-PICOLINE							
2-SEC-BUTYL-4,6-DINITROPHENOL							

Data Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:		10111	10112	10113	10114	10115	10116
SUB-SAMPLE ID:		00000	00000	00000	00000	DUP	00000
STATION ID:		MW155	MW156	MW157	MW158	MW158	MW159
SAMPLE DATE:		03/13/1991	03/15/1991	03/15/1991	03/28/1991	03/28/1991	03/14/1991
SAMPLE TIME:		15:30	10:10	10:45	14:15	14:15	16:00
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
3,3'-DICHLOROBENZIDINE	UG/L	20UY	20UY	21UY	20UY	20UY	20UY
3,3'-DIMETHYLBENZIDINE							
3-HEXENE-2-5,DIONE							
3-METHYLCHOLANTHRENE							
3-METHYLPHENOL							
3-NITROANILINE	UG/L	51UY	50UY	53UY	50UY	50UY	50UY
4,6-DINITRO-2-METHYLPHENOL	UG/L	51UY	50UYR	53UY	50UYR	50UYR	50UYR
4-AMINOBIPHENYL							
4-BROMOPHENYL PHENYL ETHER	UG/L	10UY	10UY	11UY	10UY	10UY	10UY
4-CHLORO-3-METHYLPHENOL	UG/L	10UY	10UYR	11UY	10UYR	10UYR	10UYR
4-CHLOROANILINE	UG/L	10UY	10UY	11UY	10UY	10UY	10UY
4-CHLOROPHENYL PHENYL ETHER	UG/L	10UY	10UY	11UY	10UY	10UY	10UY
4-METHYLPHENOL	UG/L	10UY	10UYR	11UY	10UYR	10UYR	10UYR
4-NITROANILINE	UG/L	51UY	50UY	53UY	50UY	50UY	50UY
4-NITROPHENOL	UG/L	51UY	50UYR	53UY	50UYR	50UYR	50UYR
4-NITROQUINOLINE-1-OXIDE							
5-NITRO-O-TOLUIDINE							
7,12-DIMETHYLBENZ(A)ANTHRACENE							
A,A-DIMETHYLPHENETHYLAMINE							
ACENAPHTHENE	UG/L	10UY	10UY	11UY	10UY	10UY	10UY
ACENAPHTHYLENE	UG/L	10UY	10UY	11UY	10UY	10UY	10UY
ACETOPHENONE							
ANILINE							
ANTHRACENE	UG/L	10UY	10UY	11UY	10UY	10UY	10UY
ARAMITE							
BENZO(A)ANTHRACENE	UG/L	10UY	10UY	11UY	10UY	10UY	10UY
BENZO(A)PYRENE	UG/L	10UY	10UY	11UY	10UY	10UY	10UY
BENZO(B)FLUORANTHENE	UG/L	10UY	10UY	11UY	10UY	10UY	10UY
BENZO(GHI)PERYLENE	UG/L	10UY	10UY	11UY	10UY	10UY	10UY
BENZO(K)FLUORANTHENE	UG/L	10UY	10UY	11UY	10UY	10UY	10UY

ata Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:		10111	10112	10113	10114	10115	10116
SUB-SAMPLE ID:		00000	00000	00000	00000	DUP	00000
STATION ID:		MW155	MW156	MW157	MW158	MW158	MW159
SAMPLE DATE:		03/13/1991	03/15/1991	03/15/1991	03/28/1991	03/28/1991	03/14/1991
SAMPLE TIME:		15:30	10:10	10:45	14:15	14:15	16:00
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
BENZOIC ACID	UG/L	51UY	50UYR	53UY	50UYR	50UYR	50UYR
BENZYL ALCOHOL	UG/L	10UY	10UY	11UY	10UY	10UY	10UY
BENZYL BUTYL PHTHALATE	UG/L	10UY	10UY	11UY	10UY	10UY	10UY
BIS(2-CHLOROETHOXY) METHANE	UG/L	10UY	10UY	11UY	10UY	10UY	10UY
BIS(2-CHLOROETHYL)ETHER	UG/L	10UY	10UY	11UY	10UY	10UY	10UY
BIS(2-CHLOROISOPROPYL) ETHER	UG/L	10UY	10UY	11UY	10UY	10UY	10UY
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	1DYJ	4DYJ	8DYJ	10UY	3DYJ	5DYJ
CHLOROBENZILATE							
CHRYSENE	UG/L	10UY	10UY	11UY	10UY	10UY	10UY
DI-N-BUTYL PHTHALATE	UG/L	10UY	10UY	3DYJ	10UY	10UY	10UY
DI-N-OCTYL PHTHALATE	UG/L	10UY	10UY	11UY	10UY	10UY	10UY
DIALLATE							
DIBENZO(A,H)ANTHRACENE	UG/L	10UY	10UY	11UY	10UY	10UY	10UY
DIBENZOFURAN	UG/L	10UY	10UY	11UY	10UY	10UY	10UY
DIETHYL PHTHALATE	UG/L	10UY	10UY	11UY	10UY	10UY	10UY
DIMETHYL PHTHALATE	UG/L	10UY	10UY	11UY	10UY	10UY	10UY
DIPHENYLAMINE							
ETHYL METHACRYLATE							
ETHYL METHANESULFONATE							
FLUORANTHENE	UG/L	10UY	10UY	11UY	10UY	10UY	10UY
FLUORENE	UG/L	10UY	10UY	11UY	10UY	10UY	10UY
HEXACHLOROBENZENE	UG/L	10UY	10UY	11UY	10UY	10UY	10UY
HEXACHLOROBUTADIENE	UG/L	10UY	10UY	11UY	10UY	10UY	10UY
HEXACHLOROCYCLOPENTADIENE	UG/L	10UY	10UY	11UY	10UY	10UY	10UY
HEXACHLOROETHANE	UG/L	10UY	10UY	11UY	10UY	10UY	10UY
HEXACHLOROPHENE							
HEXACHLOROPROPENE							
INDENO(1,2,3-CD)PYRENE	UG/L	10UY	10UY	11UY	10UY	10UY	10UY
ISOPHORONE	UG/L	10UY	10UY	11UY	10UY	10UY	10UY
ISOSAFROLE							

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10111	10112	10113	10114	10115	10116
SUB-SAMPLE ID:		00000	00000	00000	00000	DUP	00000
STATION ID:		MW155	MW156	MW157	MW158	MW158	MW159
SAMPLE DATE:		03/13/1991	03/15/1991	03/15/1991	03/28/1991	03/28/1991	03/14/1991
SAMPLE TIME:		15:30	10:10	10:45	14:15	14:15	16:00
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
METHAPYRILENE							
METHYL METHACRYLATE							
METHYL METHANESULFONATE							
N-NITROSO-DI-N-BUTYLAMINE							
N-NITROSO-DI-N-PROPYLAMINE	UG/L	10UY	10UY	11UY	10UY	10UY	10UY
N-NITROSODIETHYLAMINE							
N-NITROSODIMETHYLAMINE							
N-NITROSODIPHENYLAMINE	UG/L	10UY	10UY	11UY	10UY	10UYUJ	10UY
N-NITROSOMETHYLETHYLAMINE							
N-NITROSOMORPHOLINE							
N-NITROSOPIPERIDINE							
N-NITROSOPYRROLIDINE							
NAPHTHALENE	UG/L	10UY	10UY	11UY	10UY	10UY	10UY
NITROBENZENE	UG/L	10UY	10UY	11UY	10UY	10UY	10UY
O-TOLUIDINE							
P-DIMETHYLAMINOAZOBENZENE							
P-PHENYLENEDIAMINE							
PENTACHLOROBENZENE							
PENTACHLOROETHANE							
PENTACHLORONITROBENZENE							
PENTACHLOROPHENOL	UG/L	51UY	50UYR	53UY	50UYR	50UYR	50UYR
PHENACETIN							
PHENANTHRENE	UG/L	10UY	10UY	1DYJ	10UY	10UY	10UY
PHENOL	UG/L	10UY	10UYR	11UY	10UYR	10UYR	10UYR
PRONAMIDE							
PYRENE	UG/L	10UY	10UY	11UY	10UY	10UY	10UY
PYRIDINE							
SAFROLE							

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10117	10118	10119	10120	10121	10122
SUB-SAMPLE ID:		00000	00000	00000	DUP	00000	00000
STATION ID:		MW160	MW161	MW162	MW162	MW163	MW164
SAMPLE DATE:		04/01/1991	03/28/1991	03/27/1991	03/27/1991	03/20/1991	03/21/1991
SAMPLE TIME:		15:50	10:30	14:45	14:45	16:30	10:10
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,2,4,5-TETRACHLOROBENZENE							
1,2,4-TRICHLOROBENZENE	UG/L	11UY	11UY	11UY	11UY	10UY	10UY
1,2-DICHLOROBENZENE	UG/L	11UY	11UY	11UY	11UY	10UY	10UY
1,2-DIPHENYLHYDRAZINE							
1,3,5-TRINITROBENZENE							
1,3-DICHLOROBENZENE	UG/L	11UY	11UY	11UY	11UY	10UY	10UY
1,3-DINITROBENZENE							
1,4-DICHLOROBENZENE	UG/L	11UY	11UY	11UY	11UY	10UY	10UY
1,4-DIOXANE							
1,4-NAPHTHOQUINONE							
1-NAPHTHLAMINE							
2,3,4,6-TETRACHLOROPHENOL							
2,4,5-TRICHLOROPHENOL	UG/L	54UY	55UYR	55UY	55UY	50UY	50UY
2,4,6-TRICHLOROPHENOL	UG/L	11UY	11UYR	11UY	11UY	10UY	10UY
2,4-DICHLOROPHENOL	UG/L	11UY	11UYR	11UY	11UY	10UY	10UY
2,4-DIMETHYLPHENOL	UG/L	11UY	11UYR	11UY	11UY	10UY	10UY
2,4-DINITROPHENOL	UG/L	54UY	55UYR	55UY	55UY	50UY	50UY
2,4-DINITROTOLUENE	UG/L	11UY	11UY	11UY	11UY	10UY	10UY
2,6-DICHLOROPHENOL							
2,6-DINITROTOLUENE	UG/L	11UY	11UY	11UY	11UY	10UY	10UY
2-ACETYLAMINOFLUORENE							
2-CHLORONAPHTHALENE	UG/L	11UY	11UY	11UY	11UY	10UY	10UY
2-CHLOROPHENOL	UG/L	11UY	11UYR	11UY	11UY	10UY	10UY
2-METHYLNAPHTHALENE	UG/L	11UY	11UY	11UY	11UY	10UY	10UY
2-METHYLPHENOL	UG/L	11UY	11UYR	11UY	11UY	10UY	10UY
2-NAPHTHYLAMINE							
2-NITROANILINE	UG/L	54UY	55UY	55UY	55UY	50UY	50UY
2-NITROPHENOL	UG/L	11UY	11UYR	11UY	11UY	10UY	10UY
2-PICOLINE							
2-SEC-BUTYL-4,6-DINITROPHENOL							

Data Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:		10117	10118	10119	10120	10121	10122
SUB-SAMPLE ID:		00000	00000	00000	DUP	00000	00000
STATION ID:		MW160	MW161	MW162	MW162	MW163	MW164
SAMPLE DATE:		04/01/1991	03/28/1991	03/27/1991	03/27/1991	03/20/1991	03/21/1991
SAMPLE TIME:		15:50	10:30	14:45	14:45	16:30	10:10
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
3,3'-DICHLOROBENZIDINE	UG/L	22UY	22UY	22UY	22UY	20UY	20UY
3,3'-DIMETHYLBENZIDINE							
3-HEXENE-2-5,DIONE							
3-METHYLCHOLANTHRENE							
3-METHYLPHENOL							
3-NITROANILINE	UG/L	54UY	55UY	55UY	55UY	50UY	50UY
4,6-DINITRO-2-METHYLPHENOL	UG/L	54UY	55UYR	55UY	55UY	50UY	50UY
4-AMINOBIPHENYL							
4-BROMOPHENYL PHENYL ETHER	UG/L	11UY	11UY	11UY	11UY	10UY	10UY
4-CHLORO-3-METHYLPHENOL	UG/L	11UY	11UYR	11UY	11UY	10UY	10UY
4-CHLOROANILINE	UG/L	11UY	11UY	11UY	11UY	10UY	10UY
4-CHLOROPHENYL PHENYL ETHER	UG/L	11UY	11UY	11UY	11UY	10UY	10UY
4-METHYLPHENOL	UG/L	11UY	11UYR	11UY	11UY	10UY	10UY
4-NITROANILINE	UG/L	54UY	55UY	55UY	55UY	50UY	50UY
4-NITROPHENOL	UG/L	54UY	55UYR	55UY	55UY	50UY	50UY
4-NITROQUINOLINE-1-OXIDE							
5-NITRO-O-TOLUIDINE							
7,12-DIMETHYLBENZ(A)ANTHRACENE							
A,A-DIMETHYLPHENETHYLAMINE							
ACENAPHTHENE	UG/L	11UY	11UY	11UY	11UY	10UY	10UY
ACENAPHTHYLENE	UG/L	11UY	11UY	11UY	11UY	10UY	10UY
ACETOPHENONE							
ANILINE							
ANTHRACENE	UG/L	11UY	11UY	11UY	11UY	10UY	10UY
ARAMITE							
BENZO(A)ANTHRACENE	UG/L	11UY	11UY	11UY	11UY	10UY	10UY
BENZO(A)PYRENE	UG/L	11UY	11UY	11UY	11UY	10UY	10UY
BENZO(B)FLUORANTHENE	UG/L	11UY	11UY	11UY	11UY	10UY	10UY
BENZO(GHI)PERYLENE	UG/L	11UY	11UY	11UY	11UY	10UY	10UY
BENZO(K)FLUORANTHENE	UG/L	11UY	11UY	11UY	11UY	10UY	10UY

Data Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:		10117	10118	10119	10120	10121	10122
SUB-SAMPLE ID:		00000	00000	00000	DUP	00000	00000
STATION ID:		MW160	MW161	MW162	MW162	MW163	MW164
SAMPLE DATE:		04/01/1991	03/28/1991	03/27/1991	03/27/1991	03/20/1991	03/21/1991
SAMPLE TIME:		15:50	10:30	14:45	14:45	16:30	10:10
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
BENZOIC ACID	UG/L	54UY	55UYR	55UY	55UY	50UYR	50UYR
BENZYL ALCOHOL	UG/L	11UY	11UY	11UY	11UY	10UY	10UY
BENZYL BUTYL PHTHALATE	UG/L	11UY	11UY	11UY	11UY	10UY	10UY
BIS(2-CHLOROETHOXY) METHANE	UG/L	11UY	11UY	11UY	11UY	10UY	10UY
BIS(2-CHLOROETHYL)ETHER	UG/L	11UY	11UY	11UY	11UY	10UY	10UY
BIS(2-CHLOROISOPROPYL) ETHER	UG/L	11UY	11UY	11UY	11UY	10UY	10UY
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	1DYJ	11UY	2DYJ	11UY	2DYJ	9DYJ
CHLOROBENZILATE							
CHRYSENE	UG/L	11UY	11UY	11UY	11UY	10UY	10UY
DI-N-BUTYL PHTHALATE	UG/L	11UY	11UY	2DYJ	1DYJ	10UY	10UY
DI-N-OCTYL PHTHALATE	UG/L	11UY	11UY	11UY	11UY	10UY	10UY
DIALLATE							
DIBENZO(A,H)ANTHRACENE	UG/L	11UY	11UY	11UY	11UY	10UY	10UY
DIBENZOFURAN	UG/L	11UY	11UY	11UY	11UY	10UY	10UY
DIETHYL PHTHALATE	UG/L	11UY	11UY	11UY	11UY	10UY	10UY
DIMETHYL PHTHALATE	UG/L	11UY	11UY	11UY	11UY	10UY	10UY
DIPHENYLAMINE							
ETHYL METHACRYLATE							
ETHYL METHANESULFONATE							
FLUORANTHENE	UG/L	11UY	11UY	11UY	11UY	10UY	10UY
FLUORENE	UG/L	11UY	11UY	11UY	11UY	10UY	10UY
HEXACHLOROBENZENE	UG/L	11UY	11UY	11UY	11UY	10UY	10UY
HEXACHLOROBUTADIENE	UG/L	11UY	11UY	11UY	11UY	10UY	10UY
HEXACHLOROCYCLOPENTADIENE	UG/L	11UY	11UY	11UY	11UY	10UY	10UY
HEXACHLOROETHANE	UG/L	11UY	11UY	11UY	11UY	10UY	10UY
HEXACHLOROPHENE							
HEXACHLOROPROPENE							
INDENO(1,2,3-CD)PYRENE	UG/L	11UY	11UY	11UY	11UY	10UY	10UY
ISOPHORONE	UG/L	11UY	11UY	11UY	11UY	10UY	10UY
ISOSAFROLE							

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10117	10118	10119	10120	10121	10122
SUB-SAMPLE ID:		00000	00000	00000	DUP	00000	00000
STATION ID:		MW160	MW161	MW162	MW162	MW163	MW164
SAMPLE DATE:		04/01/1991	03/28/1991	03/27/1991	03/27/1991	03/20/1991	03/21/1991
SAMPLE TIME:		15:50	10:30	14:45	14:45	16:30	10:10
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
METHAPYRILENE							
METHYL METHACRYLATE							
METHYL METHANESULFONATE							
N-NITROSO-DI-N-BUTYLAMINE							
N-NITROSO-DI-N-PROPYLAMINE	UG/L	11UY	11UY	11UY	11UY	10UY	10UY
N-NITROSODIETHYLAMINE							
N-NITROSODIMETHYLAMINE							
N-NITROSODIPHENYLAMINE	UG/L	11UY	11UY	11UY	11UY	10UY	10UY
N-NITROSOMETHYLETHYLAMINE							
N-NITROSOMORPHOLINE							
N-NITROSOPIPERIDINE							
N-NITROSOPYRROLIDINE							
NAPHTHALENE	UG/L	11UY	11UY	11UY	11UY	10UY	10UY
NITROBENZENE	UG/L	11UY	11UY	11UY	11UY	10UY	10UY
O-TOLUIDINE							
P-DIMETHYLAMINOAZOBENZENE							
P-PHENYLENEDIAMINE							
PENTACHLOROBENZENE							
PENTACHLOROETHANE							
PENTACHLORONITROBENZENE							
PENTACHLOROPHENOL	UG/L	54UY	55UYR	55UY	55UY	50UY	50UY
PHENACETIN							
PHENANTHRENE	UG/L	11UY	11UY	11UY	11UY	10UY	10UY
PHENOL	UG/L	11UY	11UYR	11UY	11UY	10UY	10UY
PRONAMIDE							
PYRENE	UG/L	11UY	11UY	11UY	11UY	10UY	10UY
PYRIDINE							
SAFROLE							

Data Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:		10123	10124	10125	10126	10127	10128
SUB-SAMPLE ID:		00000	00000	00000	DUP	00000	00000
STATION ID:		MW165	MW166	MW167	MW185	MW168	MW169
SAMPLE DATE:		03/20/1991	03/20/1991	03/25/1991	03/26/1991	03/21/1991	03/25/1991
SAMPLE TIME:		11:10	14:30	11:30	15:00	14:55	16:20
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,2,4,5-TETRACHLOROBENZENE	UG/L		10UY				
1,2,4-TRICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	11UY	10UY
1,2-DICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	11UY	10UY
1,2-DIPHENYLHYDRAZINE							
1,3,5-TRINITROBENZENE	UG/L		10UY				
1,3-DICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	11UY	10UY
1,3-DINITROBENZENE	UG/L		10UY				
1,4-DICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	11UY	10UY
1,4-DIOXANE	UG/L		10UY				
1,4-NAPHTHOQUINONE	UG/L		10UY				
1-NAPHTHLAMINE	UG/L		10UY				
2,3,4,6-TETRACHLOROPHENOL	UG/L		10UY				
2,4,5-TRICHLOROPHENOL	UG/L	50UY	50UY	50UY	50UY	54UYR	50UY
2,4,6-TRICHLOROPHENOL	UG/L	10UY	10UY	10UY	10UY	11UYR	10UY
2,4-DICHLOROPHENOL	UG/L	10UY	10UY	10UY	10UY	11UYR	10UY
2,4-DIMETHYLPHENOL	UG/L	10UY	10UY	10UY	10UY	11UYR	10UY
2,4-DINITROPHENOL	UG/L	50UY	50UY	50UY	50UY	54UYR	50UY
2,4-DINITROTOLUENE	UG/L	10UY	10UY	10UY	10UY	11UY	10UY
2,6-DICHLOROPHENOL	UG/L		10UY				
2,6-DINITROTOLUENE	UG/L	10UY	10UY	10UY	10UY	11UY	10UY
2-ACETYLAMINOFLUORENE	UG/L		10UY				
2-CHLORONAPHTHALENE	UG/L	10UY	10UY	10UY	10UY	11UY	10UY
2-CHLOROPHENOL	UG/L	10UY	10UY	10UY	10UY	11UYR	10UY
2-METHYLNAPHTHALENE	UG/L	10UY	10UY	10UY	10UY	11UY	10UY
2-METHYLPHENOL	UG/L	10UY	10UY	10UY	10UY	11UYR	10UY
2-NAPHTHYLAMINE	UG/L		10UY				
2-NITROANILINE	UG/L	50UY	50UY	50UY	50UY	54UY	50UY
2-NITROPHENOL	UG/L	10UY	10UY	10UY	10UY	11UYR	10UY
2-PICOLINE	UG/L		10UY				
2-SEC-BUTYL-4,6-DINITROPHENOL	UG/L		50UY				

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10123	10124	10125	10126	10127	10128
SUB-SAMPLE ID:		00000	00000	00000	DUP	00000	00000
STATION ID:		MW165	MW166	MW167	MW185	MW168	MW169
SAMPLE DATE:		03/20/1991	03/20/1991	03/25/1991	03/26/1991	03/21/1991	03/25/1991
SAMPLE TIME:		11:10	14:30	11:30	15:00	14:55	16:20
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
3,3'-DICHLOROBENZIDINE	UG/L	20UY	20UY	20UY	20UY	22UY	20UY
3,3'-DIMETHYLBENZIDINE	UG/L		10UY				
3-HEXENE-2-5,DIONE							
3-METHYLCHOLANTHRENE	UG/L		10UY				
3-METHYLPHENOL	UG/L		10UY				
3-NITROANILINE	UG/L	50UY	50UY	50UY	50UY	54UY	50UY
4,6-DINITRO-2-METHYLPHENOL	UG/L	50UY	50UY	50UY	50UY	54UYR	50UY
4-AMINOBIPHENYL	UG/L		10UY				
4-BROMOPHENYL PHENYL ETHER	UG/L	10UY	10UY	10UY	10UY	11UY	10UY
4-CHLORO-3-METHYLPHENOL	UG/L	10UY	10UY	10UY	10UY	11UYR	10UY
4-CHLOROANILINE	UG/L	10UY	10UY	10UY	10UY	11UY	10UY
4-CHLOROPHENYL PHENYL ETHER	UG/L	10UY	10UY	10UY	10UY	11UY	10UY
4-METHYLPHENOL	UG/L	10UY	10UY	10UY	10UY	11UYR	10UY
4-NITROANILINE	UG/L	50UY	50UY	50UY	50UY	54UY	50UY
4-NITROPHENOL	UG/L	50UY	50UY	50UY	50UY	54UYR	50UY
4-NITROQUINOLINE-1-OXIDE	UG/L		20UY				
5-NITRO-O-TOLUIDINE	UG/L		10UY				
7,12-DIMETHYLBENZ(A)ANTHRACENE	UG/L		10UY				
A,A-DIMETHYLPHENETHYLAMINE	UG/L		10UY				
ACENAPHTHENE	UG/L	10UY	10UY	10UY	10UY	11UY	10UY
ACENAPHTHYLENE	UG/L	10UY	10UY	10UY	10UY	11UY	10UY
ACETOPHENONE	UG/L		10UY				
ANILINE	UG/L		10UY				
ANTHRACENE	UG/L	10UY	10UY	10UY	10UY	11UY	10UY
ARAMITE	UG/L		20UY				
BENZO(A)ANTHRACENE	UG/L	10UY	10UY	10UY	10UY	11UY	10UY
BENZO(A)PYRENE	UG/L	10UY	10UY	10UY	10UY	11UY	10UY
BENZO(B)FLUORANTHENE	UG/L	10UY	10UY	10UY	10UY	11UY	10UY
BENZO(GHI)PERYLENE	UG/L	10UY	10UY	10UY	10UY	11UY	10UY
BENZO(K)FLUORANTHENE	UG/L	10UY	10UY	10UY	10UY	11UY	10UY

)ata Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:	10123	10124	10125	10126	10127	10128
SUB-SAMPLE ID:	00000	00000	00000	DUP	00000	00000
STATION ID:	MW165	MW166	MW167	MW185	MW168	MW169
SAMPLE DATE:	03/20/1991	03/20/1991	03/25/1991	03/26/1991	03/21/1991	03/25/1991
SAMPLE TIME:	11:10	14:30	11:30	15:00	14:55	16:20
SAMPLE MATRIX:	GW	GW	GW	GW	GW	GW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
BENZOIC ACID UG/L	50UYR	50UY	50UY	50UY	54UYR	50UY
BENZYL ALCOHOL UG/L	10UY	10UY	10UY	10UY	11UY	10UY
BENZYL BUTYL PHTHALATE UG/L	10UY	10UY	10UY	10UY	11UY	10UY
BIS(2-CHLOROETHOXY) METHANE UG/L	10UY	10UY	10UY	10UY	11UY	10UY
BIS(2-CHLOROETHYL)ETHER UG/L	10UY	10UY	10UY	10UY	11UY	10UY
BIS(2-CHLOROISOPROPYL) ETHER UG/L	10UY	10UY	10UY	10UY	11UY	10UY
BIS(2-ETHYLHEXYL)PHTHALATE UG/L	3DYJ	12UYJB	10UYUJ	10UY	1DYJ	14DYJ
CHLOROBENZILATE UG/L		10UY				
CHRYSENE UG/L	10UY	10UY	10UY	10UY	11UY	10UY
DI-N-BUTYL PHTHALATE UG/L	10UY	10UYJB	10UYUJ	10UY	11UY	10UYUJ
DI-N-OCTYL PHTHALATE UG/L	10UY	10UY	10UY	10UY	11UY	10UY
DIALLATE UG/L		10UY				
DIBENZO(A,H)ANTHRACENE UG/L	10UY	10UY	10UY	10UY	11UY	10UY
DIBENZOFURAN UG/L	10UY	10UY	10UY	10UY	11UY	10UY
DIETHYL PHTHALATE UG/L	10UY	10UY	10UY	10UY	11UY	10UY
DIMETHYL PHTHALATE UG/L	10UY	10UY	10UY	10UY	11UY	10UY
DIPHENYLAMINE UG/L		10UY				
ETHYL METHACRYLATE UG/L		10UY				
ETHYL METHANESULFONATE UG/L		10UY				
FLUORANTHENE UG/L	10UY	10UY	10UY	10UY	11UY	10UY
FLUORENE UG/L	10UY	10UY	10UY	10UY	11UY	10UY
HEXACHLOROBENZENE UG/L	10UY	10UY	10UY	10UY	11UY	10UY
HEXACHLOROBUTADIENE UG/L	10UY	10UY	10UY	10UY	11UY	10UY
HEXACHLOROCYCLOPENTADIENE UG/L	10UY	10UY	10UY	10UY	11UY	10UY
HEXACHLOROETHANE UG/L	10UY	10UY	10UY	10UY	11UY	10UY
HEXACHLOROPHENE UG/L		90UY				
HEXACHLOROPROPENE UG/L		10UY				
INDENO(1,2,3-CD)PYRENE UG/L	10UY	10UY	10UY	10UY	11UY	10UY
ISOPHORONE UG/L	10UY	10UY	10UY	10UY	11UY	10UY
ISOSAFROLE UG/L		10UY				

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10123	10124	10125	10126	10127	10128
SUB-SAMPLE ID:		00000	00000	00000	DUP	00000	00000
STATION ID:		MW165	MW166	MW167	MW185	MW168	MW169
SAMPLE DATE:		03/20/1991	03/20/1991	03/25/1991	03/26/1991	03/21/1991	03/25/1991
SAMPLE TIME:		11:10	14:30	11:30	15:00	14:55	16:20
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
METHAPYRILENE	UG/L		10UY				
METHYL METHACRYLATE	UG/L		10UY				
METHYL METHANESULFONATE	UG/L		10UY				
N-NITROSO-DI-N-BUTYLAMINE	UG/L		10UY				
N-NITROSO-DI-N-PROPYLAMINE	UG/L	10UY	10UY	10UY	10UY	11UY	10UY
N-NITROSODIETHYLAMINE	UG/L		10UY				
N-NITROSODIMETHYLAMINE	UG/L		10UY				
N-NITROSODIPHENYLAMINE	UG/L	10UY	10UY	10UY	10UY	11UY	10UY
N-NITROSOMETHYLETHYLAMINE	UG/L		10UY				
N-NITROSOMORPHOLINE	UG/L		10UY				
N-NITROSOPIPERIDINE	UG/L		50UY				
N-NITROSOPYRROLIDINE	UG/L		10UY				
NAPHTHALENE	UG/L	10UY	10UY	10UY	10UY	11UY	10UY
NITROBENZENE	UG/L	10UY	10UY	10UY	10UY	11UY	10UY
O-TOLUIDINE	UG/L		10UY				
P-DIMETHYLAMINOAZOBENZENE	UG/L		10UY				
P-PHENYLENEDIAMINE	UG/L		10UY				
PENTACHLOROBENZENE	UG/L		10UY				
PENTACHLOROETHANE	UG/L		10UY				
PENTACHLORONITROBENZENE	UG/L		50UY				
PENTACHLOROPHENOL	UG/L	50UY	50UY	50UY	50UY	54UYR	50UY
PHENACETIN	UG/L		10UY				
PHENANTHRENE	UG/L	10UY	10UY	10UY	10UY	11UY	10UY
PHENOL	UG/L	10UY	10UY	10UY	10UY	11UYR	10UY
PRONAMIDE	UG/L		10UY				
PYRENE	UG/L	10UY	10UY	10UY	10UY	11UY	10UY
PYRIDINE	UG/L		10UY				
SAFROLE	UG/L		10UY				

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10129	10130	10131	10132	10133	10134
SUB-SAMPLE ID:		DUP	00000	00000	00000	00000	00000
STATION ID:		MW169	MW170	MW171	MW172	MW173	MW174
SAMPLE DATE:		03/25/1991	03/25/1991	03/19/1991	03/26/1991	03/26/1991	03/27/1991
SAMPLE TIME:		16:20	15:20	16:15	13:45	16:30	09:00
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,2,4,5-TETRACHLOROBENZENE							
1,2,4-TRICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
1,2-DICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
1,2-DIPHENYLHYDRAZINE							
1,3,5-TRINITROBENZENE							
1,3-DICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
1,3-DINITROBENZENE							
1,4-DICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
1,4-DIOXANE							
1,4-NAPHTHOQUINONE							
1-NAPHTHLAMINE							
2,3,4,6-TETRACHLOROPHENOL							
2,4,5-TRICHLOROPHENOL	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
2,4,6-TRICHLOROPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2,4-DICHLOROPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2,4-DIMETHYLPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2,4-DINITROPHENOL	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
2,4-DINITROTOLUENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2,6-DICHLOROPHENOL							
2,6-DINITROTOLUENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-ACETYLAMINOFLUORENE							
2-CHLORONAPHTHALENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-CHLOROPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-METHYLNAPHTHALENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-METHYLPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-NAPHTHYLAMINE							
2-NITROANILINE	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
2-NITROPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-PICOLINE							
2-SEC-BUTYL-4,6-DINITROPHENOL							

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10129	10130	10131	10132	10133	10134
SUB-SAMPLE ID:		DUP	00000	00000	00000	00000	00000
STATION ID:		MW169	MW170	MW171	MW172	MW173	MW174
SAMPLE DATE:		03/25/1991	03/25/1991	03/19/1991	03/26/1991	03/26/1991	03/27/1991
SAMPLE TIME:		16:20	15:20	16:15	13:45	16:30	09:00
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
3,3'-DICHLOROBENZIDINE	UG/L	20UY	20UY	20UY	20UY	20UY	20UY
3,3'-DIMETHYLBENZIDINE							
3-HEXENE-2-5,DIONE							
3-METHYLCHOLANTHRENE							
3-METHYLPHENOL							
3-NITROANILINE	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
4,6-DINITRO-2-METHYLPHENOL	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
4-AMINOBIPHENYL							
4-BROMOPHENYL PHENYL ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-CHLORO-3-METHYLPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-CHLOROANILINE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-CHLOROPHENYL PHENYL ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-METHYLPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-NITROANILINE	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
4-NITROPHENOL	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
4-NITROQUINOLINE-1-OXIDE							
5-NITRO-O-TOLUIDINE							
7,12-DIMETHYLBENZ(A)ANTHRACENE							
A,A-DIMETHYLPHENETHYLAMINE							
ACENAPHTHENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ACENAPHTHYLENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ACETOPHENONE							
ANILINE							
ANTHRACENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ARAMITE							
BENZO(A)ANTHRACENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(A)PYRENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(B)FLUORANTHENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(GHI)PERYLENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(K)FLUORANTHENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10129	10130	10131	10132	10133	10134
SUB-SAMPLE ID:		DUP	00000	00000	00000	00000	00000
STATION ID:		MW169	MW170	MW171	MW172	MW173	MW174
SAMPLE DATE:		03/25/1991	03/25/1991	03/19/1991	03/26/1991	03/26/1991	03/27/1991
SAMPLE TIME:		16:20	15:20	16:15	13:45	16:30	09:00
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
BENZOIC ACID	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
BENZYL ALCOHOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZYL BUTYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BIS(2-CHLOROETHOXY) METHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BIS(2-CHLOROETHYL)ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BIS(2-CHLOROISOPROPYL) ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	10UYUJ	10UYUJ	10UY	10UYUJ	10UYUJ	3DYJ
CHLOROBENZILATE							
CHRYSENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DI-N-BUTYL PHTHALATE	UG/L	10UYUJ	10UYUJ	10UY	10UY	10UY	10UY
DI-N-OCTYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIALLATE							
DIBENZO(A,H)ANTHRACENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIBENZOFURAN	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIETHYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIMETHYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIPHENYLAMINE							
ETHYL METHACRYLATE							
ETHYL METHANESULFONATE							
FLUORANTHENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
FLUORENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROBUTADIENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROCYCLOPENTADIENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROPHENE							
HEXACHLOROPROPENE							
INDENO(1,2,3-CD)PYRENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ISOPHORONE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ISOSAFROLE							

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10129	10130	10131	10132	10133	10134
SUB-SAMPLE ID:		DUP	00000	00000	00000	00000	00000
STATION ID:		MW169	MW170	MW171	MW172	MW173	MW174
SAMPLE DATE:		03/25/1991	03/25/1991	03/19/1991	03/26/1991	03/26/1991	03/27/1991
SAMPLE TIME:		16:20	15:20	16:15	13:45	16:30	09:00
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
METHAPYRILENE							
METHYL METHACRYLATE							
METHYL METHANESULFONATE							
N-NITROSO-DI-N-BUTYLAMINE							
N-NITROSO-DI-N-PROPYLAMINE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
N-NITROSODIETHYLAMINE							
N-NITROSODIMETHYLAMINE							
N-NITROSODIPHENYLAMINE	UG/L	10UY	10UY	10UY	10UY	10UY	10UYUJ
N-NITROSOMETHYLETHYLAMINE							
N-NITROSOMORPHOLINE							
N-NITROSOPIPERIDINE							
N-NITROSOPYRROLIDINE							
NAPHTHALENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
NITROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
O-TOLUIDINE							
P-DIMETHYLAMINOAZOBENZENE							
P-PHENYLENEDIAMINE							
PENTACHLOROBENZENE							
PENTACHLOROETHANE							
PENTACHLORONITROBENZENE							
PENTACHLOROPHENOL	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
PHENACETIN							
PHENANTHRENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
PHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
PRONAMIDE							
PYRENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
PYRIDINE							
SAFROLE							

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10135	10137	10138	10139	10140	10141
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	DUP
STATION ID:		MW175	MW177	MW178	MW179	MW180	MW022
SAMPLE DATE:		03/19/1991	03/18/1991	03/18/1991	03/27/1991	03/27/1991	03/29/1991
SAMPLE TIME:		11:35	15:20	11:15	10:00	10:45	12:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,2,4,5-TETRACHLOROBENZENE							
1,2,4-TRICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
1,2-DICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
1,2-DIPHENYLHYDRAZINE							
1,3,5-TRINITROBENZENE							
1,3-DICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
1,3-DINITROBENZENE							
1,4-DICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
1,4-DIOXANE							
1,4-NAPHTHOQUINONE							
1-NAPHTHLAMINE							
2,3,4,6-TETRACHLOROPHENOL							
2,4,5-TRICHLOROPHENOL	UG/L	50UY	52UY	49UYR	49UYR	50UY	50UYR
2,4,6-TRICHLOROPHENOL	UG/L	10UY	10UY	10UYR	10UYR	10UY	10UYR
2,4-DICHLOROPHENOL	UG/L	10UY	10UY	10UYR	10UYR	10UY	10UYR
2,4-DIMETHYLPHENOL	UG/L	10UY	10UY	10UYR	10UYR	10UY	10UYR
2,4-DINITROPHENOL	UG/L	50UY	52UY	49UYR	49UYR	50UY	50UYR
2,4-DINITROTOLUENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2,6-DICHLOROPHENOL							
2,6-DINITROTOLUENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-ACETYLAMINOFLUORENE							
2-CHLORONAPHTHALENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-CHLOROPHENOL	UG/L	10UY	10UY	10UYR	10UYR	10UY	10UYR
2-METHYLNAPHTHALENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-METHYLPHENOL	UG/L	10UY	10UY	10UYR	10UYR	10UY	10UYR
2-NAPHTHYLAMINE							
2-NITROANILINE	UG/L	50UY	52UY	49UY	49UY	50UY	50UY
2-NITROPHENOL	UG/L	10UY	10UY	10UYR	10UYR	10UY	10UYR
2-PICOLINE							
2-SEC-BUTYL-4,6-DINITROPHENOL							

Data Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:		10135	10137	10138	10139	10140	10141
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	DUP
STATION ID:		MW175	MW177	MW178	MW179	MW180	MW022
SAMPLE DATE:		03/19/1991	03/18/1991	03/18/1991	03/27/1991	03/27/1991	03/29/1991
SAMPLE TIME:		11:35	15:20	11:15	10:00	10:45	12:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
3,3'-DICHLOROBENZIDINE	UG/L	20UY	21UY	20UY	20UY	20UY	20UY
3,3'-DIMETHYLBENZIDINE							
3-HEXENE-2-5,DIONE							
3-METHYLCHOLANTHRENE							
3-METHYLPHENOL							
3-NITROANILINE	UG/L	50UY	52UY	49UY	49UY	50UY	50UY
4,6-DINITRO-2-METHYLPHENOL	UG/L	50UY	52UY	49UYR	49UYR	50UY	50UYR
4-AMINOBIPHENYL							
4-BROMOPHENYL PHENYL ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-CHLORO-3-METHYLPHENOL	UG/L	10UY	10UY	10UYR	10UYR	10UY	10UYR
4-CHLOROANILINE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-CHLOROPHENYL PHENYL ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-METHYLPHENOL	UG/L	10UY	10UY	10UYR	10UYR	10UY	10UYR
4-NITROANILINE	UG/L	50UY	52UY	49UY	49UY	50UY	50UY
4-NITROPHENOL	UG/L	50UY	52UY	49UYR	49UYR	50UY	50UYR
4-NITROQUINOLINE-1-OXIDE							
5-NITRO-O-TOLUIDINE							
7,12-DIMETHYLBENZ(A)ANTHRACENE							
A,A-DIMETHYLPHENETHYLAMINE							
ACENAPHTHENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ACENAPHTHYLENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ACETOPHENONE							
ANILINE							
ANTHRACENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ARAMITE							
BENZO(A)ANTHRACENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(A)PYRENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(B)FLUORANTHENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(GHI)PERYLENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(K)FLUORANTHENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY

ata Format: value + detected flag + validated flag + qualifiers

DMS CHEMICAL OBSERVATIONS MATRIX
ROUNDWATER
ADUCAH PHASE II
AMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10135	10137	10138	10139	10140	10141
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	DUP
STATION ID:		MW175	MW177	MW178	MW179	MW180	MW022
SAMPLE DATE:		03/19/1991	03/18/1991	03/18/1991	03/27/1991	03/27/1991	03/29/1991
SAMPLE TIME:		11:35	15:20	11:15	10:00	10:45	12:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
BENZOIC ACID	UG/L	50UYR	52UY	49UYR	49UYR	230DYD	50UYR
BENZYL ALCOHOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZYL BUTYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BIS(2-CHLOROETHOXY) METHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BIS(2-CHLOROETHYL)ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BIS(2-CHLOROISOPROPYL) ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	15DY	6DYJ	1DYJ	3DYJ	10UY	10UY
CHLOROBENZILATE							
CHRYSENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DI-N-BUTYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	1DYJ	10UY
DI-N-OCTYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIALLATE							
DIBENZO(A,H)ANTHRACENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIBENZOFURAN	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIETHYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIMETHYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIPHENYLAMINE							
ETHYL METHACRYLATE							
ETHYL METHANESULFONATE							
FLUORANTHENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
FLUORENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROBUTADIENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROCYCLOPENTADIENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROPHENE							
HEXACHLOROPROPENE							
INDENO(1,2,3-CD)PYRENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ISOPHORONE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ISOSAFROLE							

ata Format: value + detected flag + validated flag + qualifiers

DMS CHEMICAL OBSERVATIONS MATRIX
ROUNDWATER
ADUCAH PHASE II
AMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10135	10137	10138	10139	10140	10141
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	DUP
STATION ID:		MW175	MW177	MW178	MW179	MW180	MW022
SAMPLE DATE:		03/19/1991	03/18/1991	03/18/1991	03/27/1991	03/27/1991	03/29/1991
SAMPLE TIME:		11:35	15:20	11:15	10:00	10:45	12:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
METHAPYRILENE							
METHYL METHACRYLATE							
METHYL METHANESULFONATE							
N-NITROSO-DI-N-BUTYLAMINE							
N-NITROSO-DI-N-PROPYLAMINE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
N-NITROSODIETHYLAMINE							
N-NITROSODIMETHYLAMINE							
N-NITROSODIPHENYLAMINE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
N-NITROSOMETHYLETHYLAMINE							
N-NITROSOMORPHOLINE							
N-NITROSOPIPERIDINE							
N-NITROSOPYRROLIDINE							
NAPHTHALENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
NITROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
O-TOLUIDINE							
P-DIMETHYLAMINOAZOBENZENE							
P-PHENYLENEDIAMINE							
PENTACHLOROBENZENE							
PENTACHLOROETHANE							
PENTACHLORONITROBENZENE							
PENTACHLOROPHENOL	UG/L	50UY	52UY	49UYR	49UYR	50UY	50UYR
PHENACETIN							
PHENANTHRENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
PHENOL	UG/L	10UY	10UY	10UYR	10UYR	27DY	10UYR
PRONAMIDE							
PYRENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
PYRIDINE							
SAFROLE							

ata Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:		10142	10144	10145	10146	10147	10148
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW181	MW184	MW185	MW186	MW187	MW188
SAMPLE DATE:		03/29/1991	04/03/1991	03/26/1991	03/26/1991	03/26/1991	03/27/1991
SAMPLE TIME:		09:10	09:15	15:00	16:30	09:50	16:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,2,4,5-TETRACHLOROBENZENE							
1,2,4-TRICHLOROBENZENE	UG/L	11UY	11UY	10UY	10UY	10UY	11UY
1,2-DICHLOROBENZENE	UG/L	11UY	11UY	10UY	10UY	10UY	11UY
1,2-DIPHENYLHYDRAZINE							
1,3,5-TRINITROBENZENE							
1,3-DICHLOROBENZENE	UG/L	11UY	11UY	10UY	10UY	10UY	11UY
1,3-DINITROBENZENE							
1,4-DICHLOROBENZENE	UG/L	11UY	11UY	10UY	10UY	10UY	11UY
1,4-DIOXANE							
1,4-NAPHTHOQUINONE							
1-NAPHTHLAMINE							
2,3,4,6-TETRACHLOROPHENOL							
2,4,5-TRICHLOROPHENOL	UG/L	53UY	55UY	51UY	50UY	50UY	55UY
2,4,6-TRICHLOROPHENOL	UG/L	11UY	11UY	10UY	10UY	10UY	11UY
2,4-DICHLOROPHENOL	UG/L	11UY	11UY	10UY	10UY	10UY	11UY
2,4-DIMETHYLPHENOL	UG/L	11UY	11UY	10UY	10UY	10UY	11UY
2,4-DINITROPHENOL	UG/L	53UY	55UY	51UY	50UY	50UY	55UY
2,4-DINITROTOLUENE	UG/L	11UY	11UY	10UY	10UY	10UY	11UY
2,6-DICHLOROPHENOL							
2,6-DINITROTOLUENE	UG/L	11UY	11UY	10UY	10UY	10UY	11UY
2-ACETYLAMINOFLUORENE							
2-CHLORONAPHTHALENE	UG/L	11UY	11UY	10UY	10UY	10UY	11UY
2-CHLOROPHENOL	UG/L	11UY	11UY	10UY	10UY	10UY	11UY
2-METHYLNAPHTHALENE	UG/L	11UY	11UY	10UY	10UY	10UY	11UY
2-METHYLPHENOL	UG/L	11UY	11UY	10UY	10UY	10UY	11UY
2-NAPHTHYLAMINE							
2-NITROANILINE	UG/L	53UY	55UY	51UY	50UY	50UY	55UY
2-NITROPHENOL	UG/L	11UY	11UY	10UY	10UY	10UY	11UY
2-PICOLINE							
2-SEC-BUTYL-4,6-DINITROPHENOL							

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10142	10144	10145	10146	10147	10148
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW181	MW184	MW185	MW186	MW187	MW188
SAMPLE DATE:		03/29/1991	04/03/1991	03/26/1991	03/26/1991	03/26/1991	03/27/1991
SAMPLE TIME:		09:10	09:15	15:00	16:30	09:50	16:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
3,3'-DICHLOROBENZIDINE	UG/L	21UY	22UY	20UY	20UY	20UY	22UY
3,3'-DIMETHYLBENZIDINE							
3-HEXENE-2-5,DIONE							
3-METHYLCHOLANTHRENE							
3-METHYLPHENOL							
3-NITROANILINE	UG/L	53UY	55UY	51UY	50UY	50UY	55UY
4,6-DINITRO-2-METHYLPHENOL	UG/L	53UY	55UY	51UY	50UY	50UY	55UY
4-AMINOBIPHENYL							
4-BROMOPHENYL PHENYL ETHER	UG/L	11UY	11UY	10UY	10UY	10UY	11UY
4-CHLORO-3-METHYLPHENOL	UG/L	11UY	11UY	10UY	10UY	10UY	11UY
4-CHLOROANILINE	UG/L	11UY	11UY	10UY	10UY	10UY	11UY
4-CHLOROPHENYL PHENYL ETHER	UG/L	11UY	11UY	10UY	10UY	10UY	11UY
4-METHYLPHENOL	UG/L	11UY	11UY	10UY	10UY	10UY	11UY
4-NITROANILINE	UG/L	53UY	55UY	51UY	50UY	50UY	55UY
4-NITROPHENOL	UG/L	53UY	55UY	51UY	50UY	50UY	55UY
4-NITROQUINOLINE-1-OXIDE							
5-NITRO-O-TOLUIDINE							
7,12-DIMETHYLBENZ(A)ANTHRACENE							
A,A-DIMETHYLPHENETHYLAMINE							
ACENAPHTHENE	UG/L	11UY	11UY	10UY	10UY	10UY	11UY
ACENAPHTHYLENE	UG/L	11UY	11UY	10UY	10UY	10UY	11UY
ACETOPHENONE							
ANILINE							
ANTHRACENE	UG/L	11UY	11UY	10UY	10UY	10UY	11UY
ARAMITE							
BENZO(A)ANTHRACENE	UG/L	11UY	11UY	10UY	10UY	10UY	11UY
BENZO(A)PYRENE	UG/L	11UY	11UY	10UY	10UY	10UY	11UY
BENZO(B)FLUORANTHENE	UG/L	11UY	11UY	10UY	10UY	10UY	11UY
BENZO(GHI)PERYLENE	UG/L	11UY	11UY	10UY	10UY	10UY	11UY
BENZO(K)FLUORANTHENE	UG/L	11UY	11UY	10UY	10UY	10UY	11UY

ata Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10142	10144	10145	10146	10147	10148
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW181	MW184	MW185	MW186	MW187	MW188
SAMPLE DATE:		03/29/1991	04/03/1991	03/26/1991	03/26/1991	03/26/1991	03/27/1991
SAMPLE TIME:		09:10	09:15	15:00	16:30	09:50	16:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
BENZOIC ACID	UG/L	53UY	55UY	51UY	50UY	50UY	55UY
BENZYL ALCOHOL	UG/L	11UY	11UY	10UY	10UY	10UY	11UY
BENZYL BUTYL PHTHALATE	UG/L	11UY	11UY	10UY	10UY	10UY	11UY
BIS(2-CHLOROETHOXY) METHANE	UG/L	11UY	11UY	10UY	10UY	10UY	11UY
BIS(2-CHLOROETHYL)ETHER	UG/L	11UY	11UY	10UY	10UY	10UY	11UY
BIS(2-CHLOROISOPROPYL) ETHER	UG/L	11UY	11UY	10UY	10UY	10UY	11UY
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	11UY	11UYUJ	7DYJ	5DYJ	10UYUJ	3DYJ
CHLOROBENZILATE							
CHRYSENE	UG/L	11UY	11UY	10UY	10UY	10UY	11UY
DI-N-BUTYL PHTHALATE	UG/L	11UY	11UYUJ	10UY	10UY	10UY	1DYJ
DI-N-OCTYL PHTHALATE	UG/L	11UY	11UY	10UY	10UY	10UY	11UY
DIALLATE							
DIBENZO(A,H)ANTHRACENE	UG/L	11UY	11UY	10UY	10UY	10UY	11UY
DIBENZOFURAN	UG/L	11UY	11UY	10UY	10UY	10UY	11UY
DIETHYL PHTHALATE	UG/L	11UY	11UY	2DYJ	3DYJ	10UY	11UY
DIMETHYL PHTHALATE	UG/L	11UY	11UY	10UY	10UY	10UY	11UY
DIPHENYLAMINE							
ETHYL METHACRYLATE							
ETHYL METHANESULFONATE							
FLUORANTHENE	UG/L	11UY	2DYJ	10UY	10UY	10UY	11UY
FLUORENE	UG/L	11UY	11UY	10UY	10UY	10UY	11UY
HEXACHLOROBENZENE	UG/L	11UY	11UY	10UY	10UY	10UY	11UY
HEXACHLOROBUTADIENE	UG/L	11UY	11UY	10UY	10UY	10UY	11UY
HEXACHLOROCYCLOPENTADIENE	UG/L	11UY	11UY	10UY	10UY	10UY	11UY
HEXACHLOROETHANE	UG/L	11UY	11UY	10UY	10UY	10UY	11UY
HEXACHLOROPHENE							
HEXACHLOROPROPENE							
INDENO(1,2,3-CD)PYRENE	UG/L	11UY	11UY	10UY	10UY	10UY	11UY
ISOPHORONE	UG/L	11UY	11UY	10DYJ	10DYJ	10UY	11UY
ISOSAFROLE							

Data Format: value + detected flag + validated flag + qualifiers

DMS CHEMICAL OBSERVATIONS MATRIX
ROUNDWATER
ADUCAH PHASE II
AMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10142	10144	10145	10146	10147	10148
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW181	MW184	MW185	MW186	MW187	MW188
SAMPLE DATE:		03/29/1991	04/03/1991	03/26/1991	03/26/1991	03/26/1991	03/27/1991
SAMPLE TIME:		09:10	09:15	15:00	16:30	09:50	16:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
METHAPYRILENE							
METHYL METHACRYLATE							
METHYL METHANESULFONATE							
N-NITROSO-DI-N-BUTYLAMINE							
N-NITROSO-DI-N-PROPYLAMINE	UG/L	11UY	11UY	10UY	10UY	10UY	11UY
N-NITROSODIETHYLAMINE							
N-NITROSODIMETHYLAMINE							
N-NITROSODIPHENYLAMINE	UG/L	11UY	11UY	10UY	10UY	10UY	11UY
N-NITROSOMETHYLETHYLAMINE							
N-NITROSOMORPHOLINE							
N-NITROSOPIPERIDINE							
N-NITROSOPYRROLIDINE							
NAPHTHALENE	UG/L	11UY	11UY	10UY	10UY	10UY	11UY
NITROBENZENE	UG/L	11UY	11UY	10UY	10UY	10UY	11UY
O-TOLUIDINE							
P-DIMETHYLAMINOAZOBENZENE							
P-PHENYLENEDIAMINE							
PENTACHLOROBENZENE							
PENTACHLOROETHANE							
PENTACHLORONITROBENZENE							
PENTACHLOROPHENOL	UG/L	53UY	55UY	51UY	50UY	50UY	55UY
PHENACETIN							
PHENANTHRENE	UG/L	11UY	11UY	10UY	10UY	10UY	11UY
PHENOL	UG/L	11UY	11UY	10UY	10UY	10UY	11UY
PRONAMIDE							
PYRENE	UG/L	11UY	1DYJ	10UY	10UY	10UY	11UY
PYRIDINE							
SAFROLE							

ata Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10149	10150	10151	10152	10153	10154
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW189	MW190	MW070	MW071	MW179	MW194
SAMPLE DATE:		03/27/1991	03/28/1991	03/13/1991	03/25/1991	03/27/1991	03/19/1991
SAMPLE TIME:		14:45	16:30	10:45	09:00	10:00	10:50
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,2,4,5-TETRACHLOROBENZENE							
1,2,4-TRICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	9UY	11UY
1,2-DICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	9UY	11UY
1,2-DIPHENYLHYDRAZINE							
1,3,5-TRINITROBENZENE							
1,3-DICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	9UY	11UY
1,3-DINITROBENZENE							
1,4-DICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	9UY	11UY
1,4-DIOXANE							
1,4-NAPHTHOQUINONE							
1-NAPHTHLAMINE							
2,3,4,6-TETRACHLOROPHENOL							
2,4,5-TRICHLOROPHENOL	UG/L	50UY	50UY	50UY	50UY	46UYR	54UYR
2,4,6-TRICHLOROPHENOL	UG/L	10UY	10UY	10UY	10UY	9UYR	11UYR
2,4-DICHLOROPHENOL	UG/L	10UY	10UY	10UY	10UY	9UYR	11UYR
2,4-DIMETHYLPHENOL	UG/L	10UY	10UY	10UY	10UY	9UYR	11UYR
2,4-DINITROPHENOL	UG/L	50UY	50UY	50UY	50UY	46UYR	54UYR
2,4-DINITROTOLUENE	UG/L	10UY	10UY	10UY	10UY	9UY	11UY
2,6-DICHLOROPHENOL							
2,6-DINITROTOLUENE	UG/L	10UY	10UY	10UY	10UY	9UY	11UY
2-ACETYLAMINOFLUORENE							
2-CHLORONAPHTHALENE	UG/L	10UY	10UY	10UY	10UY	9UY	11UY
2-CHLOROPHENOL	UG/L	10UY	10UY	10UY	10UY	9UYR	11UYR
2-METHYLNAPHTHALENE	UG/L	10UY	10UY	10UY	10UY	9UY	11UY
2-METHYLPHENOL	UG/L	10UY	10UY	10UY	10UY	9UYR	11UYR
2-NAPHTHYLAMINE							
2-NITROANILINE	UG/L	50UY	50UY	50UY	50UY	46UY	54UY
2-NITROPHENOL	UG/L	10UY	10UY	10UY	10UY	9UYR	11UYR
2-PICOLINE							
2-SEC-BUTYL-4,6-DINITROPHENOL							

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10149	10150	10151	10152	10153	10154
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW189	MW190	MW070	MW071	MW179	MW194
SAMPLE DATE:		03/27/1991	03/28/1991	03/13/1991	03/25/1991	03/27/1991	03/19/1991
SAMPLE TIME:		14:45	16:30	10:45	09:00	10:00	10:50
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
3,3'-DICHLOROBENZIDINE	UG/L	20UY	20UY	20UY	20UY	19UY	22UY
3,3'-DIMETHYLBENZIDINE							
3-HEXENE-2-5,DIONE							
3-METHYLCHOLANTHRENE							
3-METHYLPHENOL							
3-NITROANILINE	UG/L	50UY	50UY	50UY	50UY	46UY	54UY
4,6-DINITRO-2-METHYLPHENOL	UG/L	50UY	50UY	50UY	50UY	46UYR	54UYR
4-AMINOBIPHENYL							
4-BROMOPHENYL PHENYL ETHER	UG/L	10UY	10UY	10UY	10UY	9UY	11UY
4-CHLORO-3-METHYLPHENOL	UG/L	10UY	10UY	10UY	10UY	9UYR	11UYR
4-CHLOROANILINE	UG/L	10UY	10UY	10UY	10UY	9UY	11UY
4-CHLOROPHENYL PHENYL ETHER	UG/L	10UY	10UY	10UY	10UY	9UY	11UY
4-METHYLPHENOL	UG/L	10UY	10UY	10UY	10UY	9UYR	11UYR
4-NITROANILINE	UG/L	50UY	50UY	50UY	50UY	46UY	54UY
4-NITROPHENOL	UG/L	50UY	50UY	50UY	50UY	46UYR	54UYR
4-NITROQUINOLINE-1-OXIDE							
5-NITRO-O-TOLUIDINE							
7,12-DIMETHYLBENZ(A)ANTHRACENE							
A,A-DIMETHYLPHENETHYLAMINE							
ACENAPHTHENE	UG/L	10UY	10UY	10UY	10UY	9UY	11UY
ACENAPHTHYLENE	UG/L	10UY	10UY	10UY	10UY	9UY	11UY
ACETOPHENONE							
ANILINE							
ANTHRACENE	UG/L	10UY	10UY	10UY	10UY	9UY	11UY
ARAMITE							
BENZO(A)ANTHRACENE	UG/L	10UY	10UY	10UY	10UY	9UY	11UY
BENZO(A)PYRENE	UG/L	10UY	10UY	10UY	10UY	9UY	11UY
BENZO(B)FLUORANTHENE	UG/L	10UY	10UY	10UY	10UY	9UY	11UY
BENZO(GHI)PERYLENE	UG/L	10UY	10UY	10UY	10UY	9UY	11UY
BENZO(K)FLUORANTHENE	UG/L	10UY	10UY	10UY	10UY	9UY	11UY

ata Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10149	10150	10151	10152	10153	10154
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW189	MW190	MW070	MW071	MW179	MW194
SAMPLE DATE:		03/27/1991	03/28/1991	03/13/1991	03/25/1991	03/27/1991	03/19/1991
SAMPLE TIME:		14:45	16:30	10:45	09:00	10:00	10:50
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
BENZOIC ACID	UG/L	50UY	50UY	50UYR	50UY	46UYR	54UYR
BENZYL ALCOHOL	UG/L	10UY	10UY	10UY	10UY	9UY	11UY
BENZYL BUTYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	9UY	11UY
BIS(2-CHLOROETHOXY) METHANE	UG/L	10UY	10UY	10UY	10UY	9UY	11UY
BIS(2-CHLOROETHYL)ETHER	UG/L	10UY	10UY	10UY	10UY	9UY	11UY
BIS(2-CHLOROISOPROPYL) ETHER	UG/L	10UY	10UY	10UY	10UY	9UY	11UY
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	1DYJ	31DY	15DY	1UYUJ	0.9DYJ	4DYJ
CHLOROBENZILATE							
CHRYSENE	UG/L	10UY	10UY	10UY	10UY	9UY	11UY
DI-N-BUTYL PHTHALATE	UG/L	1DYJ	10UY	10UY	10UYUJ	9UY	11UY
DI-N-OCTYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	9UY	11UY
DIALLATE							
DIBENZO(A,H)ANTHRACENE	UG/L	10UY	10UY	10UY	10UY	9UY	11UY
DIBENZOFURAN	UG/L	10UY	10UY	10UY	10UY	9UY	11UY
DIETHYL PHTHALATE	UG/L	3DYJ	10UY	10UY	10UY	9UY	11UY
DIMETHYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	9UY	11UY
DIPHENYLAMINE							
ETHYL METHACRYLATE							
ETHYL METHANESULFONATE							
FLUORANTHENE	UG/L	10UY	10UY	10UY	10UY	9UY	11UY
FLUORENE	UG/L	10UY	10UY	10UY	10UY	9UY	11UY
HEXACHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	9UY	11UY
HEXACHLOROBUTADIENE	UG/L	10UY	10UY	10UY	10UY	9UY	11UY
HEXACHLOROCYCLOPENTADIENE	UG/L	10UY	10UY	10UY	10UY	9UY	11UY
HEXACHLOROETHANE	UG/L	10UY	10UY	10UY	10UY	9UY	11UY
HEXACHLOROPHENE							
HEXACHLOROPROPENE							
INDENO(1,2,3-CD)PYRENE	UG/L	10UY	10UY	10UY	10UY	9UY	11UY
ISOPHORONE	UG/L	10UY	10UY	10UY	10UY	9UY	11UY
ISOSAFROLE							

Data Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:		10149	10150	10151	10152	10153	10154
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW189	MW190	MW070	MW071	MW179	MW194
SAMPLE DATE:		03/27/1991	03/28/1991	03/13/1991	03/25/1991	03/27/1991	03/19/1991
SAMPLE TIME:		14:45	16:30	10:45	09:00	10:00	10:50
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
METHAPYRILENE							
METHYL METHACRYLATE							
METHYL METHANESULFONATE							
N-NITROSO-DI-N-BUTYLAMINE							
N-NITROSO-DI-N-PROPYLAMINE	UG/L	10UY	10UY	10UY	10UY	9UY	11UY
N-NITROSODIETHYLAMINE							
N-NITROSODIMETHYLAMINE							
N-NITROSODIPHENYLAMINE	UG/L	10UY	10UY	10UY	10UY	9UY	11UY
N-NITROSOMETHYLETHYLAMINE							
N-NITROSOMORPHOLINE							
N-NITROSOPIPERIDINE							
N-NITROSOPYRROLIDINE							
NAPHTHALENE	UG/L	10UY	10UY	10UY	10UY	9UY	11UY
NITROBENZENE	UG/L	10UY	10UY	10UY	10UY	9UY	11UY
O-TOLUIDINE							
P-DIMETHYLAMINOAZOBENZENE							
P-PHENYLENEDIAMINE							
PENTACHLOROBENZENE							
PENTACHLOROETHANE							
PENTACHLORONITROBENZENE							
PENTACHLOROPHENOL	UG/L	50UY	50UY	50UY	50UY	46UYR	54UYR
PHENACETIN							
PHENANTHRENE	UG/L	10UY	10UY	10UY	10UY	9UY	11UY
PHENOL	UG/L	10UY	10UY	10UY	10UY	9UYR	11UYR
PRONAMIDE							
PYRENE	UG/L	10UY	10UY	10UY	10UY	9UY	11UY
PYRIDINE							
SAFROLE							

ata Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10155	10157	10158	10160	10168	10169
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW195	MET 2	MET 3	MW193	MW202	MW182
SAMPLE DATE:		03/19/1991	03/27/1991	03/27/1991	05/06/1991	04/02/1991	04/02/1991
SAMPLE TIME:		09:45	13:30	13:15	10:15	15:45	08:35
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,2,4,5-TETRACHLOROBENZENE							
1,2,4-TRICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	11UY
1,2-DICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	11UY
1,2-DIPHENYLHYDRAZINE							
1,3,5-TRINITROBENZENE							
1,3-DICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	11UY
1,3-DINITROBENZENE							
1,4-DICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	11UY
1,4-DIOXANE							
1,4-NAPHTHOQUINONE							
1-NAPHTHLAMINE							
2,3,4,6-TETRACHLOROPHENOL							
2,4,5-TRICHLOROPHENOL	UG/L	50UY	50UY	52UY	50UY	52UYR	54UYR
2,4,6-TRICHLOROPHENOL	UG/L	10UY	10UY	10UY	10UY	10UYR	11UYR
2,4-DICHLOROPHENOL	UG/L	10UY	10UY	10UY	10UY	10UYR	11UYR
2,4-DIMETHYLPHENOL	UG/L	10UYR	10UY	10UY	10UY	10UYR	11UYR
2,4-DINITROPHENOL	UG/L	50UY	50UY	52UY	50UY	52UYR	54UYR
2,4-DINITROTOLUENE	UG/L	10UY	10UY	10UY	10UY	10UY	11UY
2,6-DICHLOROPHENOL							
2,6-DINITROTOLUENE	UG/L	10UY	10UY	10UY	10UY	10UY	11UY
2-ACETYLAMINOFLUORENE							
2-CHLORONAPHTHALENE	UG/L	10UY	10UY	10UY	10UY	10UY	11UY
2-CHLOROPHENOL	UG/L	10UY	10UY	10UY	10UY	10UYR	11UYR
2-METHYLNAPHTHALENE	UG/L	10UY	10UY	10UY	10UY	10UY	11UY
2-METHYLPHENOL	UG/L	10UY	10UY	10UY	10UY	10UYR	11UYR
2-NAPHTHYLAMINE							
2-NITROANILINE	UG/L	50UY	50UY	52UY	50UY	52UY	54UY
2-NITROPHENOL	UG/L	10UY	10UY	10UY	10UY	10UYR	11UYR
2-PICOLINE							
2-SEC-BUTYL-4,6-DINITROPHENOL							

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10155	10157	10158	10160	10168	10169
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW195	MET 2	MET 3	MW193	MW202	MW182
SAMPLE DATE:		03/19/1991	03/27/1991	03/27/1991	05/06/1991	04/02/1991	04/02/1991
SAMPLE TIME:		09:45	13:30	13:15	10:15	15:45	08:35
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
3,3'-DICHLOROBENZIDINE	UG/L	20UY	20UY	21UY	20UY	21UY	22UY
3,3'-DIMETHYLBENZIDINE							
3-HEXENE-2-5,DIONE							
3-METHYLCHOLANTHRENE							
3-METHYLPHENOL							
3-NITROANILINE	UG/L	50UY	50UY	52UY	50UY	52UY	54UY
4,6-DINITRO-2-METHYLPHENOL	UG/L	50UY	50UY	52UY	50UY	52UYR	54UYR
4-AMINOBIPHENYL							
4-BROMOPHENYL PHENYL ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	11UY
4-CHLORO-3-METHYLPHENOL	UG/L	10UY	10UY	10UY	10UY	10UYR	11UYR
4-CHLOROANILINE	UG/L	10UY	10UY	10UY	10UY	10UY	11UY
4-CHLOROPHENYL PHENYL ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	11UY
4-METHYLPHENOL	UG/L	10UY	10UY	10UY	10UY	10UYR	11UYR
4-NITROANILINE	UG/L	50UY	50UY	52UY	50UY	52UY	54UY
4-NITROPHENOL	UG/L	50UY	50UY	52UY	50UY	52UYR	54UYR
4-NITROQUINOLINE-1-OXIDE							
5-NITRO-O-TOLUIDINE							
7,12-DIMETHYLBENZ(A)ANTHRACENE							
A,A-DIMETHYLPHENETHYLAMINE							
ACENAPHTHENE	UG/L	10UY	10UY	10UY	10UY	10UY	11UY
ACENAPHTHYLENE	UG/L	10UY	10UY	10UY	10UY	10UY	11UY
ACETOPHENONE							
ANILINE							
ANTHRACENE	UG/L	10UY	10UY	10UY	10UY	10UY	11UY
ARAMITE							
BENZO(A)ANTHRACENE	UG/L	10UY	10UY	10UY	10UY	10UY	11UY
BENZO(A)PYRENE	UG/L	10UY	10UY	10UY	10UY	10UY	11UY
BENZO(B)FLUORANTHENE	UG/L	10UY	10UY	10UY	10UY	10UY	11UY
BENZO(GHI)PERYLENE	UG/L	10UY	10UY	10UY	10UY	10UY	11UY
BENZO(K)FLUORANTHENE	UG/L	10UY	10UY	10UY	10UY	10UY	11UY

Data Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:		10155	10157	10158	10160	10168	10169
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW195	MET 2	MET 3	MW193	MW202	MW182
SAMPLE DATE:		03/19/1991	03/27/1991	03/27/1991	05/06/1991	04/02/1991	04/02/1991
SAMPLE TIME:		09:45	13:30	13:15	10:15	15:45	08:35
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
BENZOIC ACID	UG/L	50UY	50UY	52UY	50UY	52UYR	54UYR
BENZYL ALCOHOL	UG/L	10UY	10UY	10UY	10UY	10UY	11UY
BENZYL BUTYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	11UY
BIS(2-CHLOROETHOXY) METHANE	UG/L	10UY	10UY	10UY	10UY	10UY	11UY
BIS(2-CHLOROETHYL)ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	11UY
BIS(2-CHLOROISOPROPYL) ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	11UY
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	4DYJ	10UYJB	10UY	10UYUJ	1DYJ	9DYJ
CHLOROBENZILATE							
CHRYSENE	UG/L	10UY	10UY	10UY	10UY	10UY	11UY
DI-N-BUTYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	11UY
DI-N-OCTYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	11UY
DIALLATE							
DIBENZO(A,H)ANTHRACENE	UG/L	10UY	10UY	10UY	10UY	10UY	11UY
DIBENZOFURAN	UG/L	10UY	10UY	10UY	10UY	10UY	11UY
DIETHYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	11UY
DIMETHYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	11UY
DIPHENYLAMINE							
ETHYL METHACRYLATE							
ETHYL METHANESULFONATE							
FLUORANTHENE	UG/L	10UY	10UY	10UY	10UY	10UY	11UY
FLUORENE	UG/L	10UY	10UY	10UY	10UY	10UY	11UY
HEXACHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	11UY
HEXACHLOROBUTADIENE	UG/L	10UY	10UY	10UY	10UY	10UY	11UY
HEXACHLOROCYCLOPENTADIENE	UG/L	10UY	10UY	10UY	10UY	10UY	11UY
HEXACHLOROETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	11UY
HEXACHLOROPHENE							
HEXACHLOROPROPENE							
INDENO(1,2,3-CD)PYRENE	UG/L	10UY	10UY	10UY	10UY	10UY	11UY
ISOPHORONE	UG/L	10UY	10UY	10UY	10UY	10UY	11UY
ISOSAFROLE							

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10155	10157	10158	10160	10168	10169
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW195	MET 2	MET 3	MW193	MW202	MW182
SAMPLE DATE:		03/19/1991	03/27/1991	03/27/1991	05/06/1991	04/02/1991	04/02/1991
SAMPLE TIME:		09:45	13:30	13:15	10:15	15:45	08:35
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
METHAPYRILENE							
METHYL METHACRYLATE							
METHYL METHANESULFONATE							
N-NITROSO-DI-N-BUTYLAMINE							
N-NITROSO-DI-N-PROPYLAMINE	UG/L	10UY	10UY	10UY	10UY	10UY	11UY
N-NITROSODIETHYLAMINE							
N-NITROSODIMETHYLAMINE							
N-NITROSODIPHENYLAMINE	UG/L	10UY	10UY	10UY	10UY	10UY	11UY
N-NITROSOMETHYLETHYLAMINE							
N-NITROSOMORPHOLINE							
N-NITROSOPIPERIDINE							
N-NITROSOPYRROLIDINE							
NAPHTHALENE	UG/L	10UY	10UY	10UY	10UY	10UY	11UY
NITROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	11UY
O-TOLUIDINE							
P-DIMETHYLAMINOAZOBENZENE							
P-PHENYLENEDIAMINE							
PENTACHLOROBENZENE							
PENTACHLOROETHANE							
PENTACHLORONITROBENZENE							
PENTACHLOROPHENOL	UG/L	50UY	50UY	52UY	50UY	52UYR	54UYR
PHENACETIN							
PHENANTHRENE	UG/L	10UY	10UY	10UY	10UY	10UY	11UY
PHENOL	UG/L	10UY	10UY	10UY	10UY	10UYR	11UYR
PRONAMIDE							
PYRENE	UG/L	10UY	10UY	10UY	10UY	10UY	11UY
PYRIDINE							
SAFROLE							

Data Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:		10170	10171	10172	10173	10174	10175
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW191	MW192	MW200	MW196	MW197	MW198
SAMPLE DATE:		04/01/1991	04/23/1991	04/02/1991	04/22/1991	04/03/1991	05/01/1991
SAMPLE TIME:		17:00	09:55	10:30	15:00	13:55	10:50
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,2,4,5-TETRACHLOROBENZENE							
1,2,4-TRICHLOROBENZENE	UG/L	11UY	10UY	10UY	11UY	11UY	10UY
1,2-DICHLOROBENZENE	UG/L	11UY	10UY	10UY	11UY	11UY	10UY
1,2-DIPHENYLHYDRAZINE							
1,3,5-TRINITROBENZENE							
1,3-DICHLOROBENZENE	UG/L	11UY	10UY	10UY	11UY	11UY	10UY
1,3-DINITROBENZENE							
1,4-DICHLOROBENZENE	UG/L	11UY	10UY	10UY	11UY	11UY	10UY
1,4-DIOXANE							
1,4-NAPHTHOQUINONE							
1-NAPHTHLAMINE							
2,3,4,6-TETRACHLOROPHENOL							
2,4,5-TRICHLOROPHENOL	UG/L	54UY	50UY	52UY	55UY	55UY	50UY
2,4,6-TRICHLOROPHENOL	UG/L	11UY	10UY	10UY	11UY	11UY	10UY
2,4-DICHLOROPHENOL	UG/L	11UY	10UY	10UY	11UY	11UY	10UY
2,4-DIMETHYLPHENOL	UG/L	11UY	10UY	10UY	11UY	11UY	10UY
2,4-DINITROPHENOL	UG/L	54UY	50UY	52UY	55UY	55UY	50UY
2,4-DINITROTOLUENE	UG/L	11UY	10UY	10UY	11UY	11UY	10UY
2,6-DICHLOROPHENOL							
2,6-DINITROTOLUENE	UG/L	11UY	10UY	10UY	11UY	11UY	10UY
2-ACETYLAMINOFLUORENE							
2-CHLORONAPHTHALENE	UG/L	11UY	10UY	10UY	11UY	11UY	10UY
2-CHLOROPHENOL	UG/L	11UY	10UY	10UY	11UY	11UY	10UY
2-METHYLNAPHTHALENE	UG/L	11UY	10UY	10UY	11UY	11UY	10UY
2-METHYLPHENOL	UG/L	11UY	10UY	10UY	11UY	11UY	10UY
2-NAPHTHYLAMINE							
2-NITROANILINE	UG/L	54UY	50UY	52UY	55UY	55UY	50UY
2-NITROPHENOL	UG/L	11UY	10UY	10UY	11UY	11UY	10UY
2-PICOLINE							
2-SEC-BUTYL-4,6-DINITROPHENOL							

Data Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:		10170	10171	10172	10173	10174	10175
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW191	MW192	MW200	MW196	MW197	MW198
SAMPLE DATE:		04/01/1991	04/23/1991	04/02/1991	04/22/1991	04/03/1991	05/01/1991
SAMPLE TIME:		17:00	09:55	10:30	15:00	13:55	10:50
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
3,3'-DICHLOROBENZIDINE	UG/L	22UY	20UY	21UY	22UY	22UY	20UY
3,3'-DIMETHYLBENZIDINE							
3-HEXENE-2-5,DIONE							
3-METHYLCHOLANTHRENE							
3-METHYLPHENOL							
3-NITROANILINE	UG/L	54UY	50UY	52UY	55UY	55UY	50UY
4,6-DINITRO-2-METHYLPHENOL	UG/L	54UY	50UY	52UY	55UY	55UY	50UY
4-AMINOBIPHENYL							
4-BROMOPHENYL PHENYL ETHER	UG/L	11UY	10UY	10UY	11UY	11UY	10UY
4-CHLORO-3-METHYLPHENOL	UG/L	11UY	10UY	10UY	11UY	11UY	10UY
4-CHLOROANILINE	UG/L	11UY	10UY	10UY	11UY	11UY	10UY
4-CHLOROPHENYL PHENYL ETHER	UG/L	11UY	10UY	10UY	11UY	11UY	10UY
4-METHYLPHENOL	UG/L	11UY	10UY	10UY	11UY	11UY	10UY
4-NITROANILINE	UG/L	54UY	50UY	52UY	55UY	55UY	50UY
4-NITROPHENOL	UG/L	54UY	50UY	52UY	55UY	55UY	50UY
4-NITROQUINOLINE-1-OXIDE							
5-NITRO-O-TOLUIDINE							
7,12-DIMETHYLBENZ(A)ANTHRACENE							
A,A-DIMETHYLPHENETHYLAMINE							
ACENAPHTHENE	UG/L	11UY	10UY	10UY	11UY	11UY	10UY
ACENAPHTHYLENE	UG/L	11UY	10UY	10UY	11UY	11UY	10UY
ACETOPHENONE							
ANILINE							
ANTHRACENE	UG/L	11UY	10UY	10UY	11UY	11UY	10UY
ARAMITE							
BENZO(A)ANTHRACENE	UG/L	11UY	10UY	10UY	11UY	11UY	10UY
BENZO(A)PYRENE	UG/L	11UY	10UY	10UY	11UY	11UY	10UY
BENZO(B)FLUORANTHENE	UG/L	11UY	10UY	10UY	11UY	11UY	10UY
BENZO(GHI)PERYLENE	UG/L	11UY	10UY	10UY	11UY	11UY	10UY
BENZO(K)FLUORANTHENE	UG/L	11UY	10UY	10UY	11UY	11UY	10UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10170	10171	10172	10173	10174	10175
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW191	MW192	MW200	MW196	MW197	MW198
SAMPLE DATE:		04/01/1991	04/23/1991	04/02/1991	04/22/1991	04/03/1991	05/01/1991
SAMPLE TIME:		17:00	09:55	10:30	15:00	13:55	10:50
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
BENZOIC ACID	UG/L	54UY	50UY	52UY	55UY	55UY	50UY
BENZYL ALCOHOL	UG/L	11UY	10UY	10UY	11UY	11UY	10UY
BENZYL BUTYL PHTHALATE	UG/L	11UY	10UY	10UY	11UY	11UY	10UY
BIS(2-CHLOROETHOXY) METHANE	UG/L	11UY	10UY	10UY	11UY	11UY	10UY
BIS(2-CHLOROETHYL)ETHER	UG/L	11UY	10UY	10UY	11UY	11UY	10UY
BIS(2-CHLOROISOPROPYL) ETHER	UG/L	11UY	10UY	10UY	11UY	11UY	10UY
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	72DY	10UYUJ	10UY	11UY	11UYUJ	4DYJ
CHLOROBENZILATE							
CHRYSENE	UG/L	11UY	10UY	10UY	11UY	11UY	10UY
DI-N-BUTYL PHTHALATE	UG/L	11UY	10UY	10UY	11UY	11UYUJ	2DYJ
DI-N-OCTYL PHTHALATE	UG/L	11UY	10UY	10UY	11UY	11UY	10UY
DIALLATE							
DIBENZO(A,H)ANTHRACENE	UG/L	11UY	10UY	10UY	11UY	11UY	10UY
DIBENZOFURAN	UG/L	11UY	10UY	10UY	11UY	11UY	10UY
DIETHYL PHTHALATE	UG/L	11UY	10UY	10UY	11UY	11UY	10UY
DIMETHYL PHTHALATE	UG/L	11UY	10UY	10UY	11UY	11UY	10UY
DIPHENYLAMINE							
ETHYL METHACRYLATE							
ETHYL METHANESULFONATE							
FLUORANTHENE	UG/L	11UY	10UY	10UY	11UY	11UY	10UY
FLUORENE	UG/L	11UY	10UY	10UY	11UY	11UY	10UY
HEXACHLOROBENZENE	UG/L	11UY	10UY	10UY	11UY	11UY	10UY
HEXACHLOROBUTADIENE	UG/L	11UY	10UY	10UY	11UY	11UY	10UY
HEXACHLOROCYCLOPENTADIENE	UG/L	11UY	10UY	10UY	11UY	11UY	10UY
HEXACHLOROETHANE	UG/L	11UY	10UY	10UY	11UY	11UY	10UY
HEXACHLOROPHENE							
HEXACHLOROPROPENE							
INDENO(1,2,3-CD)PYRENE	UG/L	11UY	10UY	10UY	11UY	11UY	10UY
ISOPHORONE	UG/L	11UY	10UY	10UY	11UY	11UY	10UY
ISOSAFROLE							

Data Format: value + detected flag + validated flag + qualifiers

DMS CHEMICAL OBSERVATIONS MATRIX
ROUNDWATER
ADUCAH PHASE II
AMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10170	10171	10172	10173	10174	10175
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW191	MW192	MW200	MW196	MW197	MW198
SAMPLE DATE:		04/01/1991	04/23/1991	04/02/1991	04/22/1991	04/03/1991	05/01/1991
SAMPLE TIME:		17:00	09:55	10:30	15:00	13:55	10:50
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
METHAPYRILENE							
METHYL METHACRYLATE							
METHYL METHANESULFONATE							
N-NITROSO-DI-N-BUTYLAMINE							
N-NITROSO-DI-N-PROPYLAMINE	UG/L	11UY	10UY	10UY	11UY	11UY	10UY
N-NITROSODIETHYLAMINE							
N-NITROSODIMETHYLAMINE							
N-NITROSODIPHENYLAMINE	UG/L	11UY	10UY	10UY	11UY	11UY	10UY
N-NITROSOMETHYLETHYLAMINE							
N-NITROSOMORPHOLINE							
N-NITROSOPIPERIDINE							
N-NITROSOPYRROLIDINE							
NAPHTHALENE	UG/L	11UY	10UY	10UY	11UY	11UY	10UY
NITROBENZENE	UG/L	11UY	10UY	10UY	11UY	11UY	10UY
O-TOLUIDINE							
P-DIMETHYLAMINOAZOBENZENE							
P-PHENYLENEDIAMINE							
PENTACHLOROBENZENE							
PENTACHLOROETHANE							
PENTACHLORONITROBENZENE							
PENTACHLOROPHENOL	UG/L	54UY	50UY	52UY	55UY	55UY	50UY
PHENACETIN							
PHENANTHRENE	UG/L	11UY	10UY	10UY	11UY	11UY	10UY
PHENOL	UG/L	11UY	10UY	10UY	11UY	11UY	10UY
PRONAMIDE							
PYRENE	UG/L	11UY	10UY	10UY	11UY	11UY	10UY
PYRIDINE							
SAFROLE							

Data Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:		10177	10178	10179	10180	10181	10182
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW201	MW203	MW204	MW121	MW123	MW125
SAMPLE DATE:		04/25/1991	04/25/1991	04/25/1991	04/30/1991	04/29/1991	04/29/1991
SAMPLE TIME:		16:94	10:15	09:20	11:40	15:55	15:40
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,2,4,5-TETRACHLOROBENZENE							
1,2,4-TRICHLOROBENZENE	UG/L	10UY	12UY	10UY			
1,2-DICHLOROBENZENE	UG/L	10UY	12UY	10UY			
1,2-DIPHENYLHYDRAZINE							
1,3,5-TRINITROBENZENE							
1,3-DICHLOROBENZENE	UG/L	10UY	12UY	10UY			
1,3-DINITROBENZENE							
1,4-DICHLOROBENZENE	UG/L	10UY	12UY	10UY			
1,4-DIOXANE							
1,4-NAPHTHOQUINONE							
1-NAPHTHLAMINE							
2,3,4,6-TETRACHLOROPHENOL							
2,4,5-TRICHLOROPHENOL	UG/L	50UY	60UY	50UY			
2,4,6-TRICHLOROPHENOL	UG/L	10UY	12UY	10UY			
2,4-DICHLOROPHENOL	UG/L	10UY	12UY	10UY			
2,4-DIMETHYLPHENOL	UG/L	10UY	12UY	10UY			
2,4-DINITROPHENOL	UG/L	50UY	60UY	50UY			
2,4-DINITROTOLUENE	UG/L	10UY	12UY	10UY			
2,6-DICHLOROPHENOL							
2,6-DINITROTOLUENE	UG/L	10UY	12UY	10UY			
2-ACETYLAMINOFLUORENE							
2-CHLORONAPHTHALENE	UG/L	10UY	12UY	10UY			
2-CHLOROPHENOL	UG/L	10UY	12UY	10UY			
2-METHYLNAPHTHALENE	UG/L	10UY	12UY	10UY			
2-METHYLPHENOL	UG/L	10UY	12UY	10UY			
2-NAPHTHYLAMINE							
2-NITROANILINE	UG/L	50UY	60UY	50UY			
2-NITROPHENOL	UG/L	10UY	12UY	10UY			
2-PICOLINE							
2-SEC-BUTYL-4,6-DINITROPHENOL							

ata Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10177	10178	10179	10180	10181	10182
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW201	MW203	MW204	MW121	MW123	MW125
SAMPLE DATE:		04/25/1991	04/25/1991	04/25/1991	04/30/1991	04/29/1991	04/29/1991
SAMPLE TIME:		16:94	10:15	09:20	11:40	15:55	15:40
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
3,3'-DICHLOROBENZIDINE	UG/L	20UY	24UY	20UY			
3,3'-DIMETHYLBENZIDINE							
3-HEXENE-2-5,DIONE							
3-METHYLCHOLANTHRENE							
3-METHYLPHENOL							
3-NITROANILINE	UG/L	50UY	60UY	50UY			
4,6-DINITRO-2-METHYLPHENOL	UG/L	50UY	60UY	50UY			
4-AMINOBIPHENYL							
4-BROMOPHENYL PHENYL ETHER	UG/L	10UY	12UY	10UY			
4-CHLORO-3-METHYLPHENOL	UG/L	10UY	12UY	10UY			
4-CHLOROANILINE	UG/L	10UY	12UY	10UY			
4-CHLOROPHENYL PHENYL ETHER	UG/L	10UY	12UY	10UY			
4-METHYLPHENOL	UG/L	10UY	12UY	10UY			
4-NITROANILINE	UG/L	50UY	60UY	50UY			
4-NITROPHENOL	UG/L	50UY	60UY	50UY			
4-NITROQUINOLINE-1-OXIDE							
5-NITRO-O-TOLUIDINE							
7,12-DIMETHYLBENZ(A)ANTHRACENE							
A,A-DIMETHYLPHENETHYLAMINE							
ACENAPHTHENE	UG/L	10UY	12UY	10UY			
ACENAPHTHYLENE	UG/L	10UY	12UY	10UY			
ACETOPHENONE							
ANILINE							
ANTHRACENE	UG/L	10UY	12UY	10UY			
ARAMITE							
BENZO(A)ANTHRACENE	UG/L	10UY	12UY	10UY			
BENZO(A)PYRENE	UG/L	10UY	12UY	10UY			
BENZO(B)FLUORANTHENE	UG/L	10UY	12UY	10UY			
BENZO(GHI)PERYLENE	UG/L	10UY	12UY	10UY			
BENZO(K)FLUORANTHENE	UG/L	10UY	12UY	10UY			

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10177	10178	10179	10180	10181	10182
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW201	MW203	MW204	MW121	MW123	MW125
SAMPLE DATE:		04/25/1991	04/25/1991	04/25/1991	04/30/1991	04/29/1991	04/29/1991
SAMPLE TIME:		16:94	10:15	09:20	11:40	15:55	15:40
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
BENZOIC ACID	UG/L	50UY	60UY	50UY			
BENZYL ALCOHOL	UG/L	10UY	12UY	10UY			
BENZYL BUTYL PHTHALATE	UG/L	10UY	12UY	10UY			
BIS(2-CHLOROETHOXY) METHANE	UG/L	10UY	12UY	10UY			
BIS(2-CHLOROETHYL)ETHER	UG/L	10UY	12UY	10UY			
BIS(2-CHLOROISOPROPYL) ETHER	UG/L	10UY	12UY	10UY			
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	10UYJB	12UY	10UY			
CHLOROBENZILATE							
CHRYSENE	UG/L	10UY	12UY	10UY			
DI-N-BUTYL PHTHALATE	UG/L	10UY	12UY	10UY			
DI-N-OCTYL PHTHALATE	UG/L	10UY	12UY	10UY			
DIALLATE							
DIBENZO(A,H)ANTHRACENE	UG/L	10UY	12UY	10UY			
DIBENZOFURAN	UG/L	10UY	12UY	10UY			
DIETHYL PHTHALATE	UG/L	10UY	12UY	10UY			
DIMETHYL PHTHALATE	UG/L	10UY	12UY	10UY			
DIPHENYLAMINE							
ETHYL METHACRYLATE							
ETHYL METHANESULFONATE							
FLUORANTHENE	UG/L	10UY	12UY	10UY			
FLUORENE	UG/L	10UY	12UY	10UY			
HEXACHLOROBENZENE	UG/L	10UY	12UY	10UY			
HEXACHLOROBUTADIENE	UG/L	10UY	12UY	10UY			
HEXACHLOROCYCLOPENTADIENE	UG/L	10UY	12UY	10UY			
HEXACHLOROETHANE	UG/L	10UY	12UY	10UY			
HEXACHLOROPHENE							
HEXACHLOROPROPENE							
INDENO(1,2,3-CD)PYRENE	UG/L	10UY	12UY	10UY			
ISOPHORONE	UG/L	10UY	12UY	10UY			
ISOSAFROLE							

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10177	10178	10179	10180	10181	10182
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW201	MW203	MW204	MW121	MW123	MW125
SAMPLE DATE:		04/25/1991	04/25/1991	04/25/1991	04/30/1991	04/29/1991	04/29/1991
SAMPLE TIME:		16:94	10:15	09:20	11:40	15:55	15:40
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
METHAPYRILENE							
METHYL METHACRYLATE							
METHYL METHANESULFONATE							
N-NITROSO-DI-N-BUTYLAMINE							
N-NITROSO-DI-N-PROPYLAMINE	UG/L	10UY	12UY	10UY			
N-NITROSODIETHYLAMINE							
N-NITROSODIMETHYLAMINE							
N-NITROSODIPHENYLAMINE	UG/L	10UY	12UY	10UY			
N-NITROSOMETHYLETHYLAMINE							
N-NITROSOMORPHOLINE							
N-NITROSOPIPERIDINE							
N-NITROSOPYRROLIDINE							
NAPHTHALENE	UG/L	10UY	12UY	10UY			
NITROBENZENE	UG/L	10UY	12UY	10UY			
O-TOLUIDINE							
P-DIMETHYLAMINOAZOBENZENE							
P-PHENYLENEDIAMINE							
PENTACHLOROBENZENE							
PENTACHLOROETHANE							
PENTACHLORONITROBENZENE							
PENTACHLOROPHENOL	UG/L	50UY	60UY	50UY			
PHENACETIN							
PHENANTHRENE	UG/L	10UY	12UY	10UY			
PHENOL	UG/L	10UY	12UY	10UY			
PRONAMIDE							
PYRENE	UG/L	10UY	12UY	10UY			
PYRIDINE							
SAFROLE							

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10189	10190	10191	10192	10193	10194
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW152	MW153	MW155	MW156	MW157	MW158
SAMPLE DATE:		05/09/1991	05/09/1991	05/06/1991	05/08/1991	05/06/1991	05/10/1991
SAMPLE TIME:		10:40	11:10	10:20	10:35	10:50	14:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,2,4,5-TETRACHLOROBENZENE							
1,2,4-TRICHLOROBENZENE	UG/L			10UY	10UY	10UY	10UY
1,2-DICHLOROBENZENE	UG/L			10UY	10UY	10UY	10UY
1,2-DIPHENYLHYDRAZINE							
1,3,5-TRINITROBENZENE							
1,3-DICHLOROBENZENE	UG/L			10UY	10UY	10UY	10UY
1,3-DINITROBENZENE							
1,4-DICHLOROBENZENE	UG/L			10UY	10UY	10UY	10UY
1,4-DIOXANE							
1,4-NAPHTHOQUINONE							
1-NAPHTHLAMINE							
2,3,4,6-TETRACHLOROPHENOL							
2,4,5-TRICHLOROPHENOL	UG/L			50UY	50UYR	50UY	50UYR
2,4,6-TRICHLOROPHENOL	UG/L			10UY	10UYR	10UY	10UYR
2,4-DICHLOROPHENOL	UG/L			10UY	10UYR	10UY	10UYR
2,4-DIMETHYLPHENOL	UG/L			10UY	10UYR	10UY	10UYR
2,4-DINITROPHENOL	UG/L			50UY	50UYR	50UY	50UYR
2,4-DINITROTOLUENE	UG/L			10UY	10UY	10UY	10UY
2,6-DICHLOROPHENOL							
2,6-DINITROTOLUENE	UG/L			10UY	10UY	10UY	10UY
2-ACETYLAMINOFLUORENE							
2-CHLORONAPHTHALENE	UG/L			10UY	10UY	10UY	10UY
2-CHLOROPHENOL	UG/L			10UY	10UYR	10UY	10UYR
2-METHYLNAPHTHALENE	UG/L			10UY	10UY	10UY	10UY
2-METHYLPHENOL	UG/L			10UY	10UYR	10UY	10UYR
2-NAPHTHYLAMINE							
2-NITROANILINE	UG/L			50UY	50UY	50UY	50UY
2-NITROPHENOL	UG/L			10UY	10UYR	10UY	10UYR
2-PICOLINE							
2-SEC-BUTYL-4,6-DINITROPHENOL							

Data Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:		10189	10190	10191	10192	10193	10194
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW152	MW153	MW155	MW156	MW157	MW158
SAMPLE DATE:		05/09/1991	05/09/1991	05/06/1991	05/08/1991	05/06/1991	05/10/1991
SAMPLE TIME:		10:40	11:10	10:20	10:35	10:50	14:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
3,3'-DICHLOROBENZIDINE	UG/L			20UY	20UY	20UY	20UY
3,3'-DIMETHYLBENZIDINE							
3-HEXENE-2-5,DIONE							
3-METHYLCHOLANTHRENE							
3-METHYLPHENOL							
3-NITROANILINE	UG/L			50UY	50UY	50UY	50UY
4,6-DINITRO-2-METHYLPHENOL	UG/L			50UY	50UYR	50UY	50UYR
4-AMINOBIPHENYL							
4-BROMOPHENYL PHENYL ETHER	UG/L			10UY	10UY	10UY	10UY
4-CHLORO-3-METHYLPHENOL	UG/L			10UY	10UYR	10UY	10UYR
4-CHLOROANILINE	UG/L			10UY	10UY	10UY	10UY
4-CHLOROPHENYL PHENYL ETHER	UG/L			10UY	10UY	10UY	10UY
4-METHYLPHENOL	UG/L			10UY	10UYR	10UY	10UYR
4-NITROANILINE	UG/L			50UY	50UY	50UY	50UY
4-NITROPHENOL	UG/L			50UY	50UYR	50UY	50UYR
4-NITROQUINOLINE-1-OXIDE							
5-NITRO-O-TOLUIDINE							
7,12-DIMETHYLBENZ(A)ANTHRACENE							
A,A-DIMETHYLPHENETHYLAMINE							
ACENAPHTHENE	UG/L			10UY	10UY	10UY	10UY
ACENAPHTHYLENE	UG/L			10UY	10UY	10UY	10UY
ACETOPHENONE							
ANILINE							
ANTHRACENE	UG/L			10UY	10UY	10UY	10UY
ARAMITE							
BENZO(A)ANTHRACENE	UG/L			10UY	10UY	10UY	10UY
BENZO(A)PYRENE	UG/L			10UY	10UY	10UY	10UY
BENZO(B)FLUORANTHENE	UG/L			10UY	10UY	10UY	10UY
BENZO(GHI)PERYLENE	UG/L			10UY	10UY	10UY	10UY
BENZO(K)FLUORANTHENE	UG/L			10UY	10UY	10UY	10UY

Data Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:		10189	10190	10191	10192	10193	10194
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW152	MW153	MW155	MW156	MW157	MW158
SAMPLE DATE:		05/09/1991	05/09/1991	05/06/1991	05/08/1991	05/06/1991	05/10/1991
SAMPLE TIME:		10:40	11:10	10:20	10:35	10:50	14:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
BENZOIC ACID	UG/L			50UY	50UYR	50UY	50UYR
BENZYL ALCOHOL	UG/L			10UY	10UY	10UY	10UY
BENZYL BUTYL PHTHALATE	UG/L			10UY	10UY	10UY	10UY
BIS(2-CHLOROETHOXY) METHANE	UG/L			10UY	10UY	10UY	10UY
BIS(2-CHLOROETHYL)ETHER	UG/L			10UY	10UY	10UY	10UY
BIS(2-CHLOROISOPROPYL) ETHER	UG/L			10UY	10UY	10UY	10UY
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L			10UY	6DYJ	16UYJB	10UY
CHLOROBENZILATE							
CHRYSENE	UG/L			10UY	10UY	10UY	10UY
DI-N-BUTYL PHTHALATE	UG/L			10UY	10UY	10UY	10UY
DI-N-OCTYL PHTHALATE	UG/L			10UY	10UY	10UY	10UY
DIALLATE							
DIBENZO(A,H)ANTHRACENE	UG/L			10UY	10UY	10UY	10UY
DIBENZOFURAN	UG/L			10UY	10UY	10UY	10UY
DIETHYL PHTHALATE	UG/L			10UY	10UY	10UY	10UY
DIMETHYL PHTHALATE	UG/L			10UY	10UY	10UY	10UY
DIPHENYLAMINE							
ETHYL METHACRYLATE							
ETHYL METHANESULFONATE							
FLUORANTHENE	UG/L			10UY	10UY	10UY	10UY
FLUORENE	UG/L			10UY	10UY	10UY	10UY
HEXACHLOROBENZENE	UG/L			10UY	10UY	10UY	10UY
HEXACHLOROBUTADIENE	UG/L			10UY	10UY	10UY	10UY
HEXACHLOROCYCLOPENTADIENE	UG/L			10UY	10UY	10UY	10UY
HEXACHLOROETHANE	UG/L			10UY	10UY	10UY	10UY
HEXACHLOROPHENE							
HEXACHLOROPROPENE							
INDENO(1,2,3-CD)PYRENE	UG/L			10UY	10UY	10UY	10UY
ISOPHORONE	UG/L			10UY	10UY	10UY	10UY
ISOSAFROLE							

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10189	10190	10191	10192	10193	10194
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW152	MW153	MW155	MW156	MW157	MW158
SAMPLE DATE:		05/09/1991	05/09/1991	05/06/1991	05/08/1991	05/06/1991	05/10/1991
SAMPLE TIME:		10:40	11:10	10:20	10:35	10:50	14:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
METHAPYRILENE							
METHYL METHACRYLATE							
METHYL METHANESULFONATE							
N-NITROSO-DI-N-BUTYLAMINE							
N-NITROSO-DI-N-PROPYLAMINE	UG/L			10UY	10UY	10UY	10UY
N-NITROSODIETHYLAMINE							
N-NITROSODIMETHYLAMINE							
N-NITROSODIPHENYLAMINE	UG/L			10UY	10UY	10UY	10UY
N-NITROSOMETHYLETHYLAMINE							
N-NITROSOMORPHOLINE							
N-NITROSOPIPERIDINE							
N-NITROSOPYRROLIDINE							
NAPHTHALENE	UG/L			10UY	10UY	10UY	10UY
NITROBENZENE	UG/L			10UY	10UY	10UY	10UY
O-TOLUIDINE							
P-DIMETHYLAMINOAZOBENZENE							
P-PHENYLENEDIAMINE							
PENTACHLOROBENZENE							
PENTACHLOROETHANE							
PENTACHLORONITROBENZENE							
PENTACHLOROPHENOL	UG/L			50UY	50UYR	50UY	50UYR
PHENACETIN							
PHENANTHRENE	UG/L			10UY	10UY	10UY	10UY
PHENOL	UG/L			10UY	10UYR	10UY	10UYR
PRONAMIDE							
PYRENE	UG/L			10UY	10UY	10UY	10UY
PYRIDINE							
SAFROLE							

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10195	10196	10197	10198	10199	10200
SUB-SAMPLE ID:		DUP	00000	00000	00000	00000	DUP
STATION ID:		MW158	MW159	MW160	MW161	MW162	MW162
SAMPLE DATE:		05/10/1991	05/10/1991	05/10/1991	05/08/1991	05/08/1991	05/08/1991
SAMPLE TIME:		14:15	11:10	14:20	15:30	14:40	14:40
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,2,4,5-TETRACHLOROBENZENE							
1,2,4-TRICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	11UY	10UY
1,2-DICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	11UY	10UY
1,2-DIPHENYLHYDRAZINE							
1,3,5-TRINITROBENZENE							
1,3-DICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	11UY	10UY
1,3-DINITROBENZENE							
1,4-DICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	11UY	10UY
1,4-DIOXANE							
1,4-NAPHTHOQUINONE							
1-NAPHTHLAMINE							
2,3,4,6-TETRACHLOROPHENOL							
2,4,5-TRICHLOROPHENOL	UG/L	50UYR	50UYR	50UY	50UYR	55UY	50UY
2,4,6-TRICHLOROPHENOL	UG/L	10UYR	10UYR	10UY	10UYR	11UY	10UY
2,4-DICHLOROPHENOL	UG/L	10UYR	10UYR	10UY	10UYR	11UY	10UY
2,4-DIMETHYLPHENOL	UG/L	10UYR	10UYR	10UY	10UYR	11UY	10UY
2,4-DINITROPHENOL	UG/L	50UYR	50UYR	50UY	50UYR	55UY	50UY
2,4-DINITROTOLUENE	UG/L	10UY	10UY	10UY	10UY	11UY	10UY
2,6-DICHLOROPHENOL							
2,6-DINITROTOLUENE	UG/L	10UY	10UY	10UY	10UY	11UY	10UY
2-ACETYLAMINOFLUORENE							
2-CHLORONAPHTHALENE	UG/L	10UY	10UY	10UY	10UY	11UY	10UY
2-CHLOROPHENOL	UG/L	10UYR	10UYR	10UY	10UYR	11UY	10UY
2-METHYLNAPHTHALENE	UG/L	10UY	10UY	10UY	10UY	11UY	10UY
2-METHYLPHENOL	UG/L	10UYR	10UYR	10UY	10UYR	11UY	10UY
2-NAPHTHYLAMINE							
2-NITROANILINE	UG/L	50UY	50UY	50UY	50UY	55UY	50UY
2-NITROPHENOL	UG/L	10UYR	10UYR	10UY	10UYR	11UY	10UY
2-PICOLINE							
2-SEC-BUTYL-4,6-DINITROPHENOL							

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10195	10196	10197	10198	10199	10200
SUB-SAMPLE ID:		DUP	00000	00000	00000	00000	DUP
STATION ID:		MW158	MW159	MW160	MW161	MW162	MW162
SAMPLE DATE:		05/10/1991	05/10/1991	05/10/1991	05/08/1991	05/08/1991	05/08/1991
SAMPLE TIME:		14:15	11:10	14:20	15:30	14:40	14:40
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
3,3'-DICHLOROBENZIDINE	UG/L	20UY	20UY	20UY	20UY	22UY	20UY
3,3'-DIMETHYLBENZIDINE							
3-HEXENE-2-5,DIONE							
3-METHYLCHOLANTHRENE							
3-METHYLPHENOL							
3-NITROANILINE	UG/L	50UY	50UY	50UY	50UY	55UY	50UY
4,6-DINITRO-2-METHYLPHENOL	UG/L	50UYR	50UYR	50UY	50UY	55UY	50UY
4-AMINOBIPHENYL							
4-BROMOPHENYL PHENYL ETHER	UG/L	10UY	10UY	10UY	10UY	11UY	10UY
4-CHLORO-3-METHYLPHENOL	UG/L	10UYR	10UYR	10UY	10UYR	11UY	10UY
4-CHLOROANILINE	UG/L	10UY	10UY	10UY	10UY	11UY	10UY
4-CHLOROPHENYL PHENYL ETHER	UG/L	10UY	10UY	10UY	10UY	11UY	10UY
4-METHYLPHENOL	UG/L	10UYR	10UYR	10UY	10UYR	11UY	10UY
4-NITROANILINE	UG/L	50UY	50UY	50UY	50UY	55UY	50UY
4-NITROPHENOL	UG/L	50UYR	50UYR	50UY	50UYR	55UY	50UY
4-NITROQUINOLINE-1-OXIDE							
5-NITRO-O-TOLUIDINE							
7,12-DIMETHYLBENZ(A)ANTHRACENE							
A,A-DIMETHYLPHENETHYLAMINE							
ACENAPHTHENE	UG/L	10UY	10UY	10UY	10UY	11UY	10UY
ACENAPHTHYLENE	UG/L	10UY	10UY	10UY	10UY	11UY	10UY
ACETOPHENONE							
ANILINE							
ANTHRACENE	UG/L	10UY	10UY	10UY	10UY	11UY	10UY
ARAMITE							
BENZO(A)ANTHRACENE	UG/L	10UY	10UY	10UY	10UY	11UY	10UY
BENZO(A)PYRENE	UG/L	10UY	10UY	10UY	10UY	11UY	10UY
BENZO(B)FLUORANTHENE	UG/L	10UY	10UY	10UY	10UY	11UY	10UY
BENZO(GHI)PERYLENE	UG/L	10UY	10UY	10UY	10UY	11UY	10UY
BENZO(K)FLUORANTHENE	UG/L	10UY	10UY	10UY	10UY	11UY	10UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10195	10196	10197	10198	10199	10200
SUB-SAMPLE ID:		DUP	00000	00000	00000	00000	DUP
STATION ID:		MW158	MW159	MW160	MW161	MW162	MW162
SAMPLE DATE:		05/10/1991	05/10/1991	05/10/1991	05/08/1991	05/08/1991	05/08/1991
SAMPLE TIME:		14:15	11:10	14:20	15:30	14:40	14:40
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
BENZOIC ACID	UG/L	50UYR	50UYR	50UY	50UYR	55UY	50UY
BENZYL ALCOHOL	UG/L	10UY	10UY	10UY	10UY	11UY	10UY
BENZYL BUTYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	11UY	10UY
BIS(2-CHLOROETHOXY) METHANE	UG/L	10UY	10UY	10UY	10UY	11UY	10UY
BIS(2-CHLOROETHYL)ETHER	UG/L	10UY	10UY	10UY	10UY	11UY	10UY
BIS(2-CHLOROISOPROPYL) ETHER	UG/L	10UY	10UY	10UY	10UY	11UY	10UY
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	10UY	10UY	10UY	4DYJ	2DYJ	10UY
CHLOROBENZILATE							
CHRYSENE	UG/L	10UY	10UY	10UY	10UY	11UY	10UY
DI-N-BUTYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	11UY	10UY
DI-N-OCTYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	11UY	10UY
DIALLATE							
DIBENZO(A,H)ANTHRACENE	UG/L	10UY	10UY	10UY	10UY	11UY	10UY
DIBENZOFURAN	UG/L	10UY	10UY	10UY	10UY	11UY	10UY
DIETHYL PHTHALATE	UG/L	10UY	10UY	1DYJ	10UY	11UY	10UY
DIMETHYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	11UY	10UY
DIPHENYLAMINE							
ETHYL METHACRYLATE							
ETHYL METHANESULFONATE							
FLUORANTHENE	UG/L	10UY	10UY	10UY	10UY	11UY	10UY
FLUORENE	UG/L	10UY	10UY	10UY	10UY	11UY	10UY
HEXACHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	11UY	10UY
HEXACHLOROBUTADIENE	UG/L	10UY	10UY	10UY	10UY	11UY	10UY
HEXACHLOROCYCLOPENTADIENE	UG/L	10UY	10UY	10UY	10UY	11UY	10UY
HEXACHLOROETHANE	UG/L	10UY	10UY	10UY	10UY	11UY	10UY
HEXACHLOROPHENE							
HEXACHLOROPROPENE							
INDENO(1,2,3-CD)PYRENE	UG/L	10UY	10UY	10UY	10UY	11UY	10UY
ISOPHORONE	UG/L	10UY	10UY	10UY	10UY	11UY	10UY
ISOSAFROLE							

Data Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:		10195	10196	10197	10198	10199	10200
SUB-SAMPLE ID:		DUP	00000	00000	00000	00000	DUP
STATION ID:		MW158	MW159	MW160	MW161	MW162	MW162
SAMPLE DATE:		05/10/1991	05/10/1991	05/10/1991	05/08/1991	05/08/1991	05/08/1991
SAMPLE TIME:		14:15	11:10	14:20	15:30	14:40	14:40
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
METHAPYRILENE							
METHYL METHACRYLATE							
METHYL METHANESULFONATE							
N-NITROSO-DI-N-BUTYLAMINE							
N-NITROSO-DI-N-PROPYLAMINE	UG/L	10UY	10UY	10UY	10UY	11UY	10UY
N-NITROSODIETHYLAMINE							
N-NITROSODIMETHYLAMINE							
N-NITROSODIPHENYLAMINE	UG/L	10UY	10UY	10UY	10UY	11UY	10UY
N-NITROSOMETHYLETHYLAMINE							
N-NITROSOMORPHOLINE							
N-NITROSOPIPERIDINE							
N-NITROSOPYRROLIDINE							
NAPHTHALENE	UG/L	10UY	10UY	10UY	10UY	11UY	10UY
NITROBENZENE	UG/L	10UY	10UY	10UY	10UY	11UY	10UY
O-TOLUIDINE							
P-DIMETHYLAMINOAZOBENZENE							
P-PHENYLENEDIAMINE							
PENTACHLOROBENZENE							
PENTACHLOROETHANE							
PENTACHLORONITROBENZENE							
PENTACHLOROPHENOL	UG/L	50UYR	50UYR	50UY	50UYR	55UY	50UY
PHENACETIN							
PHENANTHRENE	UG/L	10UY	10UY	10UY	10UY	11UY	10UY
PHENOL	UG/L	10UYR	10UYR	10UY	10UYR	11UY	10UY
PRONAMIDE							
PYRENE	UG/L	10UY	10UY	10UY	10UY	11UY	10UY
PYRIDINE							
SAFROLE							

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10201	10204	10205	10206	10207	10208
SUB-SAMPLE ID:		00000	00000	00000	00000	DUP	00000
STATION ID:		MW163	MW166	MW167	MW168	MW168	MW169
SAMPLE DATE:		05/09/1991	05/13/1991	04/30/1991	05/06/1991	05/06/1991	04/29/1991
SAMPLE TIME:		11:15	10:40	15:30	15:25	15:25	16:00
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,2,4,5-TETRACHLOROBENZENE							
1,2,4-TRICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
1,2-DICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
1,2-DIPHENYLHYDRAZINE							
1,3,5-TRINITROBENZENE							
1,3-DICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
1,3-DINITROBENZENE							
1,4-DICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
1,4-DIOXANE							
1,4-NAPHTHOQUINONE							
1-NAPHTHLAMINE							
2,3,4,6-TETRACHLOROPHENOL							
2,4,5-TRICHLOROPHENOL	UG/L	50UY	50UY	50UY	50UYR	50UYR	50UY
2,4,6-TRICHLOROPHENOL	UG/L	10UY	10UY	10UY	10UYR	10UYR	10UY
2,4-DICHLOROPHENOL	UG/L	10UY	10UY	10UY	10UYR	10UYR	10UY
2,4-DIMETHYLPHENOL	UG/L	10UY	10UY	10UY	10UYR	10UYR	10UY
2,4-DINITROPHENOL	UG/L	50UY	50UY	50UY	50UYR	50UYR	50UY
2,4-DINITROTOLUENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2,6-DICHLOROPHENOL							
2,6-DINITROTOLUENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-ACETYLAMINOFLUORENE							
2-CHLORONAPHTHALENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-CHLOROPHENOL	UG/L	10UY	10UY	10UY	10UYR	10UYR	10UY
2-METHYLNAPHTHALENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-METHYLPHENOL	UG/L	10UY	10UY	10UY	10UYR	10UYR	10UY
2-NAPHTHYLAMINE							
2-NITROANILINE	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
2-NITROPHENOL	UG/L	10UY	10UY	10UY	10UYR	10UYR	10UY
2-PICOLINE							
2-SEC-BUTYL-4,6-DINITROPHENOL							

Data Format: value + detected flag + validated flag + qualifiers

DMS CHEMICAL OBSERVATIONS MATRIX
ROUNDWATER
ADUCAH PHASE II
AMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10201	10204	10205	10206	10207	10208
SUB-SAMPLE ID:		00000	00000	00000	00000	DUP	00000
STATION ID:		MW163	MW166	MW167	MW168	MW168	MW169
SAMPLE DATE:		05/09/1991	05/13/1991	04/30/1991	05/06/1991	05/06/1991	04/29/1991
SAMPLE TIME:		11:15	10:40	15:30	15:25	15:25	16:00
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
3,3'-DICHLOROBENZIDINE	UG/L	20UY	20UY	20UY	20UY	20UY	20UY
3,3'-DIMETHYLBENZIDINE							
3-HEXENE-2-5,DIONE							
3-METHYLCHOLANTHRENE							
3-METHYLPHENOL							
3-NITROANILINE	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
4,6-DINITRO-2-METHYLPHENOL	UG/L	50UY	50UY	50UY	50UYR	50UYR	50UY
4-AMINOBIPHENYL							
4-BROMOPHENYL PHENYL ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-CHLORO-3-METHYLPHENOL	UG/L	10UY	10UY	10UY	10UYR	10UYR	10UY
4-CHLOROANILINE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-CHLOROPHENYL PHENYL ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-METHYLPHENOL	UG/L	10UY	10UY	10UY	10UYR	10UYR	10UY
4-NITROANILINE	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
4-NITROPHENOL	UG/L	50UY	50UY	50UY	50UYR	50UYR	50UY
4-NITROQUINOLINE-1-OXIDE							
5-NITRO-O-TOLUIDINE							
7,12-DIMETHYLBENZ(A)ANTHRACENE							
A,A-DIMETHYLPHENETHYLAMINE							
ACENAPHTHENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ACENAPHTHYLENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ACETOPHENONE							
ANILINE							
ANTHRACENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ARAMITE							
BENZO(A)ANTHRACENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(A)PYRENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(B)FLUORANTHENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(GHI)PERYLENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(K)FLUORANTHENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY

)ata Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10201	10204	10205	10206	10207	10208
SUB-SAMPLE ID:		00000	00000	00000	00000	DUP	00000
STATION ID:		MW163	MW166	MW167	MW168	MW168	MW169
SAMPLE DATE:		05/09/1991	05/13/1991	04/30/1991	05/06/1991	05/06/1991	04/29/1991
SAMPLE TIME:		11:15	10:40	15:30	15:25	15:25	16:00
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
BENZOIC ACID	UG/L	50UY	50UY	50UY	50UYR	50UYR	50UY
BENZYL ALCOHOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZYL BUTYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BIS(2-CHLOROETHOXY) METHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BIS(2-CHLOROETHYL)ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BIS(2-CHLOROISOPROPYL) ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	10UY	13DYJ	10UYJB	10UY	10UY	10UY
CHLOROBENZILATE							
CHRYSENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DI-N-BUTYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DI-N-OCTYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIALLATE							
DIBENZO(A,H)ANTHRACENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIBENZOFURAN	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIETHYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIMETHYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIPHENYLAMINE							
ETHYL METHACRYLATE							
ETHYL METHANESULFONATE							
FLUORANTHENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
FLUORENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROBUTADIENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROCYCLOPENTADIENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROPHENE							
HEXACHLOROPROPENE							
INDENO(1,2,3-CD)PYRENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ISOPHORONE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ISOSAFROLE							

ata Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:		10201	10204	10205	10206	10207	10208
SUB-SAMPLE ID:		00000	00000	00000	00000	DUP	00000
STATION ID:		MW163	MW166	MW167	MW168	MW168	MW169
SAMPLE DATE:		05/09/1991	05/13/1991	04/30/1991	05/06/1991	05/06/1991	04/29/1991
SAMPLE TIME:		11:15	10:40	15:30	15:25	15:25	16:00
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
METHAPYRILENE							
METHYL METHACRYLATE							
METHYL METHANESULFONATE							
N-NITROSO-DI-N-BUTYLAMINE							
N-NITROSO-DI-N-PROPYLAMINE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
N-NITROSODIETHYLAMINE							
N-NITROSODIMETHYLAMINE							
N-NITROSODIPHENYLAMINE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
N-NITROSOMETHYLETHYLAMINE							
N-NITROSOMORPHOLINE							
N-NITROSOPIPERIDINE							
N-NITROSOPYRROLIDINE							
NAPHTHALENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
NITROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
O-TOLUIDINE							
P-DIMETHYLAMINOAZOBENZENE							
P-PHENYLENEDIAMINE							
PENTACHLOROBENZENE							
PENTACHLOROETHANE							
PENTACHLORONITROBENZENE							
PENTACHLOROPHENOL	UG/L	50UY	50UY	50UY	50UYR	50UYR	50UY
PHENACETIN							
PHENANTHRENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
PHENOL	UG/L	10UY	10UY	10UY	10UYR	10UYR	10UY
PRONAMIDE							
PYRENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
PYRIDINE							
SAFROLE							

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10209	10210	10211	10212	10213	10214
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW170	MW171	MW172	MW173	MW174	MW175
SAMPLE DATE:		04/30/1991	05/07/1991	05/07/1991	05/10/1991	05/10/1991	05/07/1991
SAMPLE TIME:		10:50	15:15	16:45	13:40	14:00	09:20
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,2,4,5-TETRACHLOROBENZENE							
1,2,4-TRICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
1,2-DICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
1,2-DIPHENYLHYDRAZINE							
1,3,5-TRINITROBENZENE							
1,3-DICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
1,3-DINITROBENZENE							
1,4-DICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
1,4-DIOXANE							
1,4-NAPHTHOQUINONE							
1-NAPHTHLAMINE							
2,3,4,6-TETRACHLOROPHENOL							
2,4,5-TRICHLOROPHENOL	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
2,4,6-TRICHLOROPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2,4-DICHLOROPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2,4-DIMETHYLPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2,4-DINITROPHENOL	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
2,4-DINITROTOLUENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2,6-DICHLOROPHENOL							
2,6-DINITROTOLUENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-ACETYLAMINOFLUORENE							
2-CHLORONAPHTHALENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-CHLOROPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-METHYLNAPHTHALENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-METHYLPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-NAPHTHYLAMINE							
2-NITROANILINE	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
2-NITROPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-PICOLINE							
2-SEC-BUTYL-4,6-DINITROPHENOL							

Data Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:		10209	10210	10211	10212	10213	10214
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW170	MW171	MW172	MW173	MW174	MW175
SAMPLE DATE:		04/30/1991	05/07/1991	05/07/1991	05/10/1991	05/10/1991	05/07/1991
SAMPLE TIME:		10:50	15:15	16:45	13:40	14:00	09:20
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
3,3'-DICHLOROBENZIDINE	UG/L	20UY	20UY	20UY	20UY	20UY	20UY
3,3'-DIMETHYLBENZIDINE							
3-HEXENE-2-5,DIONE							
3-METHYLCHOLANTHRENE							
3-METHYLPHENOL							
3-NITROANILINE	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
4,6-DINITRO-2-METHYLPHENOL	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
4-AMINOBIPHENYL							
4-BROMOPHENYL PHENYL ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-CHLORO-3-METHYLPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-CHLOROANILINE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-CHLOROPHENYL PHENYL ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-METHYLPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-NITROANILINE	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
4-NITROPHENOL	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
4-NITROQUINOLINE-1-OXIDE							
5-NITRO-O-TOLUIDINE							
7,12-DIMETHYLBENZ(A)ANTHRACENE							
A,A-DIMETHYLPHENETHYLAMINE							
ACENAPHTHENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ACENAPHTHYLENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ACETOPHENONE							
ANILINE							
ANTHRACENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ARAMITE							
BENZO(A)ANTHRACENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(A)PYRENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(B)FLUORANTHENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(GHI)PERYLENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(K)FLUORANTHENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY

Data Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:		10209	10210	10211	10212	10213	10214
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW170	MW171	MW172	MW173	MW174	MW175
SAMPLE DATE:		04/30/1991	05/07/1991	05/07/1991	05/10/1991	05/10/1991	05/07/1991
SAMPLE TIME:		10:50	15:15	16:45	13:40	14:00	09:20
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
BENZOIC ACID	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
BENZYL ALCOHOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZYL BUTYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BIS(2-CHLOROETHOXY) METHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BIS(2-CHLOROETHYL)ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BIS(2-CHLOROISOPROPYL) ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	10UY	10UY	2DYJ	10UY	10UY	2DYJ
CHLOROBENZILATE							
CHRYSENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DI-N-BUTYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DI-N-OCTYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIALLATE							
DIBENZO(A,H)ANTHRACENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIBENZOFURAN	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIETHYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIMETHYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIPHENYLAMINE							
ETHYL METHACRYLATE							
ETHYL METHANESULFONATE							
FLUORANTHENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
FLUORENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROBUTADIENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROCYCLOPENTADIENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROPHENE							
HEXACHLOROPROPENE							
INDENO(1,2,3-CD)PYRENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ISOPHORONE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ISOSAFROLE							

)ata Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:		10209	10210	10211	10212	10213	10214
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW170	MW171	MW172	MW173	MW174	MW175
SAMPLE DATE:		04/30/1991	05/07/1991	05/07/1991	05/10/1991	05/10/1991	05/07/1991
SAMPLE TIME:		10:50	15:15	16:45	13:40	14:00	09:20
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
METHAPYRILENE							
METHYL METHACRYLATE							
METHYL METHANESULFONATE							
N-NITROSO-DI-N-BUTYLAMINE							
N-NITROSO-DI-N-PROPYLAMINE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
N-NITROSODIETHYLAMINE							
N-NITROSODIMETHYLAMINE							
N-NITROSODIPHENYLAMINE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
N-NITROSOMETHYLETHYLAMINE							
N-NITROSOMORPHOLINE							
N-NITROSOPIPERIDINE							
N-NITROSOPYRROLIDINE							
NAPHTHALENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
NITROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
O-TOLUIDINE							
P-DIMETHYLAMINOAZOBENZENE							
P-PHENYLENEDIAMINE							
PENTACHLOROBENZENE							
PENTACHLOROETHANE							
PENTACHLORONITROBENZENE							
PENTACHLOROPHENOL	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
PHENACETIN							
PHENANTHRENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
PHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
PRONAMIDE							
PYRENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
PYRIDINE							
SAFROLE							

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10216	10217	10218	10219	10220	10221
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	DUP
STATION ID:		MW177	MW178	MW179	MW180	MW181	MW181
SAMPLE DATE:		05/06/1991	05/01/1991	05/01/1991	05/08/1991	05/03/1991	05/03/1991
SAMPLE TIME:		13:45	16:15	15:25	14:50	10:25	08:35
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,2,4,5-TETRACHLOROBENZENE							
1,2,4-TRICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
1,2-DICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
1,2-DIPHENYLHYDRAZINE							
1,3,5-TRINITROBENZENE							
1,3-DICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
1,3-DINITROBENZENE							
1,4-DICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
1,4-DIOXANE							
1,4-NAPHTHOQUINONE							
1-NAPHTHLAMINE							
2,3,4,6-TETRACHLOROPHENOL							
2,4,5-TRICHLOROPHENOL	UG/L	50UY	50UYR	50UY	50UY	50UY	50UY
2,4,6-TRICHLOROPHENOL	UG/L	10UY	10UYR	10UY	10UY	10UY	10UY
2,4-DICHLOROPHENOL	UG/L	10UY	10UYR	10UY	10UY	10UY	10UY
2,4-DIMETHYLPHENOL	UG/L	10UY	10UYR	10UY	10UY	10UY	10UY
2,4-DINITROPHENOL	UG/L	50UY	50UYR	50UY	50UY	50UY	50UY
2,4-DINITROTOLUENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2,6-DICHLOROPHENOL							
2,6-DINITROTOLUENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-ACETYLAMINOFLUORENE							
2-CHLORONAPHTHALENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-CHLOROPHENOL	UG/L	10UY	10UYR	10UY	10UY	10UY	10UY
2-METHYLNAPHTHALENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-METHYLPHENOL	UG/L	10UY	10UYR	10UY	10UY	10UY	10UY
2-NAPHTHYLAMINE							
2-NITROANILINE	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
2-NITROPHENOL	UG/L	10UY	10UYR	10UY	10UY	10UY	10UY
2-PICOLINE							
2-SEC-BUTYL-4,6-DINITROPHENOL							

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10216	10217	10218	10219	10220	10221
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	DUP
STATION ID:		MW177	MW178	MW179	MW180	MW181	MW181
SAMPLE DATE:		05/06/1991	05/01/1991	05/01/1991	05/08/1991	05/03/1991	05/03/1991
SAMPLE TIME:		13:45	16:15	15:25	14:50	10:25	08:35
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
3,3'-DICHLOROBENZIDINE	UG/L	20UY	20UY	20UY	20UY	20UY	20UY
3,3'-DIMETHYLBENZIDINE							
3-HEXENE-2-5,DIONE							
3-METHYLCHOLANTHRENE							
3-METHYLPHENOL							
3-NITROANILINE	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
4,6-DINITRO-2-METHYLPHENOL	UG/L	50UY	50UYR	50UY	50UY	50UY	50UY
4-AMINOBIPHENYL							
4-BROMOPHENYL PHENYL ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-CHLORO-3-METHYLPHENOL	UG/L	10UY	10UYR	10UY	10UY	10UY	10UY
4-CHLOROANILINE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-CHLOROPHENYL PHENYL ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-METHYLPHENOL	UG/L	10UY	10UYR	10UY	8DYJ	10UY	10UY
4-NITROANILINE	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
4-NITROPHENOL	UG/L	50UY	50UYR	50UY	50UY	50UY	50UY
4-NITROQUINOLINE-1-OXIDE							
5-NITRO-O-TOLUIDINE							
7,12-DIMETHYLBENZ(A)ANTHRACENE							
A,A-DIMETHYLPHENETHYLAMINE							
ACENAPHTHENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ACENAPHTHYLENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ACETOPHENONE							
ANILINE							
ANTHRACENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ARAMITE							
BENZO(A)ANTHRACENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(A)PYRENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(B)FLUORANTHENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(GHI)PERYLENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(K)FLUORANTHENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10216	10217	10218	10219	10220	10221
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	DUP
STATION ID:		MW177	MW178	MW179	MW180	MW181	MW181
SAMPLE DATE:		05/06/1991	05/01/1991	05/01/1991	05/08/1991	05/03/1991	05/03/1991
SAMPLE TIME:		13:45	16:15	15:25	14:50	10:25	08:35
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
BENZOIC ACID	UG/L	50UY	50UYR	50UY	200DYJE	50UY	50UY
BENZYL ALCOHOL	UG/L	10UY	10UYR	10UY	10UY	10UY	10UY
BENZYL BUTYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BIS(2-CHLOROETHOXY) METHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BIS(2-CHLOROETHYL)ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BIS(2-CHLOROISOPROPYL) ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	5DYJ	22DY	2DYJ	7DYJ	10UYJB	10UYJB
CHLOROBENZILATE							
CHRYSENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DI-N-BUTYL PHTHALATE	UG/L	10UY	2DYJ	2DYJ	10UY	10UY	10UY
DI-N-OCTYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIALLATE							
DIBENZO(A,H)ANTHRACENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIBENZOFURAN	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIETHYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIMETHYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIPHENYLAMINE							
ETHYL METHACRYLATE							
ETHYL METHANESULFONATE							
FLUORANTHENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
FLUORENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROBUTADIENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROCYCLOPENTADIENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROPHENE							
HEXACHLOROPROPENE							
INDENO(1,2,3-CD)PYRENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ISOPHORONE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ISOSAFROLE							

Data Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:		10216	10217	10218	10219	10220	10221
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	DUP
STATION ID:		MW177	MW178	MW179	MW180	MW181	MW181
SAMPLE DATE:		05/06/1991	05/01/1991	05/01/1991	05/08/1991	05/03/1991	05/03/1991
SAMPLE TIME:		13:45	16:15	15:25	14:50	10:25	08:35
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
METHAPYRILENE							
METHYL METHACRYLATE							
METHYL METHANESULFONATE							
N-NITROSO-DI-N-BUTYLAMINE							
N-NITROSO-DI-N-PROPYLAMINE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
N-NITROSODIETHYLAMINE							
N-NITROSODIMETHYLAMINE							
N-NITROSODIPHENYLAMINE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
N-NITROSOMETHYLETHYLAMINE							
N-NITROSOMORPHOLINE							
N-NITROSOPIPERIDINE							
N-NITROSOPYRROLIDINE							
NAPHTHALENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
NITROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
O-TOLUIDINE							
P-DIMETHYLAMINOAZOBENZENE							
P-PHENYLENEDIAMINE							
PENTACHLOROBENZENE							
PENTACHLOROETHANE							
PENTACHLORONITROBENZENE							
PENTACHLOROPHENOL	UG/L	50UY	50UYR	50UY	50UY	50UY	50UY
PHENACETIN							
PHENANTHRENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
PHENOL	UG/L	10UY	10UYR	10UY	22DY	10UY	10UY
PRONAMIDE							
PYRENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
PYRIDINE							
SAFROLE							

ata Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10222	10223	10224	10225	10226	10227
SUB-SAMPLE ID:		00000	00000	DUP	00000	00000	00000
STATION ID:		MW182	MW184	MW184	MW185	MW186	MW187
SAMPLE DATE:		05/03/1991	05/03/1991	05/03/1991	05/13/1991	05/13/1991	05/13/1991
SAMPLE TIME:		08:35	10:45	10:45	15:30	16:15	14:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,2,4,5-TETRACHLOROBENZENE							
1,2,4-TRICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
1,2-DICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
1,2-DIPHENYLHYDRAZINE							
1,3,5-TRINITROBENZENE							
1,3-DICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
1,3-DINITROBENZENE							
1,4-DICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
1,4-DIOXANE							
1,4-NAPHTHOQUINONE							
1-NAPHTHLAMINE							
2,3,4,6-TETRACHLOROPHENOL							
2,4,5-TRICHLOROPHENOL	UG/L	50UY	50UY	50UY	50UYR	50UY	60UY
2,4,6-TRICHLOROPHENOL	UG/L	10UY	10UY	10UY	10UYR	10UY	12UY
2,4-DICHLOROPHENOL	UG/L	10UY	10UY	10UY	10UYR	10UY	12UY
2,4-DIMETHYLPHENOL	UG/L	10UY	10UY	10UY	10UYR	10UY	12UY
2,4-DINITROPHENOL	UG/L	50UY	50UY	50UY	50UYR	50UY	60UY
2,4-DINITROTOLUENE	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
2,6-DICHLOROPHENOL							
2,6-DINITROTOLUENE	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
2-ACETYLAMINOFLUORENE							
2-CHLORONAPHTHALENE	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
2-CHLOROPHENOL	UG/L	10UY	10UY	10UY	10UYR	10UY	12UY
2-METHYLNAPHTHALENE	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
2-METHYLPHENOL	UG/L	10UY	10UY	10UY	10UYR	10UY	12UY
2-NAPHTHYLAMINE							
2-NITROANILINE	UG/L	50UY	50UY	50UY	50UY	50UY	60UY
2-NITROPHENOL	UG/L	10UY	10UY	10UY	10UYR	10UY	12UY
2-PICOLINE							
2-SEC-BUTYL-4,6-DINITROPHENOL							

ata Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:		10222	10223	10224	10225	10226	10227
SUB-SAMPLE ID:		00000	00000	DUP	00000	00000	00000
STATION ID:		MW182	MW184	MW184	MW185	MW186	MW187
SAMPLE DATE:		05/03/1991	05/03/1991	05/03/1991	05/13/1991	05/13/1991	05/13/1991
SAMPLE TIME:		08:35	10:45	10:45	15:30	16:15	14:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
3,3'-DICHLOROBENZIDINE	UG/L	20UY	20UY	20UY	20UY	20UY	24UY
3,3'-DIMETHYLBENZIDINE							
3-HEXENE-2-5,DIONE							
3-METHYLCHOLANTHRENE							
3-METHYLPHENOL							
3-NITROANILINE	UG/L	50UY	50UY	50UY	50UY	50UY	60UY
4,6-DINITRO-2-METHYLPHENOL	UG/L	50UY	50UY	50UY	50UYR	50UY	60UY
4-AMINOBIPHENYL							
4-BROMOPHENYL PHENYL ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
4-CHLORO-3-METHYLPHENOL	UG/L	10UY	10UY	10UY	10UYR	10UY	12UY
4-CHLOROANILINE	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
4-CHLOROPHENYL PHENYL ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
4-METHYLPHENOL	UG/L	10UY	10UY	10UY	10UYR	10UY	12UY
4-NITROANILINE	UG/L	50UY	50UY	50UY	50UY	50UY	60UY
4-NITROPHENOL	UG/L	50UY	50UY	50UY	50UYR	50UY	60UY
4-NITROQUINOLINE-1-OXIDE							
5-NITRO-O-TOLUIDINE							
7,12-DIMETHYLBENZ(A)ANTHRACENE							
A,A-DIMETHYLPHENETHYLAMINE							
ACENAPHTHENE	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
ACENAPHTHYLENE	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
ACETOPHENONE							
ANILINE							
ANTHRACENE	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
ARAMITE							
BENZO(A)ANTHRACENE	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
BENZO(A)PYRENE	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
BENZO(B)FLUORANTHENE	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
BENZO(GHI)PERYLENE	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
BENZO(K)FLUORANTHENE	UG/L	10UY	10UY	10UY	10UY	10UY	12UY

ata Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10222	10223	10224	10225	10226	10227
SUB-SAMPLE ID:		00000	00000	DUP	00000	00000	00000
STATION ID:		MW182	MW184	MW184	MW185	MW186	MW187
SAMPLE DATE:		05/03/1991	05/03/1991	05/03/1991	05/13/1991	05/13/1991	05/13/1991
SAMPLE TIME:		08:35	10:45	10:45	15:30	16:15	14:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
BENZOIC ACID	UG/L	50UY	50UY	50UY	50UYR	50UYR	60UY
BENZYL ALCOHOL	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
BENZYL BUTYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
BIS(2-CHLOROETHOXY) METHANE	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
BIS(2-CHLOROETHYL)ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
BIS(2-CHLOROISOPROPYL) ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	10UY	10UY	10UY	2DYJ	9DYJ	12UY
CHLOROBENZILATE							
CHRYSENE	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
DI-N-BUTYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	2DYJ	12UY
DI-N-OCTYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
DIALLATE							
DIBENZO(A,H)ANTHRACENE	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
DIBENZOFURAN	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
DIETHYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	1DYJ	6DYJ
DIMETHYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
DIPHENYLAMINE							
ETHYL METHACRYLATE							
ETHYL METHANESULFONATE							
FLUORANTHENE	UG/L	10UY	1DYJ	1DYJ	10UY	10UY	12UY
FLUORENE	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
HEXACHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
HEXACHLOROBUTADIENE	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
HEXACHLOROCYCLOPENTADIENE	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
HEXACHLOROETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
HEXACHLOROPHENE							
HEXACHLOROPROPENE							
INDENO(1,2,3-CD)PYRENE	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
ISOPHORONE	UG/L	10UY	10UY	10UY	10UY	10DY	12UY
ISOSAFROLE							

ata Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:		10222	10223	10224	10225	10226	10227
SUB-SAMPLE ID:		00000	00000	DUP	00000	00000	00000
STATION ID:		MW182	MW184	MW184	MW185	MW186	MW187
SAMPLE DATE:		05/03/1991	05/03/1991	05/03/1991	05/13/1991	05/13/1991	05/13/1991
SAMPLE TIME:		08:35	10:45	10:45	15:30	16:15	14:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
METHAPYRILENE							
METHYL METHACRYLATE							
METHYL METHANESULFONATE							
N-NITROSO-DI-N-BUTYLAMINE							
N-NITROSO-DI-N-PROPYLAMINE	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
N-NITROSODIETHYLAMINE							
N-NITROSODIMETHYLAMINE							
N-NITROSODIPHENYLAMINE	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
N-NITROSOMETHYLETHYLAMINE							
N-NITROSOMORPHOLINE							
N-NITROSOPIPERIDINE							
N-NITROSOPYRROLIDINE							
NAPHTHALENE	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
NITROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
O-TOLUIDINE							
P-DIMETHYLAMINOAZOBENZENE							
P-PHENYLENEDIAMINE							
PENTACHLOROBENZENE							
PENTACHLOROETHANE							
PENTACHLORONITROBENZENE							
PENTACHLOROPHENOL	UG/L	50UY	50UY	50UY	50UYR	50UY	60UY
PHENACETIN							
PHENANTHRENE	UG/L	10UY	1DYJ	1DYJ	10UY	10UY	12UY
PHENOL	UG/L	10UY	10UY	10UY	10UYR	10UY	12UY
PRONAMIDE							
PYRENE	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
PYRIDINE							
SAFROLE							

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10228	10229	10230	10231	10232	10233
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW188	MW189	MW190	MW191	MW192	MW193
SAMPLE DATE:		05/11/1991	05/11/1991	05/13/1991	05/06/1991	05/06/1991	05/08/1991
SAMPLE TIME:		13:45	11:15	15:00	15:00	16:25	14:10
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,2,4,5-TETRACHLOROBENZENE							
1,2,4-TRICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
1,2-DICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
1,2-DIPHENYLHYDRAZINE							
1,3,5-TRINITROBENZENE							
1,3-DICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
1,3-DINITROBENZENE							
1,4-DICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
1,4-DIOXANE							
1,4-NAPHTHOQUINONE							
1-NAPHTHLAMINE							
2,3,4,6-TETRACHLOROPHENOL							
2,4,5-TRICHLOROPHENOL	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
2,4,6-TRICHLOROPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2,4-DICHLOROPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2,4-DIMETHYLPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2,4-DINITROPHENOL	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
2,4-DINITROTOLUENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2,6-DICHLOROPHENOL							
2,6-DINITROTOLUENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-ACETYLAMINOFLUORENE							
2-CHLORONAPHTHALENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-CHLOROPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-METHYLNAPHTHALENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-METHYLPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-NAPHTHYLAMINE							
2-NITROANILINE	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
2-NITROPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-PICOLINE							
2-SEC-BUTYL-4,6-DINITROPHENOL							

Data Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:		10228	10229	10230	10231	10232	10233
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW188	MW189	MW190	MW191	MW192	MW193
SAMPLE DATE:		05/11/1991	05/11/1991	05/13/1991	05/06/1991	05/06/1991	05/08/1991
SAMPLE TIME:		13:45	11:15	15:00	15:00	16:25	14:10
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
3,3'-DICHLOROBENZIDINE	UG/L	20UY	20UY	20UY	20UY	20UY	20UY
3,3'-DIMETHYLBENZIDINE							
3-HEXENE-2-5,DIONE							
3-METHYLCHOLANTHRENE							
3-METHYLPHENOL							
3-NITROANILINE	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
4,6-DINITRO-2-METHYLPHENOL	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
4-AMINOBIPHENYL							
4-BROMOPHENYL PHENYL ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-CHLORO-3-METHYLPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-CHLOROANILINE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-CHLOROPHENYL PHENYL ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-METHYLPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-NITROANILINE	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
4-NITROPHENOL	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
4-NITROQUINOLINE-1-OXIDE							
5-NITRO-O-TOLUIDINE							
7,12-DIMETHYLBENZ(A)ANTHRACENE							
A,A-DIMETHYLPHENETHYLAMINE							
ACENAPHTHENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ACENAPHTHYLENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ACETOPHENONE							
ANILINE							
ANTHRACENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ARAMITE							
BENZO(A)ANTHRACENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(A)PYRENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(B)FLUORANTHENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(GHI)PERYLENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(K)FLUORANTHENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10228	10229	10230	10231	10232	10233
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW188	MW189	MW190	MW191	MW192	MW193
SAMPLE DATE:		05/11/1991	05/11/1991	05/13/1991	05/06/1991	05/06/1991	05/08/1991
SAMPLE TIME:		13:45	11:15	15:00	15:00	16:25	14:10
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
BENZOIC ACID	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
BENZYL ALCOHOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZYL BUTYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BIS(2-CHLOROETHOXY) METHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BIS(2-CHLOROETHYL)ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BIS(2-CHLOROISOPROPYL) ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	2DYJ	5DYJ	10UY	10UY	10UYJB	3DYJ
CHLOROBENZILATE							
CHRYSENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DI-N-BUTYL PHTHALATE	UG/L	10UY	10UY	10UY	2DYJ	10UY	10UY
DI-N-OCTYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIALLATE							
DIBENZO(A,H)ANTHRACENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIBENZOFURAN	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIETHYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIMETHYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIPHENYLAMINE							
ETHYL METHACRYLATE							
ETHYL METHANESULFONATE							
FLUORANTHENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
FLUORENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROBUTADIENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROCYCLOPENTADIENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROPHENE							
HEXACHLOROPROPENE							
INDENO(1,2,3-CD)PYRENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ISOPHORONE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ISOSAFROLE							

)ata Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:		10228	10229	10230	10231	10232	10233
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW188	MW189	MW190	MW191	MW192	MW193
SAMPLE DATE:		05/11/1991	05/11/1991	05/13/1991	05/06/1991	05/06/1991	05/08/1991
SAMPLE TIME:		13:45	11:15	15:00	15:00	16:25	14:10
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
METHAPYRILENE							
METHYL METHACRYLATE							
METHYL METHANESULFONATE							
N-NITROSO-DI-N-BUTYLAMINE							
N-NITROSO-DI-N-PROPYLAMINE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
N-NITROSODIETHYLAMINE							
N-NITROSODIMETHYLAMINE							
N-NITROSODIPHENYLAMINE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
N-NITROSOMETHYLETHYLAMINE							
N-NITROSOMORPHOLINE							
N-NITROSOPIPERIDINE							
N-NITROSOPYRROLIDINE							
NAPHTHALENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
NITROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
O-TOLUIDINE							
P-DIMETHYLAMINOAZOBENZENE							
P-PHENYLENEDIAMINE							
PENTACHLOROBENZENE							
PENTACHLOROETHANE							
PENTACHLORONITROBENZENE							
PENTACHLOROPHENOL	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
PHENACETIN							
PHENANTHRENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
PHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
PRONAMIDE							
PYRENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
PYRIDINE							
SAFROLE							

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10234	10235	10236	10237	10238	10239
SUB-SAMPLE ID:		00000	DUP	00000	00000	00000	00000
STATION ID:		MW194	MW194	MW195	MW196	MW197	MW198
SAMPLE DATE:		05/01/1991	05/01/1991	05/07/1991	05/09/1991	05/03/1991	05/07/1991
SAMPLE TIME:		14:45	14:45	13:50	16:15	15:00	09:30
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,2,4,5-TETRACHLOROBENZENE							
1,2,4-TRICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
1,2-DICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
1,2-DIPHENYLHYDRAZINE							
1,3,5-TRINITROBENZENE							
1,3-DICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
1,3-DINITROBENZENE							
1,4-DICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
1,4-DIOXANE							
1,4-NAPHTHOQUINONE							
1-NAPHTHLAMINE							
2,3,4,6-TETRACHLOROPHENOL							
2,4,5-TRICHLOROPHENOL	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
2,4,6-TRICHLOROPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2,4-DICHLOROPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2,4-DIMETHYLPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2,4-DINITROPHENOL	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
2,4-DINITROTOLUENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2,6-DICHLOROPHENOL							
2,6-DINITROTOLUENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-ACETYLAMINOFLUORENE							
2-CHLORONAPHTHALENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-CHLOROPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-METHYLNAPHTHALENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-METHYLPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-NAPHTHYLAMINE							
2-NITROANILINE	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
2-NITROPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-PICOLINE							
2-SEC-BUTYL-4,6-DINITROPHENOL							

Data Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:		10234	10235	10236	10237	10238	10239
SUB-SAMPLE ID:		00000	DUP	00000	00000	00000	00000
STATION ID:		MW194	MW194	MW195	MW196	MW197	MW198
SAMPLE DATE:		05/01/1991	05/01/1991	05/07/1991	05/09/1991	05/03/1991	05/07/1991
SAMPLE TIME:		14:45	14:45	13:50	16:15	15:00	09:30
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
3,3'-DICHLOROBENZIDINE	UG/L	20UY	20UY	20UY	20UY	20UY	20UY
3,3'-DIMETHYLBENZIDINE							
3-HEXENE-2-5,DIONE							
3-METHYLCHOLANTHRENE							
3-METHYLPHENOL							
3-NITROANILINE	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
4,6-DINITRO-2-METHYLPHENOL	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
4-AMINOBIPHENYL							
4-BROMOPHENYL PHENYL ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-CHLORO-3-METHYLPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-CHLOROANILINE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-CHLOROPHENYL PHENYL ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-METHYLPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-NITROANILINE	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
4-NITROPHENOL	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
4-NITROQUINOLINE-1-OXIDE							
5-NITRO-O-TOLUIDINE							
7,12-DIMETHYLBENZ(A)ANTHRACENE							
A,A-DIMETHYLPHENETHYLAMINE							
ACENAPHTHENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ACENAPHTHYLENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ACETOPHENONE							
ANILINE							
ANTHRACENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ARAMITE							
BENZO(A)ANTHRACENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(A)PYRENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(B)FLUORANTHENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(GHI)PERYLENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(K)FLUORANTHENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY

ata Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10234	10235	10236	10237	10238	10239
SUB-SAMPLE ID:		00000	DUP	00000	00000	00000	00000
STATION ID:		MW194	MW194	MW195	MW196	MW197	MW198
SAMPLE DATE:		05/01/1991	05/01/1991	05/07/1991	05/09/1991	05/03/1991	05/07/1991
SAMPLE TIME:		14:45	14:45	13:50	16:15	15:00	09:30
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
BENZOIC ACID	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
BENZYL ALCOHOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZYL BUTYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BIS(2-CHLOROETHOXY) METHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BIS(2-CHLOROETHYL)ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BIS(2-CHLOROISOPROPYL) ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	9DYJ	9DYJ	1DYJ	10UY	8DYJ	10UY
CHLOROBENZILATE							
CHRYSENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DI-N-BUTYL PHTHALATE	UG/L	1DYJ	2DYJ	10UY	10UY	10UY	10UY
DI-N-OCTYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIALLATE							
DIBENZO(A,H)ANTHRACENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIBENZOFURAN	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIETHYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIMETHYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIPHENYLAMINE							
ETHYL METHACRYLATE							
ETHYL METHANESULFONATE							
FLUORANTHENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
FLUORENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROBUTADIENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROCYCLOPENTADIENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROPHENE							
HEXACHLOROPROPENE							
INDENO(1,2,3-CD)PYRENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ISOPHORONE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ISOSAFROLE							

ata Format: value + detected flag + validated flag + qualifiers

DMS CHEMICAL OBSERVATIONS MATRIX
ROUNDWATER
ADUCAH PHASE II
AMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10234	10235	10236	10237	10238	10239
SUB-SAMPLE ID:		00000	DUP	00000	00000	00000	00000
STATION ID:		MW194	MW194	MW195	MW196	MW197	MW198
SAMPLE DATE:		05/01/1991	05/01/1991	05/07/1991	05/09/1991	05/03/1991	05/07/1991
SAMPLE TIME:		14:45	14:45	13:50	16:15	15:00	09:30
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
METHAPYRILENE							
METHYL METHACRYLATE							
METHYL METHANESULFONATE							
N-NITROSO-DI-N-BUTYLAMINE							
N-NITROSO-DI-N-PROPYLAMINE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
N-NITROSODIETHYLAMINE							
N-NITROSODIMETHYLAMINE							
N-NITROSODIPHENYLAMINE	UG/L	2DYJ	10UY	10UY	10UY	10UY	10UY
N-NITROSOMETHYLETHYLAMINE							
N-NITROSOMORPHOLINE							
N-NITROSOPIPERIDINE							
N-NITROSOPYRROLIDINE							
NAPHTHALENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
NITROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
O-TOLUIDINE							
P-DIMETHYLAMINOAZOBENZENE							
P-PHENYLENEDIAMINE							
PENTACHLOROBENZENE							
PENTACHLOROETHANE							
PENTACHLORONITROBENZENE							
PENTACHLOROPHENOL	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
PHENACETIN							
PHENANTHRENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
PHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
PRONAMIDE							
PYRENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
PYRIDINE	UG/L				1.5DYCJ		
SAFROLE							

)ata Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10240	10241	10242	10243	10244	10245
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW199	MW200	MW201	MW202	MW203	MW204
SAMPLE DATE:		05/14/1991	04/30/1991	05/07/1991	05/02/1991	05/09/1991	05/09/1991
SAMPLE TIME:		14:30	15:05	11:30	16:15	15:45	15:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,2,4,5-TETRACHLOROBENZENE							
1,2,4-TRICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
1,2-DICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
1,2-DIPHENYLHYDRAZINE							
1,3,5-TRINITROBENZENE							
1,3-DICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
1,3-DINITROBENZENE							
1,4-DICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
1,4-DIOXANE							
1,4-NAPHTHOQUINONE							
1-NAPHTHLAMINE							
2,3,4,6-TETRACHLOROPHENOL							
2,4,5-TRICHLOROPHENOL	UG/L	50UY	50UY	50UYR	50UYR	50UY	50UY
2,4,6-TRICHLOROPHENOL	UG/L	10UY	10UY	10UYR	10UYR	10UY	10UY
2,4-DICHLOROPHENOL	UG/L	10UY	10UY	10UYR	10UYR	10UY	10UY
2,4-DIMETHYLPHENOL	UG/L	10UY	10UY	10UYR	10UYR	10UY	10UY
2,4-DINITROPHENOL	UG/L	50UY	50UY	50UYR	50UYR	50UY	50UY
2,4-DINITROTOLUENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2,6-DICHLOROPHENOL							
2,6-DINITROTOLUENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-ACETYLAMINOFLUORENE							
2-CHLORONAPHTHALENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-CHLOROPHENOL	UG/L	10UY	10UY	10UYR	10UYR	10UY	10UY
2-METHYLNAPHTHALENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-METHYLPHENOL	UG/L	10UY	10UY	10UYR	10UYR	10UY	10UY
2-NAPHTHYLAMINE							
2-NITROANILINE	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
2-NITROPHENOL	UG/L	10UY	10UY	10UYR	10UYR	10UY	10UY
2-PICOLINE							
2-SEC-BUTYL-4,6-DINITROPHENOL							

ata Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:		10240	10241	10242	10243	10244	10245
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW199	MW200	MW201	MW202	MW203	MW204
SAMPLE DATE:		05/14/1991	04/30/1991	05/07/1991	05/02/1991	05/09/1991	05/09/1991
SAMPLE TIME:		14:30	15:05	11:30	16:15	15:45	15:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
3,3'-DICHLOROBENZIDINE	UG/L	20UY	20UY	20UY	20UY	20UY	20UY
3,3'-DIMETHYLBENZIDINE							
3-HEXENE-2-5,DIONE							
3-METHYLCHOLANTHRENE							
3-METHYLPHENOL							
3-NITROANILINE	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
4,6-DINITRO-2-METHYLPHENOL	UG/L	50UY	50UY	50UYR	50UYR	50UY	50UY
4-AMINOBIPHENYL							
4-BROMOPHENYL PHENYL ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-CHLORO-3-METHYLPHENOL	UG/L	10UY	10UY	10UYR	10UYR	10UY	10UY
4-CHLOROANILINE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-CHLOROPHENYL PHENYL ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-METHYLPHENOL	UG/L	10UY	10UY	10UYR	10UYR	10UY	10UY
4-NITROANILINE	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
4-NITROPHENOL	UG/L	50UY	50UY	50UYR	50UYR	50UY	50UY
4-NITROQUINOLINE-1-OXIDE							
5-NITRO-O-TOLUIDINE							
7,12-DIMETHYLBENZ(A)ANTHRACENE							
A,A-DIMETHYLPHENETHYLAMINE							
ACENAPHTHENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ACENAPHTHYLENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ACETOPHENONE							
ANILINE							
ANTHRACENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ARAMITE							
BENZO(A)ANTHRACENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(A)PYRENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(B)FLUORANTHENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(GHI)PERYLENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(K)FLUORANTHENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10240	10241	10242	10243	10244	10245
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW199	MW200	MW201	MW202	MW203	MW204
SAMPLE DATE:		05/14/1991	04/30/1991	05/07/1991	05/02/1991	05/09/1991	05/09/1991
SAMPLE TIME:		14:30	15:05	11:30	16:15	15:45	15:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
BENZOIC ACID	UG/L	50UY	50UY	50UYR	50UYR	50UY	50UY
BENZYL ALCOHOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZYL BUTYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BIS(2-CHLOROETHOXY) METHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BIS(2-CHLOROETHYL)ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BIS(2-CHLOROISOPROPYL) ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	6DYJ	2DYJ	10UY	1DYJ	10UY	10UY
CHLOROBENZILATE							
CHRYSENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DI-N-BUTYL PHTHALATE	UG/L	10UY	10UY	10UYJB	1DYJ	10UY	10UY
DI-N-OCTYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIALLATE							
DIBENZO(A,H)ANTHRACENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIBENZOFURAN	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIETHYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIMETHYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIPHENYLAMINE							
ETHYL METHACRYLATE							
ETHYL METHANESULFONATE							
FLUORANTHENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
FLUORENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROBUTADIENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROCYCLOPENTADIENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROPHENE							
HEXACHLOROPROPENE							
INDENO(1,2,3-CD)PYRENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ISOPHORONE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ISOSAFROLE							

)ata Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10240	10241	10242	10243	10244	10245
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW199	MW200	MW201	MW202	MW203	MW204
SAMPLE DATE:		05/14/1991	04/30/1991	05/07/1991	05/02/1991	05/09/1991	05/09/1991
SAMPLE TIME:		14:30	15:05	11:30	16:15	15:45	15:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
METHAPYRILENE							
METHYL METHACRYLATE							
METHYL METHANESULFONATE							
N-NITROSO-DI-N-BUTYLAMINE							
N-NITROSO-DI-N-PROPYLAMINE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
N-NITROSODIETHYLAMINE							
N-NITROSODIMETHYLAMINE							
N-NITROSODIPHENYLAMINE	UG/L	10UY	2DYJ	10UY	10UY	10UY	10UY
N-NITROSOMETHYLETHYLAMINE							
N-NITROSOMORPHOLINE							
N-NITROSOPIPERIDINE							
N-NITROSOPYRROLIDINE							
NAPHTHALENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
NITROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
O-TOLUIDINE							
P-DIMETHYLAMINOAZOBENZENE							
P-PHENYLENEDIAMINE							
PENTACHLOROBENZENE							
PENTACHLOROETHANE							
PENTACHLORONITROBENZENE							
PENTACHLOROPHENOL	UG/L	50UY	50UY	50UYR	50UYR	50UY	50UY
PHENACETIN							
PHENANTHRENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
PHENOL	UG/L	10UY	10UY	10UYR	10UYR	10UY	10UY
PRONAMIDE							
PYRENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
PYRIDINE							
SAFROLE							

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10246	10247	10248	10249	10250	10251
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW205	MW206	MW205	MW206	MW199	MW164
SAMPLE DATE:		05/13/1991	05/15/1991	05/21/1991	05/22/1991	05/21/1991	05/30/1991
SAMPLE TIME:		10:20	14:30	14:30	09:45	11:15	08:30
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,2,4,5-TETRACHLOROBENZENE							
1,2,4-TRICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
1,2-DICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
1,2-DIPHENYLHYDRAZINE							
1,3,5-TRINITROBENZENE							
1,3-DICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
1,3-DINITROBENZENE							
1,4-DICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
1,4-DIOXANE							
1,4-NAPHTHOQUINONE							
1-NAPHTHLAMINE							
2,3,4,6-TETRACHLOROPHENOL							
2,4,5-TRICHLOROPHENOL	UG/L	50UY	50UY	50UY	50UY	50UY	60UY
2,4,6-TRICHLOROPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
2,4-DICHLOROPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
2,4-DIMETHYLPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
2,4-DINITROPHENOL	UG/L	50UY	50UY	50UY	50UY	50UY	60UY
2,4-DINITROTOLUENE	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
2,6-DICHLOROPHENOL							
2,6-DINITROTOLUENE	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
2-ACETYLAMINOFLUORENE							
2-CHLORONAPHTHALENE	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
2-CHLOROPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
2-METHYLNAPHTHALENE	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
2-METHYLPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
2-NAPHTHYLAMINE							
2-NITROANILINE	UG/L	50UY	50UY	50UY	50UY	50UY	60UY
2-NITROPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
2-PICOLINE							
2-SEC-BUTYL-4,6-DINITROPHENOL							

)ata Format: value + detected flag + validated flag + qualifiers

DMS CHEMICAL OBSERVATIONS MATRIX
ROUNDWATER
ADUCAH PHASE II
AMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10246	10247	10248	10249	10250	10251
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW205	MW206	MW205	MW206	MW199	MW164
SAMPLE DATE:		05/13/1991	05/15/1991	05/21/1991	05/22/1991	05/21/1991	05/30/1991
SAMPLE TIME:		10:20	14:30	14:30	09:45	11:15	08:30
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
3,3'-DICHLOROBENZIDINE	UG/L	20UY	20UY	20UY	20UY	20UY	24UY
3,3'-DIMETHYLBENZIDINE							
3-HEXENE-2-5,DIONE							
3-METHYLCHOLANTHRENE							
3-METHYLPHENOL							
3-NITROANILINE	UG/L	50UY	50UY	50UY	50UY	50UY	60UY
4,6-DINITRO-2-METHYLPHENOL	UG/L	50UY	50UY	50UY	50UY	50UY	60UY
4-AMINOBIPHENYL							
4-BROMOPHENYL PHENYL ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
4-CHLORO-3-METHYLPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
4-CHLOROANILINE	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
4-CHLOROPHENYL PHENYL ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
4-METHYLPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
4-NITROANILINE	UG/L	50UY	50UY	50UY	50UY	50UY	60UY
4-NITROPHENOL	UG/L	50UY	50UY	50UY	50UY	50UY	60UY
4-NITROQUINOLINE-1-OXIDE							
5-NITRO-O-TOLUIDINE							
7,12-DIMETHYLBENZ(A)ANTHRACENE							
A,A-DIMETHYLPHENETHYLAMINE							
ACENAPHTHENE	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
ACENAPHTHYLENE	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
ACETOPHENONE							
ANILINE							
ANTHRACENE	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
ARAMITE							
BENZO(A)ANTHRACENE	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
BENZO(A)PYRENE	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
BENZO(B)FLUORANTHENE	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
BENZO(GHI)PERYLENE	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
BENZO(K)FLUORANTHENE	UG/L	10UY	10UY	10UY	10UY	10UY	12UY

)ata Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10246	10247	10248	10249	10250	10251
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW205	MW206	MW205	MW206	MW199	MW164
SAMPLE DATE:		05/13/1991	05/15/1991	05/21/1991	05/22/1991	05/21/1991	05/30/1991
SAMPLE TIME:		10:20	14:30	14:30	09:45	11:15	08:30
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
BENZOIC ACID	UG/L	50UY	50UY	50UY	50UY	50UY	60UY
BENZYL ALCOHOL	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
BENZYL BUTYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
BIS(2-CHLOROETHOXY) METHANE	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
BIS(2-CHLOROETHYL)ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
BIS(2-CHLOROISOPROPYL) ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	2DYJ	10UY	10UY	10UY	6DYJ	32DY
CHLOROBENZILATE							
CHRYSENE	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
DI-N-BUTYL PHTHALATE	UG/L	10UY	10UY	10UY	1DYJ	1DYJ	4DYJ
DI-N-OCTYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
DIALLATE							
DIBENZO(A,H)ANTHRACENE	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
DIBENZOFURAN	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
DIETHYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	3DYJ
DIMETHYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
DIPHENYLAMINE							
ETHYL METHACRYLATE							
ETHYL METHANESULFONATE							
FLUORANTHENE	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
FLUORENE	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
HEXACHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
HEXACHLOROBUTADIENE	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
HEXACHLOROCYCLOPENTADIENE	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
HEXACHLOROETHANE	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
HEXACHLOROPHENE							
HEXACHLOROPROPENE							
INDENO(1,2,3-CD)PYRENE	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
ISOPHORONE	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
ISOSAFROLE							

)ata Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:		10246	10247	10248	10249	10250	10251
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW205	MW206	MW205	MW206	MW199	MW164
SAMPLE DATE:		05/13/1991	05/15/1991	05/21/1991	05/22/1991	05/21/1991	05/30/1991
SAMPLE TIME:		10:20	14:30	14:30	09:45	11:15	08:30
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
METHAPYRILENE							
METHYL METHACRYLATE							
METHYL METHANESULFONATE							
N-NITROSO-DI-N-BUTYLAMINE							
N-NITROSO-DI-N-PROPYLAMINE	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
N-NITROSODIETHYLAMINE							
N-NITROSODIMETHYLAMINE							
N-NITROSODIPHENYLAMINE	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
N-NITROSOMETHYLETHYLAMINE							
N-NITROSOMORPHOLINE							
N-NITROSOPIPERIDINE							
N-NITROSOPYRROLIDINE							
NAPHTHALENE	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
NITROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
O-TOLUIDINE							
P-DIMETHYLAMINOAZOBENZENE							
P-PHENYLENEDIAMINE							
PENTACHLOROBENZENE							
PENTACHLOROETHANE							
PENTACHLORONITROBENZENE							
PENTACHLOROPHENOL	UG/L	50UY	50UY	50UY	50UY	50UY	60UY
PHENACETIN							
PHENANTHRENE	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
PHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
PRONAMIDE							
PYRENE	UG/L	10UY	10UY	10UY	10UY	10UY	12UY
PYRIDINE							
SAFROLE							

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10252	10898	10899	10985	10985	17063
SUB-SAMPLE ID:		00000	DUP	00000	00000	WS	00000
STATION ID:		MW165	MW201	MW066	C7302	C7302	C7302
SAMPLE DATE:		05/29/1991	04/25/1991	04/08/1991	05/10/1991	05/10/1991	03/15/1991
SAMPLE TIME:		16:20	16:04	13:45	07:00	07:00	13:45
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,2,4,5-TETRACHLOROBENZENE							
1,2,4-TRICHLOROBENZENE	UG/L	14UY	10UY	11UY			10UY
1,2-DICHLOROBENZENE	UG/L	14UY	10UY	11UY			10UY
1,2-DIPHENYLHYDRAZINE	UG/L		10UY				
1,3,5-TRINITROBENZENE							
1,3-DICHLOROBENZENE	UG/L	14UY	10UY	11UY			10UY
1,3-DINITROBENZENE							
1,4-DICHLOROBENZENE	UG/L	14UY	10UY	11UY			10UY
1,4-DIOXANE							
1,4-NAPHTHOQUINONE							
1-NAPHTHLAMINE							
2,3,4,6-TETRACHLOROPHENOL							
2,4,5-TRICHLOROPHENOL	UG/L	70UY	50UY	55UY			50UY
2,4,6-TRICHLOROPHENOL	UG/L	14UY	10UY	11UY			10UY
2,4-DICHLOROPHENOL	UG/L	14UY	10UY	11UY			10UY
2,4-DIMETHYLPHENOL	UG/L	14UY	10UY	11UY			10UY
2,4-DINITROPHENOL	UG/L	70UY	50UY	55UY			50UY
2,4-DINITROTOLUENE	UG/L	14UY	10UY	11UY			10UY
2,6-DICHLOROPHENOL							
2,6-DINITROTOLUENE	UG/L	14UY	10UY	11UY			10UY
2-ACETYLAMINOFLUORENE							
2-CHLORONAPHTHALENE	UG/L	14UY	10UY	11UY			10UY
2-CHLOROPHENOL	UG/L	14UY	10UY	11UY			10UY
2-METHYLNAPHTHALENE	UG/L	14UY	10UY	11UY			10UY
2-METHYLPHENOL	UG/L	14UY	10UY	11UY			10UY
2-NAPHTHYLAMINE							
2-NITROANILINE	UG/L	70UY	50UY	55UY			50UY
2-NITROPHENOL	UG/L	14UY	10UY	11UY			10UY
2-PICOLINE							
2-SEC-BUTYL-4,6-DINITROPHENOL							

ata Format: value + detected flag + validated flag + qualifiers

DMS CHEMICAL OBSERVATIONS MATRIX
ROUNDWATER
ADUCAH PHASE II
AMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10252	10898	10899	10985	10985	17063
SUB-SAMPLE ID:		00000	DUP	00000	00000	WS	00000
STATION ID:		MW165	MW201	MW066	C7302	C7302	C7302
SAMPLE DATE:		05/29/1991	04/25/1991	04/08/1991	05/10/1991	05/10/1991	03/15/1991
SAMPLE TIME:		16:20	16:04	13:45	07:00	07:00	13:45
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
3,3'-DICHLOROBENZIDINE	UG/L	28UY	20UY	22UY			20UY
3,3'-DIMETHYLBENZIDINE							
3-HEXENE-2-5,DIONE	UG/L	14UY					
3-METHYLCHOLANTHRENE							
3-METHYLPHENOL							
3-NITROANILINE	UG/L	70UY	50UY	55UY			50UY
4,6-DINITRO-2-METHYLPHENOL	UG/L	70UY	50UY	55UY			50UY
4-AMINOBIPHENYL							
4-BROMOPHENYL PHENYL ETHER	UG/L	14UY	10UY	11UY			10UY
4-CHLORO-3-METHYLPHENOL	UG/L	14UY	10UY	11UY			10UY
4-CHLOROANILINE	UG/L	14UY	10UY	11UY			10UY
4-CHLOROPHENYL PHENYL ETHER	UG/L	14UY	10UY	11UY			10UY
4-METHYLPHENOL	UG/L	14UY	10UY	11UY			10UY
4-NITROANILINE	UG/L	70UY	50UY	55UY			50UY
4-NITROPHENOL	UG/L	70UY	50UY	55UY			50UY
4-NITROQUINOLINE-1-OXIDE							
5-NITRO-O-TOLUIDINE							
7,12-DIMETHYLBENZ(A)ANTHRACENE							
A,A-DIMETHYLPHENETHYLAMINE							
ACENAPHTHENE	UG/L	14UY	10UY	11UY			10UY
ACENAPHTHYLENE	UG/L	14UY	10UY	11UY			10UY
ACETOPHENONE							
ANILINE							
ANTHRACENE	UG/L	14UY	10UY	11UY			10UY
ARAMITE							
BENZO(A)ANTHRACENE	UG/L	14UY	10UY	11UY			10UY
BENZO(A)PYRENE	UG/L	14UY	10UY	11UY			10UY
BENZO(B)FLUORANTHENE	UG/L	14UY	10UY	11UY			10UY
BENZO(GHI)PERYLENE	UG/L	14UY	10UY	11UY			10UY
BENZO(K)FLUORANTHENE	UG/L	14UY	10UY	11UY			10UY

)ata Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		10252	10898	10899	10985	10985	17063
SUB-SAMPLE ID:		00000	DUP	00000	00000	WS	00000
STATION ID:		MW165	MW201	MW066	C7302	C7302	C7302
SAMPLE DATE:		05/29/1991	04/25/1991	04/08/1991	05/10/1991	05/10/1991	03/15/1991
SAMPLE TIME:		16:20	16:04	13:45	07:00	07:00	13:45
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
BENZOIC ACID	UG/L	70UY	50UY	55UY			50UYR
BENZYL ALCOHOL	UG/L	14UY	10UY	11UY			10UY
BENZYL BUTYL PHTHALATE	UG/L	14UY	10UY	11UY			10UY
BIS(2-CHLOROETHOXY) METHANE	UG/L	14UY	10UY	11UY			10UY
BIS(2-CHLOROETHYL)ETHER	UG/L	14UY	10UY	11UY			10UY
BIS(2-CHLOROISOPROPYL) ETHER	UG/L	14UY	10UY	11UY			10UY
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	8DYJ	10UYJB	11UY			4DYJ
CHLOROBENZILATE							
CHRYSENE	UG/L	14UY	10UY	11UY			10UY
DI-N-BUTYL PHTHALATE	UG/L	14UY	10UY	11UY			10UY
DI-N-OCTYL PHTHALATE	UG/L	14UY	10UY	11UY			10UY
DIALLATE							
DIBENZO(A,H)ANTHRACENE	UG/L	14UY	10UY	11UY			10UY
DIBENZOFURAN	UG/L	14UY	10UY	11UY			10UY
DIETHYL PHTHALATE	UG/L	14UY	10UY	11UY			10UY
DIMETHYL PHTHALATE	UG/L	14UY	10UY	11UY			10UY
DIPHENYLAMINE							
ETHYL METHACRYLATE							
ETHYL METHANESULFONATE							
FLUORANTHENE	UG/L	14UY	10UY	11UY			10UY
FLUORENE	UG/L	14UY	10UY	11UY			10UY
HEXACHLOROBENZENE	UG/L	14UY	10UY	11UY			10UY
HEXACHLOROBUTADIENE	UG/L	14UY	10UY	11UY			10UY
HEXACHLOROCYCLOPENTADIENE	UG/L	14UY	10UY	11UY			10UY
HEXACHLOROETHANE	UG/L	14UY	10UY	11UY			10UY
HEXACHLOROPHENE							
HEXACHLOROPROPENE							
INDENO(1,2,3-CD)PYRENE	UG/L	14UY	10UY	11UY			10UY
ISOPHORONE	UG/L	14UY	10UY	11UY			10UY
ISOSAFROLE							

ata Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:		10252	10898	10899	10985	10985	17063
SUB-SAMPLE ID:		00000	DUP	00000	00000	WS	00000
STATION ID:		MW165	MW201	MW066	C7302	C7302	C7302
SAMPLE DATE:		05/29/1991	04/25/1991	04/08/1991	05/10/1991	05/10/1991	03/15/1991
SAMPLE TIME:		16:20	16:04	13:45	07:00	07:00	13:45
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
METHAPYRILENE							
METHYL METHACRYLATE							
METHYL METHANESULFONATE							
N-NITROSO-DI-N-BUTYLAMINE							
N-NITROSO-DI-N-PROPYLAMINE	UG/L	14UY	10UY	11UY			10UY
N-NITROSODIETHYLAMINE							
N-NITROSODIMETHYLAMINE							
N-NITROSODIPHENYLAMINE	UG/L	14UY	10UY	11UY			10UY
N-NITROSOMETHYLETHYLAMINE							
N-NITROSOMORPHOLINE							
N-NITROSOPIPERIDINE							
N-NITROSOPYRROLIDINE							
NAPHTHALENE	UG/L	14UY	10UY	11UY			10UY
NITROBENZENE	UG/L	14UY	10UY	11UY			10UY
O-TOLUIDINE							
P-DIMETHYLAMINOAZOBENZENE							
P-PHENYLENEDIAMINE							
PENTACHLOROBENZENE							
PENTACHLOROETHANE							
PENTACHLORONITROBENZENE							
PENTACHLOROPHENOL	UG/L	70UY	50UY	55UY			50UY
PHENACETIN							
PHENANTHRENE	UG/L	14UY	10UY	11UY			10UY
PHENOL	UG/L		10UY	11UY			10UY
PRONAMIDE							
PYRENE	UG/L	14UY	10UY	11UY			10UY
PYRIDINE							
SAFROLE							

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: PESTICIDES

SAMPLE ID:	10092	10092	10093	10094	10095	10096
SUB-SAMPLE ID:	00000	DUP	00000	00000	DUP	00000
STATION ID:	MW084	MW084	MW085	MW086	MW086	MW087
SAMPLE DATE:	03/19/1991	03/19/1991	03/12/1991	03/19/1991	03/19/1991	03/20/1991
SAMPLE TIME:	15:20	15:20	16:00	11:00	11:30	12:00
SAMPLE MATRIX:	GW	GW	GW	GW	GW	GW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
0,0,0-TRIETHYL PHOSPHOROTHIOAT UG/L				0.2UN		0.2UN
2(2,4,5-TRICHLOROPHENOXY)PROPIONIC A UG/L	0.98UN		0.97UY	0.95UN		UN
2(2,4,5-TRICHLOROPHENOXY)PROPIONIC A UG/L			UN			
2,4,5-TRICHLOROPHENOXYACETIC ACID UG/L	0.98UN		0.97UY	0.95UN		UN
2,4,5-TRICHLOROPHENOXYACETIC ACID UG/L			UN			
2,4-DICHLOROPHENOXY ACETIC ACID UG/L	0.98UN		0.97UY	0.95UN		UN
2,4-DICHLOROPHENOXY ACETIC ACID UG/L			UN			
4,4'-DDD UG/L		0.1UY	0.11UY	0.092UY		0.1UY
4,4'-DDE UG/L		0.1UY	0.11UY	0.092UY		0.1UY
4,4'-DDT UG/L		0.1UY	0.11UY	0.092UY		0.1UY
ALDRIN UG/L		0.051UY	0.055UY	0.046UY		0.052UY
ALPHA-CHLORDANE UG/L		0.51UY	0.55UY	0.46UY		0.52UY
AROCLOR-1016 UG/L		0.51UY	0.55UY	0.46UY		0.52UY
AROCLOR-1221 UG/L		0.51UY	0.55UY	0.92UY		0.52UY
AROCLOR-1232 UG/L		0.51UY	0.55UY	0.46UY		0.52UY
AROCLOR-1242 UG/L		0.51UY	0.55UY	0.46UY		0.52UY
AROCLOR-1248 UG/L		0.51UY	0.55UY	0.46UY		0.52UY
AROCLOR-1254 UG/L		1UY	1.1UY	0.92UY		1UY
AROCLOR-1260 UG/L		1UY	1.1UY	0.92UY		1UY
BHC-ALPHA UG/L		0.051UY	0.055UY	0.046UY		0.052UY
BHC-BETA UG/L		0.051UY	0.055UY	0.046UY		0.052UY
BHC-DELTA UG/L		0.051UY	0.055UY	0.046UY		0.052UY
BHC-GAMMA(LINDANE) UG/L		0.051UY	0.055UY	0.046UY		0.052UY
DIAZINON UG/L						0.2UN
DIELDRIN UG/L		0.1UY	0.11UY	0.092UY		0.1UY
DIMETHOATE UG/L				1UN		1UN
DISULFOTON UG/L				0.5UN		0.2UN
ENDOSULFAN I UG/L		0.051UY	0.055UY	0.046UY		0.052UY
ENDOSULFAN II UG/L		0.1UY	0.11UY	0.092UY		0.1UY
ENDOSULFAN SULFATE UG/L		0.1UY	0.11UY	0.092UY		0.1UY

Data Format: value + detected flag + validated flag + qualifiers

DMS CHEMICAL OBSERVATIONS MATRIX
ROUNDWATER
ADUCAH PHASE II
AMPLE ANALYSIS: PESTICIDES

SAMPLE ID:		10092	10092	10093	10094	10095	10096
SUB-SAMPLE ID:		00000	DUP	00000	00000	DUP	00000
STATION ID:		MW084	MW084	MW085	MW086	MW086	MW087
SAMPLE DATE:		03/19/1991	03/19/1991	03/12/1991	03/19/1991	03/19/1991	03/20/1991
SAMPLE TIME:		15:20	15:20	16:00	11:00	11:30	12:00
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
ENDRIN	UG/L		0.1UY	0.11UY	0.092UY		0.1UY
ENDRIN ALDEHYDE							
ENDRIN KETONE	UG/L		0.1UY	0.11UY	0.092UY		0.1UY
ETHYL PARATHION	UG/L						0.2UN
FAMPHUR (FAMOPHOS)	UG/L				5UN		1UN
GAMMA-CHLORDANE	UG/L		0.51UY	0.55UY	0.46UY		0.52UY
HEPTACHLOR	UG/L		0.051UY	0.055UY	0.046UY		0.052UY
HEPTACHLOR EPOXIDE	UG/L		0.051UY	0.055UY	0.046UY		0.052UY
ISODRIN	UG/L		0.1UY	0.11UY	0.092UY		0.1UY
KEPONE	UG/L		0.1UY	0.11UY	0.092UY		0.1UY
METHOXYCHLOR	UG/L		0.51UY	0.55UY	0.46UY		0.52UY
METHYL PARATHION	UG/L				0.5UN		0.2UN
PARATHION	UG/L				0.5UN		
PHORATE	UG/L				0.5UN		0.2UN
SULFOTEPP	UG/L				0.2UN		0.2UN
THIONAZIN (ZINOPHOS)	UG/L				0.2UN		0.2UN
TOXAPHENE	UG/L		1UY	1.1UY	0.92UY		1UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: PESTICIDES

SAMPLE ID:	10097	10098	10099	10100	10100	10101
SUB-SAMPLE ID:	00000	DUP	00000	00000	RE	00000
STATION ID:	MW088	MW088	MW089	MW090	MW090	MW091
SAMPLE DATE:	03/20/1991	03/20/1991	03/20/1991	03/21/1991	03/21/1991	03/21/1991
SAMPLE TIME:	15:45	16:00	15:00	09:45	09:45	10:15
SAMPLE MATRIX:	GW	GW	GW	GW	GW	GW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
0,0,0-TRIETHYL PHOSPHOROTHIOAT UG/L	0.2UN		0.2UN	0.2UN		0.2UN
2(2,4,5-TRICHLOROPHENOXY)PROPIONIC A UG/L	UN		UN	0.52UN	0.5UN	0.99UN
2,4,5-TRICHLOROPHENOXYACETIC ACID UG/L	UN		UN	0.52UN	0.5UN	0.99UN
2,4-DICHLOROPHENOXY ACETIC ACID UG/L	UN		UN	1UN	1UN	0.99UN
4,4'-DDD UG/L	0.1UY		0.1UY	0.1UY		0.1UY
4,4'-DDE UG/L	0.1UY		0.1UY	0.1UY		0.1UY
4,4'-DDT UG/L	0.1UY		0.1UY	0.1UY		0.1UY
ALDRIN UG/L	0.051UY		0.05UY	0.051UY		0.05UY
ALPHA-CHLORDANE UG/L	0.51UY		0.5UY	0.51UY		0.5UY
AROCLOR-1016 UG/L	0.51UY		0.5UY	0.51UY		0.5UY
AROCLOR-1221 UG/L	0.51UY		0.5UY	0.51UY		0.5UY
AROCLOR-1232 UG/L	0.51UY		0.5UY	0.51UY		0.5UY
AROCLOR-1242 UG/L	0.51UY		0.5UY	0.51UY		0.5UY
AROCLOR-1248 UG/L	0.51UY		0.5UY	0.51UY		0.5UY
AROCLOR-1254 UG/L	1UY		1UY	1UY		1UY
AROCLOR-1260 UG/L	1UY		1UY	1UY		1UY
BHC-ALPHA UG/L	0.051UY		0.05UY	0.051UY		0.05UY
BHC-BETA UG/L	0.051UY		0.05UY	0.051UY		0.05UY
BHC-DELTA UG/L	0.051UY		0.05UY	0.051UY		0.05UY
BHC-GAMMA(LINDANE) UG/L	0.051UY		0.05UY	0.051UY		0.05UY
DIAZINON UG/L	0.2UN		0.2UN	0.2UN		
DIELDRIN UG/L	0.1UY		0.1UY	0.1UY		0.1UY
DIMETHOATE UG/L	1UN		1UN	1UN		1UN
DISULFOTON UG/L	0.2UN		0.2UN	0.2UN		0.5UN
ENDOSULFAN I UG/L	0.051UY		0.05UY	0.051UY		0.05UY
ENDOSULFAN II UG/L	0.1UY		0.1UY	0.1UY		0.1UY
ENDOSULFAN SULFATE UG/L	0.1UY		0.1UY	0.1UY		0.1UY
ENDRIN UG/L	0.1UY		0.1UY	0.1UY		0.1UY
ENDRIN ALDEHYDE UG/L				0.1UY		
ENDRIN KETONE UG/L	0.1UY		0.1UY			0.1UY

)ata Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:	10097	10098	10099	10100	10100	10101
SUB-SAMPLE ID:	00000	DUP	00000	00000	RE	00000
STATION ID:	MW088	MW088	MW089	MW090	MW090	MW091
SAMPLE DATE:	03/20/1991	03/20/1991	03/20/1991	03/21/1991	03/21/1991	03/21/1991
SAMPLE TIME:	15:45	16:00	15:00	09:45	09:45	10:15
SAMPLE MATRIX:	GW	GW	GW	GW	GW	GW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
ETHYL PARATHION UG/L	0.2UN		0.2UN	0.2UN		
FAMPHUR (FAMOPHOS) UG/L	1UN		1UN	1UN		5UN
GAMMA-CHLORDANE UG/L	0.51UY		0.5UY	0.51UY		0.5UY
HEPTACHLOR UG/L	0.051UY		0.05UY	0.051UY		0.05UY
HEPTACHLOR EPOXIDE UG/L	0.051UY		0.05UY	0.051UY		0.05UY
ISODRIN UG/L	0.1UY		0.1UY	0.1UY		0.1UY
KEPONE UG/L	0.1UY		0.1UY	0.1UY		0.1UY
METHOXYCHLOR UG/L	0.51UY		0.5UY	0.51UY		0.5UY
METHYL PARATHION UG/L	0.2UN		0.2UN	0.2UN		0.5UN
PARATHION UG/L						0.5UN
PHORATE UG/L	0.2UN		0.2UN	0.2UN		0.5UN
SULFOTEPP UG/L	0.2UN		0.2UN	0.2UN		0.2UN
THIONAZIN (ZINOPHOS) UG/L	0.2UN		0.2UN	0.2UN		0.2UN
TOXAPHENE UG/L	1UY		1UY	1UY		1UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: PESTICIDES

SAMPLE ID:	10102	10102	10103	10104	10105	10105
SUB-SAMPLE ID:	00000	RE	00000	DUP	00000	RE
STATION ID:	MW092	MW092	MW093	MW093	MW094	MW094
SAMPLE DATE:	03/21/1991	03/21/1991	03/22/1991	03/22/1991	03/21/1991	03/21/1991
SAMPLE TIME:	10:45	10:45	13:40	13:50	16:30	16:30
SAMPLE MATRIX:	GW	GW	GW	GW	GW	GW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
0,0,0-TRIETHYL PHOSPHOROTHIOAT UG/L	0.2UN		0.2UN		0.2UN	
2(2,4,5-TRICHLOROPHENOXY)PROPIONIC A UG/L	0.52UN	0.5UN	0.99UN		0.52UN	0.5UN
2,4,5-TRICHLOROPHENOXYACETIC ACID UG/L	0.52UN	0.5UN	0.99UN		0.52UN	0.5UN
2,4-DICHLOROPHENOXY ACETIC ACID UG/L	1UN	1UN	0.99UN		1UN	1UN
4,4'-DDD UG/L	0.1UY		0.098UY		0.1UY	
4,4'-DDE UG/L	0.1UY		0.098UY		0.1UY	
4,4'-DDT UG/L	0.1UY		0.098UY		0.1UY	
ALDRIN UG/L	0.051UY		0.049UY		0.05UY	
ALPHA-CHLORDANE UG/L	0.51UY		0.49UY		0.5UY	
AROCLOR-1016 UG/L	0.51UY		0.49UY		0.5UY	
AROCLOR-1221 UG/L	0.51UY		0.49UY		0.5UY	
AROCLOR-1232 UG/L	0.51UY		0.49UY		0.5UY	
AROCLOR-1242 UG/L	0.51UY		0.49UY		0.5UY	
AROCLOR-1248 UG/L	0.51UY		0.49UY		0.5UY	
AROCLOR-1254 UG/L	1UY		0.98UY		1UY	
AROCLOR-1260 UG/L	1UY		0.98UY		1UY	
BHC-ALPHA UG/L	0.051UY		0.049UY		0.05UY	
BHC-BETA UG/L	0.051UY		0.049UY		0.05UY	
BHC-DELTA UG/L	0.051UY		0.049UY		0.05UY	
BHC-GAMMA(LINDANE) UG/L	0.051UY		0.049UY		0.05UY	
DIAZINON UG/L	0.2UN				0.2UN	
DIELDRIN UG/L	0.1UY		0.098UY		0.1UY	
DIMETHOATE UG/L	1UN		1UN		1UN	
DISULFOTON UG/L	0.2UN		0.5UN		0.2UN	
ENDOSULFAN I UG/L	0.051UY		0.049UY		0.05UY	
ENDOSULFAN II UG/L	0.1UY		0.098UY		0.1UY	
ENDOSULFAN SULFATE UG/L	0.1UY		0.098UY		0.1UY	
ENDRIN UG/L	0.1UY		0.098UY		0.1UY	
ENDRIN ALDEHYDE UG/L	0.1UY				0.1UY	
ENDRIN KETONE UG/L			0.098UY			

Data Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:	10102	10102	10103	10104	10105	10105
SUB-SAMPLE ID:	00000	RE	00000	DUP	00000	RE
STATION ID:	MW092	MW092	MW093	MW093	MW094	MW094
SAMPLE DATE:	03/21/1991	03/21/1991	03/22/1991	03/22/1991	03/21/1991	03/21/1991
SAMPLE TIME:	10:45	10:45	13:40	13:50	16:30	16:30
SAMPLE MATRIX:	GW	GW	GW	GW	GW	GW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
ETHYL PARATHION UG/L	0.2UN				0.2UN	
FAMPHUR (FAMOPHOS) UG/L	1UN		5UN		1UN	
GAMMA-CHLORDANE UG/L	0.51UY		0.49UY		0.5UY	
HEPTACHLOR UG/L	0.051UY		0.049UY		0.05UY	
HEPTACHLOR EPOXIDE UG/L	0.051UY		0.049UY		0.05UY	
ISODRIN UG/L	0.1UY		0.098UY		0.1UY	
KEPONE UG/L	0.1UY		0.098UY		0.1UY	
METHOXYCHLOR UG/L	0.51UY		0.49UY		0.5UY	
METHYL PARATHION UG/L	0.2UN		0.5UN		0.2UN	
PARATHION UG/L			0.5UN			
PHORATE UG/L	0.2UN		0.5UN		0.2UN	
SULFOTEPP UG/L	0.2UN		0.2UN		0.2UN	
THIONAZIN (ZINOPHOS) UG/L	0.2UN		0.2UN		0.2UN	
TOXAPHENE UG/L	1UY		0.98UY		1UY	

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: PESTICIDES

SAMPLE ID:		10106	10106	10107	10108	10109	10110
SUB-SAMPLE ID:		00000	RE	00000	00000	00000	00000
STATION ID:		MW095	MW095	MW120	MW130	MW131	MW129
SAMPLE DATE:		03/21/1991	03/21/1991	02/28/1991	02/28/1991	02/28/1991	02/28/1991
SAMPLE TIME:		16:25	16:25	09:45	10:05	09:15	10:45
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
0,0,0-TRIETHYL PHOSPHOROTHIOAT	UG/L	0.2UN					
2(2,4,5-TRICHLOROPHENOXY)PROPIONIC A	UG/L	0.52UN	0.5UN				
2,4,5-TRICHLOROPHENOXYACETIC ACID	UG/L	0.52UN	0.5UN				
2,4-DICHLOROPHENOXY ACETIC ACID	UG/L	1UN	1UN				
4,4'-DDD	UG/L	0.1UY					
4,4'-DDE	UG/L	0.1UY					
4,4'-DDT	UG/L	0.1UY					
ALDRIN	UG/L	0.052UY					
ALPHA-CHLORDANE	UG/L	0.52UY					
AROCLOR-1016	UG/L	0.52UY					
AROCLOR-1221	UG/L	0.52UY					
AROCLOR-1232	UG/L	0.52UY					
AROCLOR-1242	UG/L	0.52UY					
AROCLOR-1248	UG/L	0.52UY					
AROCLOR-1254	UG/L	1UY					
AROCLOR-1260	UG/L	1UY					
BHC-ALPHA	UG/L	0.052UY					
BHC-BETA	UG/L	0.052UY					
BHC-DELTA	UG/L	0.052UY					
BHC-GAMMA(LINDANE)	UG/L	0.052UY					
DIAZINON	UG/L	0.2UN					
DIELDRIN	UG/L	0.1UY					
DIMETHOATE	UG/L	1UN					
DISULFOTON	UG/L	0.2UN					
ENDOSULFAN I	UG/L	0.052UY					
ENDOSULFAN II	UG/L	0.1UY					
ENDOSULFAN SULFATE	UG/L	0.1UY					
ENDRIN	UG/L	0.1UY					
ENDRIN ALDEHYDE	UG/L	0.1UY					
ENDRIN KETONE							

Data Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:		10106	10106	10107	10108	10109	10110
SUB-SAMPLE ID:		00000	RE	00000	00000	00000	00000
STATION ID:		MW095	MW095	MW120	MW130	MW131	MW129
SAMPLE DATE:		03/21/1991	03/21/1991	02/28/1991	02/28/1991	02/28/1991	02/28/1991
SAMPLE TIME:		16:25	16:25	09:45	10:05	09:15	10:45
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
ETHYL PARATHION	UG/L	0.2UN					
FAMPHUR (FAMOPHOS)	UG/L	1UN					
GAMMA-CHLORDANE	UG/L	0.52UY					
HEPTACHLOR	UG/L	0.052UY					
HEPTACHLOR EPOXIDE	UG/L	0.052UY					
ISODRIN	UG/L	0.1UY					
KEPONE	UG/L	0.1UY					
METHOXYCHLOR	UG/L	0.52UY					
METHYL PARATHION	UG/L	0.2UN					
PARATHION							
PHORATE	UG/L	0.2UN					
SULFOTEPP	UG/L	0.2UN					
THIONAZIN (ZINOPHOS)	UG/L	0.2UN					
TOXAPHENE	UG/L	1UY					

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: PESTICIDES

SAMPLE ID:		10123	10124	10125	10126	10127	10128
SUB-SAMPLE ID:		00000	00000	00000	DUP	00000	00000
STATION ID:		MW165	MW166	MW167	MW185	MW168	MW169
SAMPLE DATE:		03/20/1991	03/20/1991	03/25/1991	03/26/1991	03/21/1991	03/25/1991
SAMPLE TIME:		11:10	14:30	11:30	15:00	14:55	16:20
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
0,0,0-TRIETHYL PHOSPHOROTHIOAT							
2(2,4,5-TRICHLOROPHENOXY)PROPIONIC A							
2,4,5-TRICHLOROPHENOXYACETIC ACID							
2,4-DICHLOROPHENOXY ACETIC ACID							
4,4'-DDD	UG/L		0.1UY				
4,4'-DDE	UG/L		0.1UY				
4,4'-DDT	UG/L		0.1UY				
ALDRIN	UG/L		0.052UY				
ALPHA-CHLORDANE	UG/L		0.52UY				
AROCLOR-1016	UG/L		0.52UY				
AROCLOR-1221	UG/L		0.52UY				
AROCLOR-1232	UG/L		0.52UY				
AROCLOR-1242	UG/L		0.52UY				
AROCLOR-1248	UG/L		0.52UY				
AROCLOR-1254	UG/L		1UY				
AROCLOR-1260	UG/L		1UY				
BHC-ALPHA	UG/L		0.052UY				
BHC-BETA	UG/L		0.052UY				
BHC-DELTA	UG/L		0.052UY				
BHC-GAMMA(LINDANE)	UG/L		0.052UY				
DIAZINON							
DIELDRIN	UG/L		0.1UY				
DIMETHOATE							
DISULFOTON							
ENDOSULFAN I	UG/L		0.052UY				
ENDOSULFAN II	UG/L		0.1UY				
ENDOSULFAN SULFATE	UG/L		0.1UY				
ENDRIN	UG/L		0.1UY				
ENDRIN ALDEHYDE	UG/L		0.1UY				
ENDRIN KETONE							

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: PESTICIDES

SAMPLE ID:		10123	10124	10125	10126	10127	10128
SUB-SAMPLE ID:		00000	00000	00000	DUP	00000	00000
STATION ID:		MW165	MW166	MW167	MW185	MW168	MW169
SAMPLE DATE:		03/20/1991	03/20/1991	03/25/1991	03/26/1991	03/21/1991	03/25/1991
SAMPLE TIME:		11:10	14:30	11:30	15:00	14:55	16:20
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
ETHYL PARATHION							
FAMPHUR (FAMOPHOS)							
GAMMA-CHLORDANE	UG/L		0.52UY				
HEPTACHLOR	UG/L		0.052UY				
HEPTACHLOR EPOXIDE	UG/L		0.052UY				
ISODRIN	UG/L		0.1UY				
KEPONE	UG/L		0.1UY				
METHOXYCHLOR	UG/L		0.52UY				
METHYL PARATHION							
PARATHION							
PHORATE							
SULFOTEPP							
THIONAZIN (ZINOPHOS)							
TOXAPHENE	UG/L		1UY				

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: PESTICIDES

SAMPLE ID:		10189	10190	10191	10192	10193	10194
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW152	MW153	MW155	MW156	MW157	MW158
SAMPLE DATE:		05/09/1991	05/09/1991	05/06/1991	05/08/1991	05/06/1991	05/10/1991
SAMPLE TIME:		10:40	11:10	10:20	10:35	10:50	14:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
0,0,0-TRIETHYL PHOSPHOROTHIOAT							
2(2,4,5-TRICHLOROPHENOXY)PROPIONIC A							
2,4,5-TRICHLOROPHENOXYACETIC ACID							
2,4-DICHLOROPHENOXY ACETIC ACID							
4,4'-DDD							
4,4'-DDE							
4,4'-DDT							
ALDRIN							
ALPHA-CHLORDANE							
AROCLOR-1016	UG/L					0.5UY	
AROCLOR-1221	UG/L					1.2UY	
AROCLOR-1232	UG/L					1.2UY	
AROCLOR-1242	UG/L					0.5UY	
AROCLOR-1248	UG/L					0.2UY	
AROCLOR-1254	UG/L					0.2UY	
AROCLOR-1260	UG/L					0.2UY	
BHC-ALPHA							
BHC-BETA							
BHC-DELTA							
BHC-GAMMA(LINDANE)							
DIAZINON							
DIELDRIN							
DIMETHOATE							
DISULFOTON							
ENDOSULFAN I							
ENDOSULFAN II							
ENDOSULFAN SULFATE							
ENDRIN							
ENDRIN ALDEHYDE							
ENDRIN KETONE							

Data Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:		10195	10196	10197	10198	10199	10200
SUB-SAMPLE ID:		DUP	00000	00000	00000	00000	DUP
STATION ID:		MW158	MW159	MW160	MW161	MW162	MW162
SAMPLE DATE:		05/10/1991	05/10/1991	05/10/1991	05/08/1991	05/08/1991	05/08/1991
SAMPLE TIME:		14:15	11:10	14:20	15:30	14:40	14:40
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
0,0,0-TRIETHYL PHOSPHOROTHIOAT							
2(2,4,5-TRICHLOROPHENOXY)PROPIONIC A							
2,4,5-TRICHLOROPHENOXYACETIC ACID							
2,4-DICHLOROPHENOXY ACETIC ACID							
4,4'-DDD							
4,4'-DDE							
4,4'-DDT							
ALDRIN							
ALPHA-CHLORDANE							
AROCLOR-1016	UG/L			1UY		0.58UY	0.57UY
AROCLOR-1221	UG/L			1UY		0.58UY	0.57UY
AROCLOR-1232	UG/L			1UY		0.58UY	0.57UY
AROCLOR-1242	UG/L			1UY		0.58UY	0.57UY
AROCLOR-1248	UG/L			1UY		0.58UY	0.57UY
AROCLOR-1254	UG/L			2.1UY		1.2UY	1.1UY
AROCLOR-1260	UG/L			2.1UY		1.2UY	1.1UY
BHC-ALPHA							
BHC-BETA							
BHC-DELTA							
BHC-GAMMA(LINDANE)							
DIAZINON							
DIELDRIN							
DIMETHOATE							
DISULFOTON							
ENDOSULFAN I							
ENDOSULFAN II							
ENDOSULFAN SULFATE							
ENDRIN							
ENDRIN ALDEHYDE							
ENDRIN KETONE							

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: PESTICIDES

SAMPLE ID:		10201	10204	10205	10206	10207	10208
SUB-SAMPLE ID:		00000	00000	00000	00000	DUP	00000
STATION ID:		MW163	MW166	MW167	MW168	MW168	MW169
SAMPLE DATE:		05/09/1991	05/13/1991	04/30/1991	05/06/1991	05/06/1991	04/29/1991
SAMPLE TIME:		11:15	10:40	15:30	15:25	15:25	16:00
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
0,0,0-TRIETHYL PHOSPHOROTHIOAT							
2(2,4,5-TRICHLOROPHENOXY)PROPIONIC A							
2,4,5-TRICHLOROPHENOXYACETIC ACID							
2,4-DICHLOROPHENOXY ACETIC ACID							
4,4'-DDD							
4,4'-DDE							
4,4'-DDT							
ALDRIN							
ALPHA-CHLORDANE							
AROCLOR-1016	UG/L		0.58UY	0.5UY			
AROCLOR-1221	UG/L		0.58UY	1.2UY			
AROCLOR-1232	UG/L		0.58UY	1.2UY			
AROCLOR-1242	UG/L		0.58UY	0.5UY			
AROCLOR-1248	UG/L		0.58UY	0.2UY			
AROCLOR-1254	UG/L		1.2UY	0.2UY			
AROCLOR-1260	UG/L		1.2UY	0.2UY			
BHC-ALPHA							
BHC-BETA							
BHC-DELTA							
BHC-GAMMA(LINDANE)							
DIAZINON							
DIELDRIN							
DIMETHOATE							
DISULFOTON							
ENDOSULFAN I							
ENDOSULFAN II							
ENDOSULFAN SULFATE							
ENDRIN							
ENDRIN ALDEHYDE							
ENDRIN KETONE							

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: PESTICIDES

SAMPLE ID:		10209	10210	10211	10212	10213	10214
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW170	MW171	MW172	MW173	MW174	MW175
SAMPLE DATE:		04/30/1991	05/07/1991	05/07/1991	05/10/1991	05/10/1991	05/07/1991
SAMPLE TIME:		10:50	15:15	16:45	13:40	14:00	09:20
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
0,0,0-TRIETHYL PHOSPHOROTHIOAT							
2(2,4,5-TRICHLOROPHENOXY)PROPIONIC A							
2,4,5-TRICHLOROPHENOXYACETIC ACID							
2,4-DICHLOROPHENOXY ACETIC ACID							
4,4'-DDD							
4,4'-DDE							
4,4'-DDT							
ALDRIN							
ALPHA-CHLORDANE							
AROCLOR-1016	UG/L	0.5UY	0.66UY	0.7UY		0.53UY	
AROCLOR-1221	UG/L	1.2UY	0.66UY	0.7UY		0.53UY	
AROCLOR-1232	UG/L	1.2UY	0.66UY	0.7UY		0.53UY	
AROCLOR-1242	UG/L	0.5UY	0.66UY	0.7UY		0.53UY	
AROCLOR-1248	UG/L	0.2UY	0.66UY	0.7UY		0.53UY	
AROCLOR-1254	UG/L	0.2UY	1.3UY	1.4UY		1.1UY	
AROCLOR-1260	UG/L	0.2UY	1.3UY	1.4UY		1.1UY	
BHC-ALPHA							
BHC-BETA							
BHC-DELTA							
BHC-GAMMA(LINDANE)							
DIAZINON							
DIELDRIN							
DIMETHOATE							
DISULFOTON							
ENDOSULFAN I							
ENDOSULFAN II							
ENDOSULFAN SULFATE							
ENDRIN							
ENDRIN ALDEHYDE							
ENDRIN KETONE							

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: PESTICIDES

SAMPLE ID:		10216	10217	10218	10219	10220	10221
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	DUP
STATION ID:		MW177	MW178	MW179	MW180	MW181	MW181
SAMPLE DATE:		05/06/1991	05/01/1991	05/01/1991	05/08/1991	05/03/1991	05/03/1991
SAMPLE TIME:		13:45	16:15	15:25	14:50	10:25	08:35
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
0,0,0-TRIETHYL PHOSPHOROTHIOAT							
2(2,4,5-TRICHLOROPHENOXY)PROPIONIC A							
2,4,5-TRICHLOROPHENOXYACETIC ACID							
2,4-DICHLOROPHENOXY ACETIC ACID							
4,4'-DDD							
4,4'-DDE							
4,4'-DDT							
ALDRIN							
ALPHA-CHLORDANE							
AROCLOR-1016	UG/L	0.56UY			0.5UY		
AROCLOR-1221	UG/L	0.56UY			1.2UY		
AROCLOR-1232	UG/L	0.56UY			1.2UY		
AROCLOR-1242	UG/L	0.56UY			0.5UY		
AROCLOR-1248	UG/L	0.56UY			0.2UY		
AROCLOR-1254	UG/L	1.1UY			0.2UY		
AROCLOR-1260	UG/L	1.1UY			0.2UY		
BHC-ALPHA							
BHC-BETA							
BHC-DELTA							
BHC-GAMMA(LINDANE)							
DIAZINON							
DIELDRIN							
DIMETHOATE							
DISULFOTON							
ENDOSULFAN I							
ENDOSULFAN II							
ENDOSULFAN SULFATE							
ENDRIN							
ENDRIN ALDEHYDE							
ENDRIN KETONE							

)ata Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: PESTICIDES

SAMPLE ID:		10222	10223	10224	10225	10226	10227
SUB-SAMPLE ID:		00000	00000	DUP	00000	00000	00000
STATION ID:		MW182	MW184	MW184	MW185	MW186	MW187
SAMPLE DATE:		05/03/1991	05/03/1991	05/03/1991	05/13/1991	05/13/1991	05/13/1991
SAMPLE TIME:		08:35	10:45	10:45	15:30	16:15	14:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
0,0,0-TRIETHYL PHOSPHOROTHIOAT							
2(2,4,5-TRICHLOROPHENOXY)PROPIONIC A							
2,4,5-TRICHLOROPHENOXYACETIC ACID							
2,4-DICHLOROPHENOXY ACETIC ACID							
4,4'-DDD							
4,4'-DDE							
4,4'-DDT							
ALDRIN							
ALPHA-CHLORDANE							
AROCLOR-1016	UG/L	0.7UY	2.6UY	2.6UY		2.8UY	0.7UY
AROCLOR-1221	UG/L	0.7UY	2.6UY	2.6UY		2.8UY	0.7UY
AROCLOR-1232	UG/L	0.7UY	2.6UY	2.6UY		2.8UY	0.7UY
AROCLOR-1242	UG/L	0.7UY	2.6UY	2.6UY		2.8UY	0.7UY
AROCLOR-1248	UG/L	0.7UY	2.6UY	2.6UY		2.8UY	0.7UY
AROCLOR-1254	UG/L	1.4UY	5.2UY	5.1UY		5.6UY	1.4UY
AROCLOR-1260	UG/L	1.4UY	5.2UY	5.1UY		5.6UY	1.4UY
BHC-ALPHA							
BHC-BETA							
BHC-DELTA							
BHC-GAMMA(LINDANE)							
DIAZINON							
DIELDRIN							
DIMETHOATE							
DISULFOTON							
ENDOSULFAN I							
ENDOSULFAN II							
ENDOSULFAN SULFATE							
ENDRIN							
ENDRIN ALDEHYDE							
ENDRIN KETONE							

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: PESTICIDES

SAMPLE ID:		10228	10229	10230	10231	10232	10233
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW188	MW189	MW190	MW191	MW192	MW193
SAMPLE DATE:		05/11/1991	05/11/1991	05/13/1991	05/06/1991	05/06/1991	05/08/1991
SAMPLE TIME:		13:45	11:15	15:00	15:00	16:25	14:10
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
0,0,0-TRIETHYL PHOSPHOROTHIOAT							
2(2,4,5-TRICHLOROPHENOXY)PROPIONIC A							
2,4,5-TRICHLOROPHENOXYACETIC ACID							
2,4-DICHLOROPHENOXY ACETIC ACID							
4,4'-DDD							
4,4'-DDE							
4,4'-DDT							
ALDRIN							
ALPHA-CHLORDANE							
AROCLOR-1016	UG/L		0.5UY	0.57UY			
AROCLOR-1221	UG/L		1.2UY	0.57UY			
AROCLOR-1232	UG/L		1.2UY	0.57UY			
AROCLOR-1242	UG/L		0.5UY	0.57UY			
AROCLOR-1248	UG/L		0.2UY	0.57UY			
AROCLOR-1254	UG/L		0.2UY	1.1UY			
AROCLOR-1260	UG/L		0.2UY	1.1UY			
BHC-ALPHA							
BHC-BETA							
BHC-DELTA							
BHC-GAMMA(LINDANE)							
DIAZINON							
DIELDRIN							
DIMETHOATE							
DISULFOTON							
ENDOSULFAN I							
ENDOSULFAN II							
ENDOSULFAN SULFATE							
ENDRIN							
ENDRIN ALDEHYDE							
ENDRIN KETONE							

)ata Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: PESTICIDES

SAMPLE ID:		10240	10241	10242	10243	10244	10245
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW199	MW200	MW201	MW202	MW203	MW204
SAMPLE DATE:		05/14/1991	04/30/1991	05/07/1991	05/02/1991	05/09/1991	05/09/1991
SAMPLE TIME:		14:30	15:05	11:30	16:15	15:45	15:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
0,0,0-TRIETHYL PHOSPHOROTHIOAT							
2(2,4,5-TRICHLOROPHENOXY)PROPIONIC A							
2,4,5-TRICHLOROPHENOXYACETIC ACID							
2,4-DICHLOROPHENOXY ACETIC ACID							
4,4'-DDD							
4,4'-DDE							
4,4'-DDT							
ALDRIN							
ALPHA-CHLORDANE							
AROCLOR-1016	UG/L						0.51UY
AROCLOR-1221	UG/L						0.51UY
AROCLOR-1232	UG/L						0.51UY
AROCLOR-1242	UG/L						0.51UY
AROCLOR-1248	UG/L						0.51UY
AROCLOR-1254	UG/L						1UY
AROCLOR-1260	UG/L						1UY
BHC-ALPHA							
BHC-BETA							
BHC-DELTA							
BHC-GAMMA(LINDANE)							
DIAZINON							
DIELDRIN							
DIMETHOATE							
DISULFOTON							
ENDOSULFAN I							
ENDOSULFAN II							
ENDOSULFAN SULFATE							
ENDRIN							
ENDRIN ALDEHYDE							
ENDRIN KETONE							

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: PESTICIDES

SAMPLE ID:		10246	10247	10248	10249	10250	10251
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW205	MW206	MW205	MW206	MW199	MW164
SAMPLE DATE:		05/13/1991	05/15/1991	05/21/1991	05/22/1991	05/21/1991	05/30/1991
SAMPLE TIME:		10:20	14:30	14:30	09:45	11:15	08:30
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
0,0,0-TRIETHYL PHOSPHOROTHIOAT							
2(2,4,5-TRICHLOROPHENOXY)PROPIONIC A							
2,4,5-TRICHLOROPHENOXYACETIC ACID							
2,4-DICHLOROPHENOXY ACETIC ACID							
4,4'-DDD	UG/L						0.1UY
4,4'-DDE	UG/L						0.1UY
4,4'-DDT	UG/L						0.02DYJ
ALDRIN	UG/L						0.05UY
ALPHA-CHLORDANE	UG/L						0.5UY
AROCLOR-1016	UG/L						0.5UY
AROCLOR-1221	UG/L						0.5UY
AROCLOR-1232	UG/L						0.5UY
AROCLOR-1242	UG/L						0.5UY
AROCLOR-1248	UG/L						0.5UY
AROCLOR-1254	UG/L						1UY
AROCLOR-1260	UG/L						1UY
BHC-ALPHA	UG/L						0.05UY
BHC-BETA	UG/L						0.05UY
BHC-DELTA	UG/L						0.05UY
BHC-GAMMA(LINDANE)	UG/L						0.05UY
DIAZINON							
DIELDRIN	UG/L						0.1UY
DIMETHOATE							
DISULFOTON							
ENDOSULFAN I	UG/L						0.05UY
ENDOSULFAN II	UG/L						0.1UY
ENDOSULFAN SULFATE	UG/L						0.1UY
ENDRIN	UG/L						0.1UY
ENDRIN ALDEHYDE							
ENDRIN KETONE	UG/L						0.1UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: PESTICIDES

SAMPLE ID:		10246	10247	10248	10249	10250	10251
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		MW205	MW206	MW205	MW206	MW199	MW164
SAMPLE DATE:		05/13/1991	05/15/1991	05/21/1991	05/22/1991	05/21/1991	05/30/1991
SAMPLE TIME:		10:20	14:30	14:30	09:45	11:15	08:30
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
ETHYL PARATHION							
FAMPHUR (FAMOPHOS)							
GAMMA-CHLORDANE	UG/L						0.5UY
HEPTACHLOR	UG/L						0.05UY
HEPTACHLOR EPOXIDE	UG/L						0.05UY
ISODRIN							
KEPONE							
METHOXYCHLOR	UG/L						0.5UY
METHYL PARATHION							
PARATHION							
PHORATE							
SULFOTEPP							
THIONAZIN (ZINOPHOS)							
TOXAPHENE	UG/L						1UY

Data Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:		10092	10092	10093	10094	10095	10096
SUB-SAMPLE ID:		00000	DUP	00000	00000	DUP	00000
STATION ID:		MW084	MW084	MW085	MW086	MW086	MW087
SAMPLE DATE:		03/19/1991	03/19/1991	03/12/1991	03/19/1991	03/19/1991	03/20/1991
SAMPLE TIME:		15:20	15:20	16:00	11:00	11:30	12:00
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
2,3,7,8-TETRACHLORODIBENZO-p-DIOXIN	UG/L		0.048DN	0.0001UY	0.0002UY		0.0001UY
2,3,7,8-TETRACHLORODIBENZOFURAN	UG/L		0.033DN	0.0001UY	0.0002UY		0.0001UY
TOTAL-HEPTACHLORODIBENZO-p-DIOXIN	UG/L		0.0003UN	0.0006UY	0.0003UY		0.0005UY
TOTAL-HEPTACHLORODIBENZOFURAN	UG/L		0.001DN	0.0005UY	0.0005UY		0.0006UY
TOTAL-HEXACHLORODIBENZO-p-DIOXIN	UG/L		0.06DN	0.0002UY	0.0002UY		0.0002UY
TOTAL-HEXACHLORODIBENZOFURAN	UG/L		0.046DN	0.0001UY	0.0001UY		0.0001UY
TOTAL-OCTACHLORODIBENZO-p-DIOXIN	UG/L		0.058DN	0.0002UY	0.0001UY		0.0001UY
TOTAL-OCTACHLORODIBENZOFURAN	UG/L		0.065DN	0.0002UY	0.0001UY		0.0001UY
TOTAL-PENTACHLORODIBENZO-p-DIOXIN	UG/L		0.0002UN	0.0005UY	0.0006UY		0.0005UY
TOTAL-PENTACHLORODIBENZOFURAN	UG/L		0.0001UN	0.0002UY	0.0002UY		0.0003UY
TOTAL-TETRACHLORODIBENZO-p-DIOXIN	UG/L		0.048DN	0.0001UY	0.0002UY		0.0001UY
TOTAL-TETRACHLORODIBENZOFURAN	UG/L		0.033DN	0.0001UY	0.0002UY		0.0001UY

Data Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:		10097	10098	10099	10100	10100	10101
SUB-SAMPLE ID:		00000	DUP	00000	00000	RE	00000
STATION ID:		MW088	MW088	MW089	MW090	MW090	MW091
SAMPLE DATE:		03/20/1991	03/20/1991	03/20/1991	03/21/1991	03/21/1991	03/21/1991
SAMPLE TIME:		15:45	16:00	15:00	09:45	09:45	10:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
2,3,7,8-TETRACHLORODIBENZO-p-DIOXIN	UG/L	0.0002UY		0.0001UY	0.0001UY		0.0002UY
2,3,7,8-TETRACHLORODIBENZOFURAN	UG/L	0.0003UY		0.0001UY	0.0001UY		0.0003UY
TOTAL-HEPTACHLORODIBENZO-p-DIOXIN	UG/L	0.0014UY		0.0004UY	0.0003UY		0.0002UY
TOTAL-HEPTACHLORODIBENZOFURAN	UG/L	0.0003UY		0.0004UY	0.0005UY		0.0004UY
TOTAL-HEXACHLORODIBENZO-p-DIOXIN	UG/L	0.0005UY		0.0009UY	0.0002UY		0.0002UY
TOTAL-HEXACHLORODIBENZOFURAN	UG/L	0.0002UY		0.0003UY	0.0001UY		0.0001UY
TOTAL-OCTACHLORODIBENZO-p-DIOXIN	UG/L	0.0005UY		0.0002UY	0.0001UY		0.0001UY
TOTAL-OCTACHLORODIBENZOFURAN	UG/L	0.0002UY		0.0002UY	0.0001UY		0.0001UY
TOTAL-PENTACHLORODIBENZO-p-DIOXIN	UG/L	0.001UY		0.0005UY	0.0004UY		0.0001UY
TOTAL-PENTACHLORODIBENZOFURAN	UG/L	0.0004UY		0.0001UY	0.0002UY		0.0001UY
TOTAL-TETRACHLORODIBENZO-p-DIOXIN	UG/L	0.0002UY		0.0001UY	0.0001UY		0.0002UY
TOTAL-TETRACHLORODIBENZOFURAN	UG/L	0.0003UY		0.0001UY	0.0001UY		0.0003UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: DIOXINS/FURANS

SAMPLE ID:		10102	10102	10103	10104	10105	10105
SUB-SAMPLE ID:		00000	RE	00000	DUP	00000	RE
STATION ID:		MW092	MW092	MW093	MW093	MW094	MW094
SAMPLE DATE:		03/21/1991	03/21/1991	03/22/1991	03/22/1991	03/21/1991	03/21/1991
SAMPLE TIME:		10:45	10:45	13:40	13:50	16:30	16:30
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
2,3,7,8-TETRACHLORODIBENZO-p-DIOXIN	UG/L	0.0001UY		0.0001UY		0.0001UY	
2,3,7,8-TETRACHLORODIBENZOFURAN	UG/L	0.0001UY		0.0003UY		0.0001UY	
TOTAL-HEPTACHLORODIBENZO-p-DIOXIN	UG/L	0.0003UY		0.0002UY		0.0002UY	
TOTAL-HEPTACHLORODIBENZOFURAN	UG/L	0.0001UY		0.0001UY		0.0001UY	
TOTAL-HEXACHLORODIBENZO-p-DIOXIN	UG/L	0.0002UY		0.0002UY		0.0002UY	
TOTAL-HEXACHLORODIBENZOFURAN	UG/L	0.0001UY		0.0001UY		0.0001UY	
TOTAL-OCTACHLORODIBENZO-p-DIOXIN	UG/L	0.0001UY		0.0001UY		0.0001UY	
TOTAL-OCTACHLORODIBENZOFURAN	UG/L	0.0001UY		0.0001UY		0.0001UY	
TOTAL-PENTACHLORODIBENZO-p-DIOXIN	UG/L	0.0003UY		0.0007UY		0.0004UY	
TOTAL-PENTACHLORODIBENZOFURAN	UG/L	0.0002UY		0.0003UY		0.0002UY	
TOTAL-TETRACHLORODIBENZO-p-DIOXIN	UG/L	0.0001UY		0.0001UY		0.0001UY	
TOTAL-TETRACHLORODIBENZOFURAN	UG/L	0.0001UY		0.0003UY		0.0001UY	

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: DIOXINS/FURANS

SAMPLE ID:		10106	10106	10107	10108	10109	10110
SUB-SAMPLE ID:		00000	RE	00000	00000	00000	00000
STATION ID:		MW095	MW095	MW120	MW130	MW131	MW129
SAMPLE DATE:		03/21/1991	03/21/1991	02/28/1991	02/28/1991	02/28/1991	02/28/1991
SAMPLE TIME:		16:25	16:25	09:45	10:05	09:15	10:45
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
2,3,7,8-TETRACHLORODIBENZO-p-DIOXIN	UG/L	0.0001UY					
2,3,7,8-TETRACHLORODIBENZOFURAN	UG/L	0.0001UY					
TOTAL-HEPTACHLORODIBENZO-p-DIOXIN	UG/L	0.0004UY					
TOTAL-HEPTACHLORODIBENZOFURAN	UG/L	0.0003UY					
TOTAL-HEXACHLORODIBENZO-p-DIOXIN	UG/L	0.0002UY					
TOTAL-HEXACHLORODIBENZOFURAN	UG/L	0.0001UY					
TOTAL-OCTACHLORODIBENZO-p-DIOXIN	UG/L	0.0001UY					
TOTAL-OCTACHLORODIBENZOFURAN	UG/L	0.0001UY					
TOTAL-PENTACHLORODIBENZO-p-DIOXIN	UG/L	0.0003UY					
TOTAL-PENTACHLORODIBENZOFURAN	UG/L	0.0001UY					
TOTAL-TETRACHLORODIBENZO-p-DIOXIN	UG/L	0.0001UY					
TOTAL-TETRACHLORODIBENZOFURAN	UG/L	0.0001UY					

Data Format: value + detected flag + validated flag + qualifiers

APPENDIX 4A-2
Groundwater: Inorganics

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: INORGANICS

SAMPLE ID:	10001	10001	10002	10002	10003	10003
SUB-SAMPLE ID:	00000	DIS	00000	DIS	00000	DIS
STATION ID:	MW121	MW121	MW123	MW123	MW125	MW125
SAMPLE DATE:	03/25/1991	03/25/1991	03/20/1991	03/20/1991	03/20/1991	03/20/1991
SAMPLE TIME:	14:30	14:30	09:15	09:15	14:45	14:45
SAMPLE MATRIX:	GW	GW	GW	GW	GW	GW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
ALUMINUM UG/L	35400DYBN*J	77UYN*	8370DY	150DYB	231DY	19.5UY
ANTIMONY UG/L	19UY	23.6UYJB	18.2UY	18.2UY	9.2UY	9.2UY
ARSENIC UG/L	7.5DYB	2UY	0.9UYR	0.9UYN	9.9UYUJ	6.5UY
BARIUM UG/L	592DY	154DYB	404DY	330DY	185DYB	182DYB
BERYLLIUM UG/L	10.3DY	1UY	0.6UY	0.6UY	0.2DYB	0.2UY
CADMIUM UG/L	4.1DYB	4UY	2.7UY	2.7UY	0.6UY	0.6UY
CALCIUM UG/L	28800DY	15200DY	25800DY	24100DY	25100DY	23500DY
CHROMIUM UG/L	45.6DYN*J	3UYN*J	15.4DY	6.9UY	31.7DY	17.2DY
COBALT UG/L	112DY	4UY	12.3DYB	3UY	2UY	2UY
COPPER UG/L	122DYJ	7UY	11.2DYB	2.5UY	1.4DYB	0.9UY
CYANIDE UG/L	5UY		20UY		3UY	
IRON UG/L	157000DYN*J	10700DYN*J	21600DYJ	315DY*	447DYJ	4.5DYB
LEAD UG/L	91DYNJ	2UYNW	7.2DY	1.8DYB	0.6UY	0.6UY
MAGNESIUM UG/L	17900DY	5610DY	10300DY	9600DY	7590DY	7620DY
MANGANESE UG/L	3530DY*	963DY*	1510DY	1300DY	220DY	212DY
MERCURY UG/L	0.2UY	0.2UY	0.2UY	0.2UY	0.1UY	0.1UY
NICKEL UG/L	118DY	7UY	11.2DYB	3.9UY	13.8DYB	12DYB
POTASSIUM UG/L	19300DY	9910DY	6240DY	5410DY	6790DY	5510DY
SELENIUM UG/L	3.3DYB	1UY	1.1UYN	1.1UYN	1.3DYB	0.79DYB
SILICA						
SILICON UG/L			19500DY	7810DY		
SILVER UG/L	35.8DYJ	4UY	3.8UY	3.8UY	1.6UY	1.6UY
SODIUM UG/L	16800DY	17000DY	83100DY	32600DY	34300DY	33700DY
THALLIUM UG/L	5UYWJ	5UYW	1.4UYNW	1.4UYNW	0.8DYB	0.7UY
TIN						
VANADIUM UG/L	179DYJ	8UY	22.2DYB	2UY	2DYB	1UY
ZINC UG/L	545DY	4.3DYJB	40.8UYUJ	11.8UYUJ	6.7UYUJ	5.3UYUJ

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: INORGANICS

SAMPLE ID:	10004	10004	10005	10005	10006	10006
SUB-SAMPLE ID:	00000	DIS	00000	DIS	00000	DIS
STATION ID:	MW127	MW127	MW122	MW122	MW124	MW124
SAMPLE DATE:	03/20/1991	03/20/1991	03/11/1991	03/11/1991	03/25/1991	03/25/1991
SAMPLE TIME:	09:35	09:35	15:15	15:15	09:10	09:10
SAMPLE MATRIX:	GW	GW	GW	GW	GW	GW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
ALUMINUM UG/L	42.1DYB	20.2DYB	114DYJ	19.5UY	77UYN*	77UYN*
ANTIMONY UG/L	9.2UY	10.1DYB	9.2UY	9.2UY	26.3UYJB	29.9UYJB
ARSENIC UG/L	0.6UYUJ	7.5UYUJ	7.8DYB	6.5UY	2UY	2UY
BARIUM UG/L	1250DY	1010DY	308DY	307DY	361DY	386DY
BERYLLIUM UG/L	0.2UY	0.2UY	0.42UYUJ	0.21UYUJ	1UY	1UY
CADMIUM UG/L	0.6UY	0.6UY	0.6UY	0.6UY	4UY	4UY
CALCIUM UG/L	123000DY	117000DY	25600DY	25300DY	32200DY	33800DY
CHROMIUM UG/L	1.3UY	1.3UY	7.2UYUJ	1.3UY	5.8UYBN*J	4.8UYBN*J
COBALT UG/L	2.6DYB	7.7DYB	2UY	2.3UYUJ	12.1DYB	9.6DYB
COPPER UG/L	0.9UY	0.9UY	2.1DYB	0.9UY	7UY	7UY
CYANIDE UG/L	3UY		3UY		5UY	
IRON UG/L	192DYJ	2160DY	3590DY	2800DY	37UYN*R	37UYN*R
LEAD UG/L	0.6UY	0.6UY	0.9UYUJ	0.6UY	2DYNWJ	2UYN
MAGNESIUM UG/L	45700DY	44900DY	6260DY	6250DY	11700DY	12200DY
MANGANESE UG/L	70.3DY	161DY	468DY	454DY	1180DY*	1200DY*
MERCURY UG/L	0.1UY	0.1UY	0.1UY	0.1UY	0.2UY	0.2UY
NICKEL UG/L	104DY	658DY	7.7DYB	3.5DYB	7UY	7.4DYB
POTASSIUM UG/L	3590DYB	2770DYB	12700DY	12200DY	18700DY	18400DY
SELENIUM UG/L	0.6UYW	0.6UYW	0.6UYW	0.6UY	6.2DY	6.4DY
SILICA						
SILICON						
SILVER UG/L	1.6UY	1.6UY	1.6UY	1.6UY	4UY	4UY
SODIUM UG/L	172000DY	167000DY	26000DYJ	25900DYJ	42100DY	45600DY
THALLIUM UG/L	0.8DYB	1.1DYB	0.7UY	0.7UY	5UYW	5UYW
TIN						
VANADIUM UG/L	1.2DYB	1.6DYB	1DYB	1UY	9.7DYJB	8UY
ZINC UG/L	49.7DY	346DY	8.8DYB	3.2UYUJ	5.3DYB	5.4DYJB

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: INORGANICS

SAMPLE ID:	10007	10007	10008	10008	10009	10009
SUB-SAMPLE ID:	00000	DIS	00000	DIS	00000	DIS
STATION ID:	MW126	MW126	MW128	MW128	MW140	MW140
SAMPLE DATE:	03/11/1991	03/11/1991	03/11/1991	03/11/1991	03/14/1991	03/14/1991
SAMPLE TIME:	10:20	10:20	11:25	11:25	11:30	11:30
SAMPLE MATRIX:	GW	GW	GW	GW	GW	GW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
ALUMINUM UG/L	19.5UY	19.5UY	8800DYJ	8650DYJ	28.7DYJ	19.5UY
ANTIMONY UG/L	9.2UY	9.2UY	7.5UY	7.5UY	9.2UY	9.2UY
ARSENIC UG/L	6.5UY	6.5UY	1.8UYN	1.8UYN	6.5UY	6.5UY
BARIUM UG/L	191DYB	186DYB	238DY	229DY	144DYB	91.6DYB
BERYLLIUM UG/L	0.42UYUJ	0.42UYUJ	0.5UY	0.5UY	0.2UYUJ	0.2UY
CADMIUM UG/L	0.6UY	0.6UY	3.4UY	3.4UY	0.6UY	0.6UY
CALCIUM UG/L	21200DY	20400DY	33400DYJ	27500DYE	21800DY	14400DY
CHROMIUM UG/L	30.9DY	6.6UYUJ	15.3DY	11.7DY	1.3UY	1.3UY
COBALT UG/L	5.3UYUJ	5.5UYUJ	4.9DYB	3.4UY	2.1DYJ	2UY
COPPER UG/L	0.9UY	0.9UY	2.9UY	8.3UYUJ	1.8UYUJ	0.9UY
CYANIDE UG/L	6.4DYJ		0.02UY		3UY	
IRON UG/L	236DY	51.6DYB	6420DYJ	6580DYE	11800DY	10200DY
LEAD UG/L	8.5DY	0.6UY	3.1DY*	3.1DYJ	1.6UYUJ	0.6UY
MAGNESIUM UG/L	8520DY	8120DY	11900DY	10100DY	7640DY	6640DY
MANGANESE UG/L	148DY	130DY	66.2DYJ	59.1DYE	788DY	646DY
MERCURY UG/L	0.1UY	0.1UY	0.4UY	0.2UY	0.1UY	0.1UY
NICKEL UG/L	55.8DY	43.1DY	10.3DYB	6DYB	3.5UY	4.1UYUJ
POTASSIUM UG/L	5690DY	4870DYB	2760DYB	1870DYB	21100DY	16400DY
SELENIUM UG/L	4.2DY	3.9DYB	12.6DYJ	11.9DYJ	0.6UY	0.6UY
SILICA						
SILICON						
SILVER UG/L	1.6UY	1.6UY	2.9UY	2.9UY	1.6UY	1.6UY
SODIUM UG/L	44100DYJ	43900DYJ	53000DY	50200DY	40300DY	38900DY
THALLIUM UG/L	0.7UYW	0.7UYW	2.4UYNW	2.4UYNW	0.7UYW	0.7UYW
TIN						
VANADIUM UG/L	1UY	1UY	11.6DYB	11DYB	1UY	1UY
ZINC UG/L	5.2UYUJ	4.7UYUJ	19DYB	13DYB	11.9UYUJ	9.4UYUJ

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: INORGANICS

SAMPLE ID:	10010	10010	10011	10011	10012	10012
SUB-SAMPLE ID:	DUP	DUPDI	00000	DIS	00000	DIS
STATION ID:	MW140	MW140	MW141	MW141	MW142	MW142
SAMPLE DATE:	03/14/1991	03/14/1991	03/13/1991	03/13/1991	03/14/1991	03/14/1991
SAMPLE TIME:	11:30	11:30	15:00	15:00	08:15	08:15
SAMPLE MATRIX:	GW	GW	GW	GW	GW	GW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
ALUMINUM UG/L	19.5UY	19.5UY	19.5UY	19.5UY	99.8DYJ	19.5UY
ANTIMONY UG/L	9.2UY	9.2UY	9.2UY	9.2UY	9.2UY	9.2UY
ARSENIC UG/L	6.5UY	6.5UY	6.5UY	9.9DYB	6.5UY	6.5UY
BARIUM UG/L	137DYB	92.3DYB	101DYB	101DYB	172DYB	175DYB
BERYLLIUM UG/L	0.2UY	0.2UY	0.31DYUJ	0.21UYUJ	0.3UYUJ	0.2UY
CADMIUM UG/L	0.6UY	0.6UY	0.6UY	0.6UY	0.6UY	0.6UY
CALCIUM UG/L	21800DY	14100DY	23400DY	23300DY	22600DY	23100DY
CHROMIUM UG/L	1.3UY	1.3UY	2.8DYB	1.3UY	19DY	1.3UY
COBALT UG/L	3DYJ	2UY	2UY	2UY	2UY	2UY
COPPER UG/L	2.3UYUJ	0.9UY	0.9UY	0.9UY	0.9UY	1.5UYUJ
CYANIDE UG/L	3UY		3UY		3UY	
IRON UG/L	11700DY	9970DY	82.2DYB	4.5UY	1100DY	10.7UYUJ
LEAD UG/L	1.4UYUJ	0.6UY	0.6UY	0.6UY	0.6UY	0.6UY
MAGNESIUM UG/L	7640DY	6560DY	10200DY	10200DY	9400DY	9640DY
MANGANESE UG/L	781DY	630DY	68.3DY	63.6DY	26DY	24.8DY
MERCURY UG/L	0.1UY	0.1UY	0.1UY	0.1UY	0.1UY	0.1UY
NICKEL UG/L	5.1UYUJ	9.5UYUJ	18.9DYB	12.9DYB	8.6UYUJ	7.6UYUJ
POTASSIUM UG/L	19500DY	16600DY	7190DY	6620DY	1680UYUJ	1640UYUJ
SELENIUM UG/L	0.6UY	0.6UY	1.2DYB	1.4DYB	1DYB	0.8DYB
SILICA						
SILICON						
SILVER UG/L	1.6UY	1.6UY	1.6UY	1.6UY	1.6UY	1.6UY
SODIUM UG/L	40900DY	39800DY	54800DYJ	54100DYJ	34200DY	34400DY
THALLIUM UG/L	0.7UYW	0.7UYW	0.7UY	0.7UY	0.7UYW	0.7UYW
TIN						
VANADIUM UG/L	1UY	1UY	1UY	1UY	1DYJ	1UY
ZINC UG/L	11.3UYUJ	8.8UYUJ	5.1UYUJ	4.7UYUJ	4.5UYUJ	4.8UYUJ

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: INORGANICS

SAMPLE ID:	10013	10013	10014	10014	10015	10015
SUB-SAMPLE ID:	00000	DIS	00000	DIS	00000	DIS
STATION ID:	MW143	MW143	MW133	MW133	MW135	MW135
SAMPLE DATE:	03/13/1991	03/13/1991	03/01/1991	03/01/1991	03/01/1991	03/01/1991
SAMPLE TIME:	14:15	14:15	15:30	15:30	10:00	10:00
SAMPLE MATRIX:	GW	GW	GW	GW	GW	GW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
ALUMINUM UG/L	39.4DYJ	19.5UY	37.8DYJ	23.9DYB	410DYJ	19.5UY
ANTIMONY UG/L	9.2UY	9.2UY	9.2UY	21.2DYB	9.2UY	10.3DYB
ARSENIC UG/L	6.5UY	6.5UY	6.5UY	6.5UY	6.5UY	6.5UY
BARIUM UG/L	110DYB	110DYB	155DYJ	150DYJ	146DYJ	137DYJ
BERYLLIUM UG/L	0.32UYUJ	0.42UYUJ	0.2UY	0.2UY	0.2UY	0.2UY
CADMIUM UG/L	0.6UY	0.6UY	0.6UY	0.6UY	0.6UY	0.6UY
CALCIUM UG/L	23200DY	22500DY	49900DY	49400DY	31800DY	30900DY
CHROMIUM UG/L	1.3UY	1.3UY	1.3UY	1.3UY	2.2DYB	1.3UY
COBALT UG/L	2.3UYUJ	2UY	9.7DYB	10.6UYUJ	3.8DYB	3.8UYUJ
COPPER UG/L	0.9UY	0.9UY	1.3DYB	2.1DYB	1.9DYB	1.5DYB
CYANIDE UG/L	3UY		9DYJ		5.4DYJ	
IRON UG/L	81DYB	4.5UY	1660DYJ	1620DY	1760DYJ	11.2UYUJ
LEAD UG/L	0.6UY	0.6UY	0.6UY	0.6UY	0.6UY	0.6UY
MAGNESIUM UG/L	9480DY	9180DY	14900DY	14600DY	9270DY	8920DY
MANGANESE UG/L	290DY	247DY	1190DY	1210DY	232DY	215DY
MERCURY UG/L	0.1UY	0.1UY	0.1UYN	0.1UYN	0.1UYN	0.1UYN
NICKEL UG/L	8.2DYB	6.9DYB	10.5UYUJ	9.1UYUJ	3.5UY	3.5UY
POTASSIUM UG/L	1950DYB	1910DYB	3830DYB	4110DYB	3020DYB	2600DYB
SELENIUM UG/L	0.6UY	0.6UY	0.6UY	0.6UY	1.4DYB	1.4DYB
SILICA						
SILICON						
SILVER UG/L	1.6UY	1.6UY	1.6UY	1.6UY	1.6UY	1.6UY
SODIUM UG/L	12800DYJ	12100DYJ	23000DY	22000DY	32200DY	30200DY
THALLIUM UG/L	0.7UY	0.7UY	0.7UYUJ	1.1UYUJ	0.7UY	0.7UY
TIN						
VANADIUM UG/L	1UY	1UY	1.2DYB	1UY	1.9DYB	1UY
ZINC UG/L	10.8DYB	8.9DYB	6.9DYB	8.2DYB	6.8DYB	2.5UYUJ

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: INORGANICS

SAMPLE ID:	10016	10016	10017	10017	10018	10018
SUB-SAMPLE ID:	00000	DIS	00000	DIS	00000	DIS
STATION ID:	MW137	MW137	MW138	MW138	MW132	MW132
SAMPLE DATE:	03/01/1991	03/01/1991	03/13/1991	03/13/1991	03/18/1991	03/18/1991
SAMPLE TIME:	15:45	15:45	09:45	09:45	11:00	11:00
SAMPLE MATRIX:	GW	GW	GW	GW	GW	GW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
ALUMINUM UG/L	76.1DYJ	19.5UY	172DYJ	19.5UY	20.5DYB	19.5UY
ANTIMONY UG/L	9.2UY	9.2UY	9.2UY	9.2UY	9.2UY	9.2UY
ARSENIC UG/L	6.5UY	6.5UY	6.5UY	6.5UY	6.5UY	6.5UY
BARIUM UG/L	166DYJ	157DYJ	212DY	204DY	71.7DYB	76.9DYB
BERYLLIUM UG/L	0.2UY	0.2UY	0.42UYUJ	0.42UYUJ	0.39DYB	0.4DYB
CADMIUM UG/L	0.6UY	0.6UY	0.6UY	0.6UY	0.6UY	0.6UY
CALCIUM UG/L	20900DY	20600DY	133000DY	130000DY	34900DY	36500DY
CHROMIUM UG/L	3.5DYB	1.3UY	1.3UY	1.3UY	1.3UY	1.3UY
COBALT UG/L	2UY	2UY	2UY	2UY	2UY	2UY
COPPER UG/L	0.9UY	1.3DYB	0.9UY	0.9UY	0.9UY	0.9UY
CYANIDE UG/L	5.9DYJ		3UY		3UY	
IRON UG/L	235DYJ	7.4UYUJ	343DY	10.4DYB	34.1UYUJ	19.2UYUJ
LEAD UG/L	1UYUJ	0.6UY	1.2DYB	0.6UY	0.9UYUJ	0.9UYUJ
MAGNESIUM UG/L	7850DY	7570DY	8180DY	7930DY	5920DY	6130DY
MANGANESE UG/L	10.2DYB	9.8DYB	137DY	202DY	31.7DY	33.4DY
MERCURY UG/L	0.1UYN	0.1UYN	0.1UY	0.1UY	0.1UY	0.1UY
NICKEL UG/L	5.1UYUJ	7UYUJ	3.5UY	3.5UY	3.5UY	4.4UYUJ
POTASSIUM UG/L	1850DYB	1630DYB	2110DYB	1980DYB	3270DYB	2980DYB
SELENIUM UG/L	1.6DYB	1.6UYUJ	0.6UY	0.6UY	0.6UYW	0.6UYW
SILICA						
SILICON						
SILVER UG/L	1.6UY	1.6UY	1.6UY	1.6UY	1.6UY	1.6UY
SODIUM UG/L	32800DY	32000DY	41300DYJ	37300DYJ	32300DYJ	31700DYJ
THALLIUM UG/L	0.7UY	0.7UY	0.7UY	0.7UY	0.7UY	0.7UY
TIN						
VANADIUM UG/L	1UY	1UY	2.4DYB	1.4DYB	9.1DYB	7.4DYB
ZINC UG/L	1.9UYUJ	3.9UYUJ	4UYUJ	3.4UYUJ	3.4DYB	7.3DYB

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: INORGANICS

SAMPLE ID:		10019	10019	10020	10020	10021	10021
SUB-SAMPLE ID:		00000	DIS	00000	DIS	00000	DIS
STATION ID:		MW132	MW132	MW139	MW139	MW146	MW146
SAMPLE DATE:		03/18/1991	03/18/1991	03/18/1991	03/18/1991	03/15/1991	03/15/1991
SAMPLE TIME:		11:00	11:00	10:00	10:00	08:15	08:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
ALUMINUM	UG/L	32.6DYB	21.6DYB	80DYB	19.5UY	882DY	19.5UY
ANTIMONY	UG/L	9.2UY	9.2UY	9.2UY	9.2UY	9.2UY	9.2UY
ARSENIC	UG/L	8.4UYUJ	6.5UY	6.5UY	8.2UYUJ	6.5UY	10.1DY
BARIUM	UG/L	71.7DYB	80DYB	157DYB	160DYB	131DYB	121DYB
BERYLLIUM	UG/L	0.29DYB	0.29DYB	0.31DYB	0.2DYB	0.41UYUJ	0.21UYUJ
CADMIUM	UG/L	0.6UY	0.6UY	0.6UY	0.6UY	0.6UY	0.6UY
CALCIUM	UG/L	34800DY	38200DY	20300DY	20300DY	24400DY	24300DY
CHROMIUM	UG/L	1.3UY	1.3UY	1.3UY	1.3UY	6.6DYB	1.3UY
COBALT	UG/L	2UY	2UY	3.5DYB	4DYB	4.6DYB	2.6DYJ
COPPER	UG/L	0.9DYJ	0.9UY	0.9UY	0.9UY	3.4UYUJ	3.2UYUJ
CYANIDE	UG/L	3UY		3UY		3UY	
IRON	UG/L	41.9UYUJ	65UYUJ	107UYUJ	8.4UYUJ	8810DY	55.1UYUJ
LEAD	UG/L	1.2UYUJ	0.6UY	1UYUJ	0.8UYUJ	1.5UYUJ	0.6UY
MAGNESIUM	UG/L	5910DY	6400DY	8340DY	8330DY	7330DY	7450DY
MANGANESE	UG/L	31.1DY	35.4DY	85.9DY	86.3DY	221DY	199DY
MERCURY	UG/L	0.1UY	0.1UY	0.1UY	0.1UY	0.1UY	0.1UY
NICKEL	UG/L	3.5UY	3.5UY	5.4UYUJ	3.5UY	13.6UYUJ	6.9UYUJ
POTASSIUM	UG/L	3290DYB	3080DYB	4480DYB	4940DYB	6100DY	5020DY
SELENIUM	UG/L	0.6UYW	0.6UYW	0.6UYW	0.6UYW	0.86DYB	1.4DYB
SILICA							
SILICON							
SILVER	UG/L	1.6UY	1.6UY	1.6UY	1.6UY	1.6UY	1.6UY
SODIUM	UG/L	32900DYJ	32900DYJ	31400DYJ	32100DYJ	27100DY	26700DY
THALLIUM	UG/L	0.7UY	0.7UY	0.8UYUJ	0.7UY	0.7UYW	0.7UYW
TIN							
VANADIUM	UG/L	8.3DYB	8.7DYB	1UY	1UY	4.6DYJ	1UY
ZINC	UG/L	16.6DYB	3.1DYB	5.1DYB	6.5DYB	10.8UYUJ	4.7UYUJ

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: INORGANICS

SAMPLE ID:	10022	10022	10023	10023	10024	10024
SUB-SAMPLE ID:	00000	DIS	00000	DIS	00000	DIS
STATION ID:	MW147	MW147	MW134	MW134	MW144	MW144
SAMPLE DATE:	03/15/1991	03/15/1991	03/18/1991	03/18/1991	03/05/1991	03/05/1991
SAMPLE TIME:	09:15	09:15	16:00	16:00	16:00	16:00
SAMPLE MATRIX:	GW	GW	GW	GW	GW	GW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
ALUMINUM UG/L	193DYB	19.5UY	24.9UYUJ	34.5UYUJ	19.5UY	19.5UY
ANTIMONY UG/L	9.2UY	9.2UY	7.5UY	7.5UY	9.2UY	9.2UY
ARSENIC UG/L	6.5UY	6.5UY	1.8UY	1.8UY	6.5UY	6.5UY
BARIUM UG/L	107DYB	100DYB	156DYB	154DYB	126DYB	124DYB
BERYLLIUM UG/L	0.2UY	0.2UY	0.5UY	0.5UY	0.2UY	0.2UY
CADMIUM UG/L	0.6UY	0.6UY	3.4UY	3.4UY	0.6UY	0.6UY
CALCIUM UG/L	22700DY	22300DY	23600DYJ	22700DYE	48600DY	48300DY
CHROMIUM UG/L	4.8DYB	1.3UY	6.3UY	6.3UY	2UYUJ	1.3UYUJ
COBALT UG/L	2UY	2UY	3.4UY	3.4UY	5.4DYB	3DYJ
COPPER UG/L	0.9UY	3.8UYUJ	2.9UY	2.9UY	0.9UY	0.9UY
CYANIDE UG/L	3UY		0.02UN		3UY	
IRON UG/L	1000DY	49.6UYUJ	61.7UYUJ	51UYUJ	19.6UYUJ	4.5UY
LEAD UG/L	0.7UYUJ	0.6UY	1.4UYW	1.4UYW	86DY	79.5DY
MAGNESIUM UG/L	7980DY	7890DY	7190DYJ	7550DYE	19800DY	19700DY
MANGANESE UG/L	110DY	87.3DY	326DYJ	389DYE	351DY	336DY
MERCURY UG/L	0.1UY	0.1UY	0.2UY	0.2UY	0.1UY	0.1UY
NICKEL UG/L	12.9UYUJ	10.4UYUJ	3.6UY	3.6UY	18.6UYUJ	14.9UYUJ
POTASSIUM UG/L	1710UYUJ	2030UYUJ	5350DY	3960DYB	6600DY	6270DY
SELENIUM UG/L	1.2DYB	1.2DYB	1.3UY	1.3UY	0.81UYUJ	0.96UYUJ
SILICA UG/L			15400DYJ			
SILICON UG/L			7180DYJ			
SILVER UG/L	1.6UY	1.6UY	2.9UY	2.9UY	1.6UY	1.6UY
SODIUM UG/L	30200DY	30400DY	20600DYJ	21000DYE	53800DY	51700DY
THALLIUM UG/L	0.7UYW	0.7UYW	2.4UYNW	2.4UYNW	0.7DYB	0.7UY
TIN						
VANADIUM UG/L	1UY	1.4DYJ	2.6UY	2.6UY	1UY	1UY
ZINC UG/L	21.4DY	4UYUJ	9.5DYB	2.8DYB	6.3UYUJ	6.1UYUJ

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: INORGANICS

SAMPLE ID:	10025	10025	10027	10027	10028	10028
SUB-SAMPLE ID:	00000	DIS	00000	DIS	DUP	DUPDI
STATION ID:	MW145	MW145	MW148	MW148	MW148	MW148
SAMPLE DATE:	03/07/1991	03/07/1991	03/19/1991	03/19/1991	03/19/1991	03/19/1991
SAMPLE TIME:	16:25	16:25	15:00	15:00	15:00	15:00
SAMPLE MATRIX:	GW	GW	GW	GW	GW	GW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
ALUMINUM UG/L	111DYB	22.3DYB	634DY	19.5UY	573DY	19.5UY
ANTIMONY UG/L	9.2UY	10.3DYJ	9.2UY	9.2UY	9.2UY	9.2UY
ARSENIC UG/L	1UY	1UY	13.1UYUJ	6.5UY	10.8UYUJ	8.9UYUJ
BARIUM UG/L	438DY	422DY	226DY	209DY	218DY	215DY
BERYLLIUM UG/L	0.4UYUJ	0.4UYUJ	0.3DYB	0.2UY	0.3DYB	0.2DYB
CADMIUM UG/L	0.6UY	0.6UY	0.6UY	0.6UY	0.6UY	0.6UY
CALCIUM UG/L	47600DY	46500DY	35200DY	32400DY	33800DY	33400DY
CHROMIUM UG/L	40.2DY	1.3UY	18.6DY	1.3UY	17DY	1.3UY
COBALT UG/L	2DYB	2UY	2.1DYB	2UY	2UY	2UY
COPPER UG/L	0.9UY	12.7DYB	3.8DYJ	1DYB	3.3DYJ	0.9UY
CYANIDE UG/L	3UY		3UY		3UY	
IRON UG/L	274DY	40.5DYB	6030DY	10.6UYUJ	5640DY	22.8UYUJ
LEAD UG/L	0.6UY	0.6UY	1.6UYUJ	0.6UY	1.4UYUJ	1.1UYUJ
MAGNESIUM UG/L	16900DY	16500DY	10600DY	10300DY	10200DY	10600DY
MANGANESE UG/L	66.8DY	63DY	189DY	149DY	180DY	154DY
MERCURY UG/L	0.1UY	0.1UY	0.1UY	0.1UY	0.1UY	0.1UY
NICKEL UG/L	47.8DY	44.5DY	14UYUJ	8.7UYUJ	9UYUJ	8.2UYUJ
POTASSIUM UG/L	7390DY	6610DY	10400DY	8310DY	9430DY	8520DY
SELENIUM UG/L	1DYB	0.85DYB	0.62DYJ	0.97DYJ	0.6UYW	0.6UYW
SILICA						
SILICON						
SILVER UG/L	2.8UYUJ	2.6UYUJ	1.6UY	1.6UY	1.6UY	1.6UY
SODIUM UG/L	37400DY	35200DY	38500DYJ	36700DYJ	36500DYJ	37600DYJ
THALLIUM UG/L	0.7UY	0.7UY	0.7UYW	0.7UYW	0.7UYW	0.7UYW
TIN						
VANADIUM UG/L	1.6DYJ	1.9DYJ	3DYB	1UY	3.6DYB	1UY
ZINC UG/L	5.4UYUJ	6.5DYJ	310DY	5.9DYB	50.5DY	12.4DYB

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: INORGANICS

SAMPLE ID:		10029	10029	10030	10030	10031	10031
SUB-SAMPLE ID:		00000	DIS	00000	DIS	00000	DIS
STATION ID:		MW149	MW149	MW150	MW150	MW151	MW151
SAMPLE DATE:		03/19/1991	03/19/1991	03/21/1991	03/21/1991	03/22/1991	03/22/1991
SAMPLE TIME:		14:25	14:25	14:35	14:35	13:15	13:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
ALUMINUM	UG/L	2090DY	1490DY	370DY	24DYB	109DYB	19.5UY
ANTIMONY	UG/L	9.2UY	9.2UY	9.2UY	9.2UY	9.2UY	11.9UYUJ
ARSENIC	UG/L	15UYUJ	16.5UYUJ	6.5UY	15UYUJ	6.5UY	6.5UY
BARIUM	UG/L	140DYB	96DYB	210DY	195DYB	111DYB	99.3DYB
BERYLLIUM	UG/L	0.2UY	0.2UY	0.2UY	0.2UY	0.2UY	0.2UY
CADMIUM	UG/L	0.6UY	0.6UY	0.6UY	0.6UY	0.6UY	0.6UY
CALCIUM	UG/L	45900DY	30100DY	38700DY	38100DY	17500DY	17100DY
CHROMIUM	UG/L	46.2DY	16.8DY	13.2DY	1.3UY	3.9DYB	1.3UY
COBALT	UG/L	2UY	2UY	4.6DYB	2UY	2UY	2UY
COPPER	UG/L	2.6DYB	1DYB	0.9UY	0.9UY	1.4DYB	0.98DYB
CYANIDE	UG/L	3UY		3UY		3UY	
IRON	UG/L	347DY	7.1UYUJ	635DYJ	4.5UY	207UYUJ	9.4UYUJ
LEAD	UG/L	1.1UYUJ	0.6UY	0.6UY	0.6UY	0.6UY	0.6UY
MAGNESIUM	UG/L	3270DYB	766DYB	15200DY	15000DY	6080DY	6000DY
MANGANESE	UG/L	3.1DYB	0.3UY	206DY	152DY	124DY	90.3DY
MERCURY	UG/L	0.1UY	0.1UY	0.1UY	0.1UY	0.1UY	0.1UY
NICKEL	UG/L	4.9UYUJ	3.5UY	10.4DYB	5.4DYJ	3.5UY	3.5UY
POTASSIUM	UG/L	56700DY	52100DY	1990DYB	1980DYB	1250DYB	1510DYB
SELENIUM	UG/L	1.8DYJ	1.2DYJ	2.8DYJ	2.3DYB	5.8DYS	6.9DYS
SILICA							
SILICON							
SILVER	UG/L	1.6UY	1.6UY	1.6UY	1.6UY	1.6UY	1.6UY
SODIUM	UG/L	68400DYJ	67600DYJ	68500DY	68000DY	61000DY	67600DY
THALLIUM	UG/L	0.7UYW	0.7UYW	0.7UY	0.7UY	0.7UY	0.7UY
TIN							
VANADIUM	UG/L	33.2DYB	48.3DYB	4.7DYB	1.3DYB	1UY	1UYUJ
ZINC	UG/L	23.8DY	2.4UYUJ	5.2UYUJ	3.2UYUJ	7UYUJ	2.3UYUJ

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: INORGANICS

SAMPLE ID:	10032	10032	10033	10033	10034	10034
SUB-SAMPLE ID:	00000	DIS	00000	DIS	00000	DIS
STATION ID:	MW152	MW152	MW153	MW153	MW154	MW154
SAMPLE DATE:	03/21/1991	03/21/1991	03/21/1991	03/21/1991	04/02/1991	04/02/1991
SAMPLE TIME:	10:15	10:15			15:25	15:25
SAMPLE MATRIX:	GW	GW	GW	GW	GW	GW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
ALUMINUM UG/L	94.3DYB	19.5UY	11200DYJ	64.9DYB*	4210DYJ	77UYE
ANTIMONY UG/L	9.2UY	9.2UY	18.2UYN	18.2UYN	18.2UYN	19UY
ARSENIC UG/L	15.4UYUJ	14.3UYUJ	0.9DYJ	0.9UYN	2.5DYR	2UYN
BARIUM UG/L	167DYB	155DYB	160DYB	89.5DYB	77.4DYJ	66.9DYJBE
BERYLLIUM UG/L	0.2UY	0.21DYB	0.6UY	0.6UY	0.6UY	1UY
CADMIUM UG/L	0.6UY	0.6UY	2.7UY	2.7UY	2.7UY	4UY
CALCIUM UG/L	23500DY	23200DY	110000DY*	108000DYJ	30100DYJ	30600DYJE
CHROMIUM UG/L	1.3UY	1.3UY	92.5DY	6.9UY	14.2DYJ	3UY
COBALT UG/L	2UY	2UY	11.3DYB	3UY	3UY	4UY
COPPER UG/L	0.9UY	0.9UY	22.5DYB	2.5UY	7.6UYUJ	7UYN
CYANIDE UG/L	3UY		10UY		10UY	
IRON UG/L	959DYJ	4.5UY	29100DY	62.1UYUJ	4310DYJ	64.2DYJBE
LEAD UG/L	0.6UY	0.6UY	6.2DY	1.2DYB	7.2DY	6.2DYJNW
MAGNESIUM UG/L	8410DY	8280DY	36100DY	36500DY	11100DYJ	11200DYJE
MANGANESE UG/L	60.3DY	2.8DYB	143DY*	14.3DYJ	177DYJ	39.8DYJNE
MERCURY UG/L	0.1UY	0.1UY	0.2UY	0.2UY	0.2UY	0.2UY
NICKEL UG/L	3.5UY	3.5UY	64DY	3.9UY	5.9DYJ	7UY
POTASSIUM UG/L	1750DYB	1770DYB	8580DY	6040DY	1320DYJ	1540DYB
SELENIUM UG/L	1.3DYB	1.1DYB	2.9DYJ	2.3DYBN	1.1DYR	1UYN
SILICA						
SILICON						
SILVER UG/L	1.6UY	1.6UY	3.8UY	3.8UY	38UYN	4UY
SODIUM UG/L	31100DY	30100DY	68800DY*	70600DYJ	54500DYJ	62800DYJE
THALLIUM UG/L	0.7UY	0.7UY	1.4UYWN	1.4UYN	1.4UYN	5UYN
TIN						
VANADIUM UG/L	1UY	1UY	31.3DYB	2UY	4.4DYJ	9.6DYB
ZINC UG/L	3.2UYUJ	2.2UYUJ	37.4UYUJ	16.9UYUJ	46.7DYJ	56DY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: INORGANICS

SAMPLE ID:		10036	10037	10038	10039	10040	10041
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		RW297	RW004	RW005	RW009	RW014	RW017
SAMPLE DATE:		03/15/1991	03/04/1991	03/07/1991	03/04/1991	03/04/1991	03/08/1991
SAMPLE TIME:		15:15	09:40	09:00	15:00	13:37	14:30
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
ALUMINUM	UG/L	12500DY	19.5UY	34.6DYB	19.5UY	19.5UY	19.5UY
ANTIMONY	UG/L	7.5UY	9.2UY	9.3DYJ	9.2UY	9.2UY	9.2UY
ARSENIC	UG/L	4.3DYJB	9.7DYB	1UY	6.5UY	6.5UY	1UY
BARIUM	UG/L	206DY	144DYB	91.7DYB	488DY	105DYB	126DYB
BERYLLIUM	UG/L	0.8DYB	0.2UY	0.3UYUJ	0.2UY	0.2UY	0.3UYUJ
CADMIUM	UG/L	3.4UY	0.74DYJ	0.6UY	0.6UY	0.6UY	0.6UY
CALCIUM	UG/L	13000DY	22600DY	16100DY	15500DY	12700DY	22400DY
CHROMIUM	UG/L	19.8DY	1.3UY	1.3UY	1.3UY	2.2UYUJ	1.3UY
COBALT	UG/L	12.4DYB	2UY	2UY	2UY	2UY	2UY
COPPER	UG/L	64.3DY	33.9DY	38.5DY	21.3DYB	25.9DY	2DYJ
CYANIDE	UG/L	10UY	8.5DYJ	3UY	3.9DYJ	3.9DYJ	3UY
IRON	UG/L	13200DY	4390DY	4010DY	3540DY	16.6UYUJ	133DY
LEAD	UG/L	97DY	6.3DY	5.8DY	1.9DYB	1.9DYB	1.2DYB
MAGNESIUM	UG/L	6440DY	9210DY	6670DY	5820DY	5180DY	8700DY
MANGANESE	UG/L	767DY	31.2DY	33.5DY	30DY	1.2DYB	3.5DYB
MERCURY	UG/L	0.2UY	0.1UY	0.1UY	0.1UY	0.1UY	0.1UY
NICKEL	UG/L	20.5DYB	5.4UYUJ	3.5UY	3.9UYUJ	5.3UYUJ	3.5UY
POTASSIUM	UG/L	2750DYB	1420DYB	1040UYUJ	1240DYB	783DYB	1600UYUJ
SELENIUM	UG/L	1.4UYJBNW	1.1DYB	0.64DYB	1.8DYJ	1.3DYJ	1.3DYB
SILICA							
SILICON							
SILVER	UG/L	2.9UY	1.6UY	3.1UYUJ	1.6UY	1.6UY	2UYUJ
SODIUM	UG/L	11700DY	28800DY	34700DY	53300DY	50100DY	31400DY
THALLIUM	UG/L	1.4UYNW	0.7UYW	0.7UY	0.7UYW	0.7DYJ	0.7UY
TIN							
VANADIUM	UG/L	21.9DYB	1.3DYJ	1UY	1DYJ	1UY	1UY
ZINC	UG/L	150DYJE	54.4DYJ	522DYJ	455DYJ	65.9DYJ	95DYJ

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: INORGANICS

SAMPLE ID:		10042	10043	10044	10045	10046	10047
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	DUP
STATION ID:		RW018	RW021	RW030	RW040	RW053	RW053
SAMPLE DATE:		03/04/1991	03/05/1991	03/08/1991	03/08/1991	03/05/1991	03/05/1991
SAMPLE TIME:		11:20	09:45	11:00	09:45	10:45	10:50
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
ALUMINUM	UG/L	19.5UY	120DYB	19.5UY	19.5UY	19.5UY	19.5UY
ANTIMONY	UG/L	9.2UY	9.2UY	9.2UY	9.2UY	9.2UY	9.2UY
ARSENIC	UG/L	6.5UY	6.5UY	1UY	1UY	6.5UY	6.5UY
BARIUM	UG/L	94.8DYB	43.9DYB	133DYB	162DYB	174DYB	167DYB
BERYLLIUM	UG/L	0.2UY	0.2UY	0.41UYUJ	0.3UYUJ	0.2UY	0.2UY
CADMIUM	UG/L	0.6UY	0.6UY	0.6UY	0.6UY	0.6UY	0.6UY
CALCIUM	UG/L	31900DY	100000DY	16700DY	23000DY	25800DY	24700DY
CHROMIUM	UG/L	1.3UY	1.3UY	1.3UY	1.3UY	1.3UY	1.3UY
COBALT	UG/L	2UY	2UY	2DYB	2UY	2UY	2UY
COPPER	UG/L	7.4DYJ	41.8DY	4DYB	22.4DYB	4.5DYJ	4DYJ
CYANIDE	UG/L	3.9DYJ	4.9DYJ	4.4DYJ	3UY	3UY	3.9DYJ
IRON	UG/L	300DY	862DY	8.7UYUJ	4.5UY	14.3UYUJ	7.6UYUJ
LEAD	UG/L	4.7DY	7.6DYS	0.9DYB	1DYB	1DYB	1.3DYB
MAGNESIUM	UG/L	14200DY	37800DY	6240DY	9690DY	10600DY	10200DY
MANGANESE	UG/L	2.4DYB	167DY	2.9DYB	0.38DYB	0.37DYB	0.62DYB
MERCURY	UG/L	0.1UY	0.1UY	0.1UY	0.1UY	0.1UY	0.1UY
NICKEL	UG/L	3.5UY	6.4UYUJ	3.5UY	3.5UY	3.5UY	5.3UYUJ
POTASSIUM	UG/L	1920DYB	1550UYUJ	1720DYB	1530UYUJ	1900DYB	1890DYB
SELENIUM	UG/L	1.8DYJ	0.6UYW	6.8DY	1.4DYB	1.6DYJ	2.1DYJ
SILICA							
SILICON							
SILVER	UG/L	1.6UY	1.6UY	2.6UYUJ	2.5UYUJ	1.6UY	1.6UY
SODIUM	UG/L	39600DY	148000DY	52500DY	30200DY	44700DY	41700DY
THALLIUM	UG/L	0.7UYW	0.7UY	0.7UY	0.7UY	0.7UY	0.7UYW
TIN							
VANADIUM	UG/L	1UY	2.2DYJ	1UY	1UY	1UY	1UY
ZINC	UG/L	6.8DYJ	57.9DY	6.8DYJ	7.8DYJ	6.2DYJ	6.2DYJ

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: INORGANICS

SAMPLE ID:		10048	10049	10050	10051	10052	10052
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	DIS
STATION ID:		RW251	RW252	RW324	RW294	MWD003	MWD003
SAMPLE DATE:		03/15/1991	03/05/1991	03/05/1991	03/04/1991	03/05/1991	03/05/1991
SAMPLE TIME:		08:45	08:15	13:15	14:25	16:45	16:45
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
ALUMINUM	UG/L	1380DY	19.5UY	19.5UY	19.5UY	1340DY	19.5UY
ANTIMONY	UG/L	9.2UY	9.2UY	9.2UY	9.2UY	9.2UY	9.2UY
ARSENIC	UG/L	6.5UY	6.5UY	6.5UY	6.6DYJ	6.9UYUJ	6.5UY
BARIUM	UG/L	35.5DYB	6.3DYB	36.8DYB	51DYB	94.1DYB	68.8DYB
BERYLLIUM	UG/L	0.2UY	0.2UY	0.2UY	0.2UY	0.2UY	0.27DYB
CADMIUM	UG/L	0.6UY	0.6UY	0.6UY	0.6UY	0.6UY	0.6UY
CALCIUM	UG/L	17300DY	16600DY	13000DY	27200DY	12000DY	11900DY
CHROMIUM	UG/L	2UYUJ	2UYUJ	1.3UY	1.9UYUJ	9.1DYB	1.6UYUJ
COBALT	UG/L	2UY	2UY	2UY	2.6DYJ	2.1DYB	2UY
COPPER	UG/L	1.5DYJ	19DYB	2.3DYJ	2.3DYJ	5.4DYJ	0.9UY
CYANIDE	UG/L	3UY	3UY	3UY	3UY	3UY	
IRON	UG/L	2220DY	131DY	28.5DYB	40.6UYUJ	5200DY	5.9UYUJ
LEAD	UG/L	2.4DYB	1DYB	0.7DYB	1.2DYB	2.4DYB	0.6DYB
MAGNESIUM	UG/L	3130DYB	4090DYB	4780DYB	8550DY	5510DY	5390DY
MANGANESE	UG/L	132DY	2.2DYB	0.5DYB	1.4DYB	222DY	9.2DYB
MERCURY	UG/L	0.1UY	0.1UY	0.1UY	0.1UY	0.1UY	0.1UY
NICKEL	UG/L	4.4UYUJ	3.5UY	3.9UYUJ	6.4UYUJ	14.4UYUJ	5.6UYUJ
POTASSIUM	UG/L	1840DYB	1770DYB	991UYUJ	1800DYB	919UYUJ	695UYUJ
SELENIUM	UG/L	0.6UY	0.6UY	0.85DYJ	5.9DYJ	0.6UYW	0.6UYW
SILICA							
SILICON							
SILVER	UG/L	1.6UY	1.6UY	1.6UY	1.6DYB	1.6UY	1.6UY
SODIUM	UG/L	4560DYB	9680DY	36400DY	43700DY	23300DY	22400DY
THALLIUM	UG/L	0.7UY	0.7UY	0.7UY	0.7UYW	0.7UY	0.7UY
TIN							
VANADIUM	UG/L	2.4DYJ	1UY	1UY	2DYB	4.1DYB	1.1DYJ
ZINC	UG/L	10.5UYUJ	146DY	12.8UYUJ	163DYJ	19.6UYUJ	4.9UYUJ

Data Format: value + detected flag + validated flag + qualifiers

MS CHEMICAL OBSERVATIONS MATRIX
OUNDWATER
DUCAH PHASE II
MPLE ANALYSIS: INORGANICS

SAMPLE ID:	10053	10053	10054	10054	10056	10056
SUB-SAMPLE ID:	00000	DIS	00000	DIS	00000	DIS
STATION ID:	MWD004	MWD004	MWD005	MWD005	MWD009	MWD009
SAMPLE DATE:	03/04/1991	03/04/1991	03/05/1991	03/05/1991	03/07/1991	03/07/1991
SAMPLE TIME:	15:30	15:30	09:05	09:05	10:30	10:30
SAMPLE MATRIX:	GW	GW	GW	GW	GW	GW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
ALUMINUM UG/L	401DY	19.5UY	265DY	68.6DYB	1570DY	515DY
ANTIMONY UG/L	9.2UY	9.2UY	9.2UY	9.2UY	24.2DYJ	13.7UYUJ
ARSENIC UG/L	6.5UY	6.5UY	7.3UYUJ	6.5UY	19.3DYS	1UYW
BARIUM UG/L	107DYB	96.6DYB	48.1DYB	45DYB	24DYB	23.6DYB
BERYLLIUM UG/L	0.2UY	0.2UY	0.2UY	0.2UY	2DYB	1.7DYJ
CADMIUM UG/L	0.6UY	0.6UY	0.6UY	0.6UY	1UYUJ	0.84UYUJ
CALCIUM UG/L	14400DY	14000DY	12800DY	12900DY	128000DY	128000DY
CHROMIUM UG/L	3.1UYUJ	1.3UY	1.8UYUJ	1.3UY	35.7DY	1.3UY
COBALT UG/L	3.4DYB	2UY	2UY	2UY	135DY	139DY
COPPER UG/L	0.9UY	0.9UY	0.9UY	0.9UY	7.4DYJ	0.9UY
CYANIDE UG/L	3UY		3.3DYJ		3UY	
IRON UG/L	2240DY	40.8UYUJ	376DY	69.3DYB	50400DY	17800DY
LEAD UG/L	1.3DYB	0.9DYB	0.8DYB	0.9DYB	5.4DYJ	0.6UYW
MAGNESIUM UG/L	6280DY	6050DY	2360DYB	2310DYB	4060DYB	4060DYB
MANGANESE UG/L	86.1DY	42.4DY	84.1DY	80.6DY	9020DY	9170DY
MERCURY UG/L	0.1UY	0.1UY	0.1UY	0.1UY	0.1UY	0.1UY
NICKEL UG/L	7.5UYUJ	4.9UYUJ	6.5UYUJ	5.8UYUJ	43.5DY	48.7DY
POTASSIUM UG/L	1870DYB	1640DYB	2130UYUJ	2140UYUJ	21300DY	20300DY
SELENIUM UG/L	1.3DYJ	1.1DYJ	0.6UYW	0.6UYW	3.3DYJ	3UYW
SILICA						
SILICON						
SILVER UG/L	1.6UY	1.6UY	1.6UY	1.6UY	3.6UYUJ	2.9UYUJ
SODIUM UG/L	31600DY	30900DY	1170DYB	1230DYB	39100DY	36400DY
THALLIUM UG/L	0.7UYW	0.7UY	0.7UY	0.7UY	0.7UY	0.7UY
TIN						
VANADIUM UG/L	1.1DYJ	1UY	1DYJ	1UY	53.4DY	1.1DYJ
ZINC UG/L	16.6DYJ	37.6DYJ	3.8UYUJ	6.6UYUJ	165DYJ	152DYJ

ata Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: INORGANICS

SAMPLE ID:	10058	10058	10059	10059	10060	10061
SUB-SAMPLE ID:	00000	DIS	DUP	DUPDI	00000	00000
STATION ID:	MWD014	MWD014	MWD014	MWD014	MWD017	MWD019
SAMPLE DATE:	03/06/1991	03/06/1991	03/06/1991	03/06/1991	03/04/1991	03/05/1991
SAMPLE TIME:	09:30	09:30	09:45	09:45	10:05	11:30
SAMPLE MATRIX:	GW	GW	GW	GW	GW	GW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
ALUMINUM UG/L	54400DY	77UY	35800DY	37.7DYB	2850DY	14100DY
ANTIMONY UG/L	19UY	19UY	58UYUJ	9.2UY	9.2UY	9.6UYUJ
ARSENIC UG/L	4.6DYB	2UY	45.9DY	6.5UY	6.5UY	6.5UY
BARIUM UG/L	918DY	62.1DYB	763DY	53.9DYB	172DYB	316DY
BERYLLIUM UG/L	38DY	1UY	29.9DY	1DYB	0.46DYB	2.4DYB
CADMIUM UG/L	5.1DY	4UY	8.5DYJ	0.6UY	0.6UY	1.3DYJ
CALCIUM UG/L	23300DY	20100DY	22700DY	18300DY	89500DY	22700DY
CHROMIUM UG/L	3UY	3UY	163DY	1.3UYUJ	7.9DYB	191DY
COBALT UG/L	164DYJ	49.8DYB	129DY	47.5DYB	8DYJ	23.6DYB
COPPER UG/L	15.8DYJB	7UY	78.5DYJ	0.9UY	5.2DYJ	22.5DYJ
CYANIDE UG/L	10UY		3.3DYJ		8DYJ	3UY
IRON UG/L	491000DY	6300DY	331000DY	5540DY	4890DY	47400DY
LEAD UG/L	38DYJNS	2UYNW	37DYS	0.8DYB	5.9DY	18.4DY
MAGNESIUM UG/L	8630DY	6230DY	7510DY	5660DY	10400DY	10300DY
MANGANESE UG/L	3300DY	1950DY	2860DY	1760DY	151DY	976DY
MERCURY UG/L	0.2UY	0.2UY	0.1UY	0.1UY	0.1UY	0.1UY
NICKEL UG/L	211DY	36.9DYB	182DY	36.6DYB	16.4UYUJ	105DY
POTASSIUM UG/L	8430DY	5900DY	6410DYJ	5110DY	1910DYB	2300UYUJ
SELENIUM UG/L	10UYW	10UYW	0.6UYW	0.6UYW	3.2DYJ	0.97DYJ
SILICA						
SILICON						
SILVER UG/L	36.6DYJ	4UY	1.7DYB	1.6UY	1.6UY	1.6UY
SODIUM UG/L	27800DY	28900DY	26200DY	24800DY	50600DY	43400DY
THALLIUM UG/L	50UYE	50UYW	0.8DYB	0.7UY	7UYW	0.7UY
TIN						
VANADIUM UG/L	8UY	8UY	153DY	1UY	9.9DYJ	58.3DY
ZINC UG/L	545DY	91DY	498DY	69.2DY	25.2DYJ	102DY

ata Format: value + detected flag + validated flag + qualifiers

DMS CHEMICAL OBSERVATIONS MATRIX
ROUNDWATER
ADUCAH PHASE II
AMPLE ANALYSIS: INORGANICS

SAMPLE ID:		10061	10062	10062	10063	10063	10064
SUB-SAMPLE ID:		DIS	00000	DIS	00000	DIS	00000
STATION ID:		MWD019	MWD024	MWD024	MWD025	MWD025	MWD027
SAMPLE DATE:		03/05/1991	03/06/1991	03/06/1991	03/06/1991	03/06/1991	03/06/1991
SAMPLE TIME:		11:30	14:55	14:55	09:30	09:30	16:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
ALUMINUM	UG/L	19.5UY	77800DY*	77UY	43200DY	39.6DYB	17700DY
ANTIMONY	UG/L	9.2UY	19UY	19UY	44.6UYUJ	15.9UYUJ	22.6UYUJ
ARSENIC	UG/L	6.5UY	2UY	2UY	92.5DYJ	6.5UY	1UY
BARIUM	UG/L	152DYB	1500DY	189DYB	1100DY	37.1DYB	389DY
BERYLLIUM	UG/L	0.2UY	11.6DY	1UY	8.1DY	0.2UY	3.3DYB
CADMIUM	UG/L	0.6UY	4UY	4UY	4.1UYUJ	0.6UY	1.3DYJ
CALCIUM	UG/L	20900DY	42100DY	32900DY	199000DY	197000DY	30200DY
CHROMIUM	UG/L	1.3UY	55.2DYJ	3UY	136DY	1.3UY	29.8DY
COBALT	UG/L	2UY	272DY	9.4DYB	85DY	2UY	22.4DYB
COPPER	UG/L	0.9UY	64.5DYJ	7UY	56.3DYJ	0.9UY	30.3DYJ
CYANIDE	UG/L		10UY		3UY		3UY
IRON	UG/L	4.5UY	291000DY	37UY	183000DY	58.7DYB	64200DY
LEAD	UG/L	0.6UY	64.4DYJNS	2UYNW	57DY	6UY	10.7DY
MAGNESIUM	UG/L	8740DY	25400DY	13800DY	78500DY	73900DY	13300DY
MANGANESE	UG/L	12.5DYB	8860DY	1870DY	3330DY	431DY	591DY
MERCURY	UG/L	0.1UY	0.389UYJ	0.2UY	0.1UY	0.1UY	0.1UY
NICKEL	UG/L	6.8UYUJ	168DY	7UY	141DY	11.1UYUJ	27.4UYUJ
POTASSIUM	UG/L	929UYUJ	11300DY	1010UY	5210DY	2740DYB	5230DY
SELENIUM	UG/L	1.9DYB	10UYW	1UYW	0.6UYW	0.6UYW	0.75DYB
SILICA							
SILICON							
SILVER	UG/L	1.6UY	20.4DYJ	4UY	1.6UY	1.6UY	3UYUJ
SODIUM	UG/L	45000DY	55600DY	57000DY	109000DY	110000DY	32200DY
THALLIUM	UG/L	0.7UY	5UYW	5UY	1DYB	0.7UY	0.7UY
TIN							
VANADIUM	UG/L	1UY	135DYJ	8UY	168DY	2.5DYJ	75.3DY
ZINC	UG/L	5UYUJ	392DY	12.4UYJB	362DY	15.7UYUJ	132DYJ

ata Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: INORGANICS

SAMPLE ID:	10064	10065	10065	10066	10066	10067
SUB-SAMPLE ID:	DIS	00000	DIS	00000	DIS	00000
STATION ID:	MWD027	RW043	RW043	RW247	RW247	MW007
SAMPLE DATE:	03/06/1991	03/07/1991	03/07/1991	03/07/1991	03/07/1991	04/02/1991
SAMPLE TIME:	16:15	14:15	14:15	16:00	16:00	11:00
SAMPLE MATRIX:	GW	GW	GW	GW	GW	GW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
ALUMINUM UG/L	19.5UY	19.5UY	19.5UY	28.9DYB	25.4DYB	6290DYJE
ANTIMONY UG/L	9.2UY	9.8DYB	9.2UY	11.5DYJ	9.2UY	19UY
ARSENIC UG/L	1UY	1UY	1UY	1UY	1UY	2UYN
BARIUM UG/L	162DYB	119DYB	115DYB	22DYB	20.8DYB	108DYJEB
BERYLLIUM UG/L	0.4UYUJ	0.4UYUJ	0.2UYUJ	0.2UYUJ	0.41UYUJ	1UY
CADMIUM UG/L	0.6UY	0.6UY	0.6UY	0.6UY	0.6UY	4UY
CALCIUM UG/L	28100DY	24400DY	25000DY	19100DY	18600DY	9360DYJE
CHROMIUM UG/L	1.3UY	1.3UY	1.3UY	1.3UY	1.3UY	3UY
COBALT UG/L	2UY	2UY	2UY	2UY	2UY	15.9DYB
COPPER UG/L	0.9UY	103DY	0.9UY	3.8DYJ	2.2DYJ	7UYN
CYANIDE UG/L		3UY		3UY		10UY
IRON UG/L	4.5UY	9280DY	1790DY	76.4DYB	5.7UYUJ	10000DYJE
LEAD UG/L	0.6UY	5.8DY	0.6UY	0.6UY	0.6UY	17.5DYJN
MAGNESIUM UG/L	9620DY	9640DY	9790DY	3130DYB	3000DYB	4220DYJEB
MANGANESE UG/L	22.6DY	35DY	42DY	9.1DYB	1.4DYB	1220DYJNE
MERCURY UG/L	0.1UY	0.1UY	0.1UY	0.1UY	0.1UY	0.2UY
NICKEL UG/L	3.5UY	3.5UY	3.5UY	3.5UY	3.5UY	18.2DYB
POTASSIUM UG/L	1790DYB	1300UYUJ	1160UYUJ	1810DYB	1630UYUJ	1010UY
SELENIUM UG/L	0.86DYB	1.4DYB	1.6DYB	0.6UY	0.6UY	1.8DYJNB
SILICA						
SILICON						
SILVER UG/L	1.7UYUJ	2.8UYUJ	2.5UYUJ	3.1UYUJ	1.6UY	4UY
SODIUM UG/L	30900DY	33000DY	32300DY	12400DY	11300DY	40700DYJE
THALLIUM UG/L	0.7UY	0.7UY	0.7UY	0.7UY	0.7UY	5UYN
TIN						
VANADIUM UG/L	1UY	1DYB	1UY	1.4DYJ	1UY	10.2DYB
ZINC UG/L	18.1DYJ	73.3DYJ	55.9DYJ	35.2DYJ	32.7DYJ	94.1DY

)ata Format: value + detected flag + validated flag + qualifiers

DMS CHEMICAL OBSERVATIONS MATRIX
ROUNDWATER
ADUCAH PHASE II
AMPLE ANALYSIS: INORGANICS

SAMPLE ID:		10067	10068	10068	10069	10069	10070
SUB-SAMPLE ID:		DIS	00000	DIS	00000	DIS	00000
STATION ID:		MW007	MW012	MW012	MW021	MW021	MW022
SAMPLE DATE:		04/02/1991	03/26/1991	03/26/1991	03/26/1991	03/26/1991	03/29/1991
SAMPLE TIME:		11:00	11:30	11:30	15:45	15:45	12:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
ALUMINUM	UG/L	77UYE	908DY	19.5UY	6930DYJN	34.2UYJBN	1170DYJ
ANTIMONY	UG/L	19UY	9.2UY	9.2UY	18.2UY	18.2UY	9.2UY
ARSENIC	UG/L	2UYN	6.5UY	6.5UY	0.9UY	0.9UYW	6.5UY
BARIUM	UG/L	53.9DYJBE	467DY	519DY	448DY	100DYB	259DY
BERYLLIUM	UG/L	1UY	0.27DYB	0.2UY	0.6UY	0.6UY	0.2UY
CADMIUM	UG/L	4UY	0.6UY	0.6UY	2.7UYN	2.7UYN	0.6UY
CALCIUM	UG/L	8590DYJE	60300DY	64200DY	82000DY	79000DY	22000DY
CHROMIUM	UG/L	3UY	4.5UYUJ	1.3UY	6.9DYB	6.9UY	5.3DYB
COBALT	UG/L	10.6DYB	2UY	2.3DYB	8.2DYB	3.6DYB	11.7DYB
COPPER	UG/L	7UYN	4DYB	0.9UY	2.5UY	2.5UY	6.3DYB
CYANIDE	UG/L		3UY		20UY		3UY
IRON	UG/L	916DYJE	2170DY	4.5UY	13400DYJE	730DYE	6050DY
LEAD	UG/L	10.1DYJNS	2.5DYB	0.6UY	11.7DYN	2.3UYJBN	3.3DY
MAGNESIUM	UG/L	3770DYJBE	24300DY	26200DY	36100DY	34500DY	7500DY
MANGANESE	UG/L	981DYJNE	25.4DY	18.9DY	787DY	476DY	2890DY
MERCURY	UG/L	0.2UY	0.1UY	0.1UY	0.2UY	0.2UY	0.1UY
NICKEL	UG/L	11.3DYB	4.1DYB	5.4DYB	113DY	57.1DY	14.7DYB
POTASSIUM	UG/L	1010UY	1040DYB	983DYB	1660DYB	1110DYB	1720DYB
SELENIUM	UG/L	1UYN	0.96DYJ	0.99DYJ	1.1UY	1.1UY	0.6UYW
SILICA							
SILICON							
SILVER	UG/L	4UY	1.6UY	1.6UY	3.8UY	3.8UY	1.6UY
SODIUM	UG/L	42300DYJE	81100DY	79500DY	150000DYJE	148000DYE	19500DYJ
THALLIUM	UG/L	5UYN	0.7UYW	0.7UY	1.4UYN	1.4UYWN	0.7UY
TIN							
VANADIUM	UG/L	8UY	3.9UYUJ	1UY	15DYB	2UY	1.6DYB
ZINC	UG/L	22.3DY	58.8DY	35.5DY	296DYJ*	50.6DY*	68.4DYJ

ata Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: INORGANICS

SAMPLE ID:		10070	10071	10071	10072	10072	10073
SUB-SAMPLE ID:		DIS	00000	DIS	00000	DIS	00000
STATION ID:		MW022	MW038	MW038	MW041	MW041	MW042
SAMPLE DATE:		03/29/1991	04/04/1991	04/04/1991	04/04/1991	04/04/1991	04/04/1991
SAMPLE TIME:		12:15	14:20	14:20	15:05	15:05	10:50
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
ALUMINUM	UG/L	19.5UYEN*	1700DYJB	77UY	289DY	15.2UY	325DY
ANTIMONY	UG/L	9.2UY	19.9UYJB	19UY	8.7UY	15.1DYB	8.7UY
ARSENIC	UG/L	8.6DYB	2UY	2UY	9.1UY	9.1UY	9.1UY
BARIUM	UG/L	227DY	161DYJB	153DYJB	185DYB	183DYB	61.2DYB
BERYLLIUM	UG/L	0.2UY	1UY	1UY	0.2DYB	0.2DYB	0.2UY
CADMIUM	UG/L	0.6UY	4UY	4UY	1.1UY	1.1UY	1.1UY
CALCIUM	UG/L	21000DY	32600DYJ	32800DYJ	23100DY	23300DY	57700DY
CHROMIUM	UG/L	1.3UY	3UY	3UY	1.6UY	1.6UY	1.6UY
COBALT	UG/L	8.7DYB	4UY	4UY	2.4UY	2.4UY	2.4UY
COPPER	UG/L	0.9UY	7UY	7UY	3.2DYB	1.4DYB	2.5DYB
CYANIDE	UG/L		10UY		3UY		3UY
IRON	UG/L	2950DY	1870DYJ	66.7DYJB	1070DY	22DYB	1090DY
LEAD	UG/L	0.6UY	19.2DYJ	17.5DYJS	1.2DYB	0.8UYUJ	1.4DYB
MAGNESIUM	UG/L	7310DY	12500DYJ	12500DYJ	9310DY	9450DY	21000DY
MANGANESE	UG/L	2640DY	155DYJ	113DYJ	12.8DYB	4.2DYB	15.1DY
MERCURY	UG/L	0.1UY	0.2UY	0.2UY	0.1DYB	0.1UY	0.1UY
NICKEL	UG/L	12.6DYB	7UY	7UY	4.2UY	4.2UY	4.2UY
POTASSIUM	UG/L	1540DYB	1010UY	1010UY	1490DYB	1470DYB	1650DYB
SELENIUM	UG/L	0.6UYW	1.8DYJB	1.6DYJB	0.66DYJ	0.67DYJ	2.1DYJ
SILICA							
SILICON							
SILVER	UG/L	1.6UY	4UY	4UY	1.8UY	1.8UY	1.8UY
SODIUM	UG/L	18300DYJ	48200DYJ	48600DYJ	35200DYJ	35400DYJ	57500DYJ
THALLIUM	UG/L	0.7UY	5UY	5UY	0.7UY	0.7UYW	0.7UY
TIN							
VANADIUM	UG/L	1UY	8UY	8UY	2DYB	1.1UY	2.1DYB
ZINC	UG/L	37.2DYJ	14.4UYJB	24.3DY	5.3UYUJ	3.8UYUJ	5.4UYUJ

)ata Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: INORGANICS

SAMPLE ID:	10073	10074	10074	10075	10075	10076
SUB-SAMPLE ID:	DIS	DUP	DUPDI	00000	DIS	00000
STATION ID:	MW042	MW042	MW042	MW043	MW043	MW044
SAMPLE DATE:	04/04/1991	04/04/1991	04/04/1991	04/24/1991	04/24/1991	04/04/1991
SAMPLE TIME:	10:50	10:50	10:50	11:45	11:45	16:15
SAMPLE MATRIX:	GW	GW	GW	GW	GW	GW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
ALUMINUM UG/L	15.2UY	253DY	27.8UYUJ	193UYJBN	15.2UYN	15.2UY
ANTIMONY UG/L	15.8DYB	8.7UY	8.7UY	8.7UY	15.6DYB	8.7UY
ARSENIC UG/L	9.1UY	9.1UY	9.1UY	9.1UY	9.1UY	9.1UY
BARIUM UG/L	54.3DYB	55.6DYB	55.6DYB	215DY	206DY	141DYB
BERYLLIUM UG/L	0.2DYB	0.2UY	0.31DYB	0.32UYJB	0.22UY	0.2UY
CADMIUM UG/L	1.1UY	1.1UY	1.1UY	1.1UY	1.1UY	1.1UY
CALCIUM UG/L	56900DY	59000DY	55900DY	20900DY	20600DY	25800DY
CHROMIUM UG/L	1.6UY	1.6UY	1.6UY	1.6UY	1.6UY	1.6UY
COBALT UG/L	2.4UY	2.4UY	2.4UY	2.4UY	2.4UY	2.4UY
COPPER UG/L	1.4UY	9.2DYB	1.4UY	2.7DYJB	1.4UY	2.5DYB
CYANIDE UG/L		4.9DYJ		3UY		3UY
IRON UG/L	34.2DYB	1200DY	34.9DYB	873DY	80.1UYJB	193DY
LEAD UG/L	0.8DYB	1.6DYB	0.6UY	2.7DYB	0.5DYB	1.1DYB
MAGNESIUM UG/L	20900DY	20800DY	20300DY	8340DY	8230DY	10600DY
MANGANESE UG/L	8.3DYB	18.3DY	7.4DYB	9.8DYB	3.3DYB	4.4DYB
MERCURY UG/L	0.1UY	0.1UY	0.1UY	0.1UY	0.1UY	0.1UY
NICKEL UG/L	4.2UY	4.2UY	4.2UY	4.2UY	4.2UY	4.2UY
POTASSIUM UG/L	1750DYB	1620DYB	1650DYB	1270DYB	1420DYB	1350DYB
SELENIUM UG/L	2.2DYJ	2DYJ	2.4DYJ	0.73DYB	0.68DYB	0.6UYWN
SILICA						
SILICON						
SILVER UG/L	1.8UY	1.8UY	1.8UY	1.8UY	1.8UY	1.8UY
SODIUM UG/L	56800DYJ	56700DYJ	55900DYJ	27600DYJE	27400DYJE	30000DYJ
THALLIUM UG/L	0.7UY	0.7UYW	0.7UY	0.7UY	0.7UY	0.7UYW
TIN						
VANADIUM UG/L	1.1DYB	1.5DYB	1.1DYB	1.1UY	1.1UY	1.1UY
ZINC UG/L	3.5UYUJ	41.5DY	22.6DY	19.1DYB	14.2DYB	9.4DYB

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: INORGANICS

SAMPLE ID:		10076	10077	10077	10078	10078	10082
SUB-SAMPLE ID:		DIS	00000	DIS	00000	DIS	00000
STATION ID:		MW044	MW048	MW048	MW049	MW049	MW053
SAMPLE DATE:		04/04/1991	04/03/1991	04/03/1991	04/03/1991	04/03/1991	04/23/1991
SAMPLE TIME:		16:15	14:50	14:50	15:00	15:00	14:45
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
ALUMINUM	UG/L	15.2UY	508UYJ	77UY	53400DYJ	77UY	891DYJ
ANTIMONY	UG/L	13.9DYB	19UY	19UY	19UY	19UY	8.7UY
ARSENIC	UG/L	9.1UY	2UYW	2UYW	7.1UYBSJ	2.6DYBWJ	9.1UY
BARIUM	UG/L	132DYB	96.5DYJB	85.9DYJB	486DYJ	101DYJB	86.5DYB
BERYLLIUM	UG/L	0.2DYB	1UY	1UY	10.6DY	1UY	0.21UYUJ
CADMIUM	UG/L	1.1UY	4UY	4UY	4UY	4UY	1.1UY
CALCIUM	UG/L	25700DY	17200DYJ	16100DYJ	97300DYJ	41300DYJ	17400DY
CHROMIUM	UG/L	1.6UY	3UY	3UY	3UY	3UY	3.2DYB
COBALT	UG/L	2.4UY	4DYB	4UY	90.2DY	4UY	2.8UYUJ
COPPER	UG/L	1.5DYB	7UY	7UY	76.6DYJ	7UY	5.8UYUJ
CYANIDE	UG/L		10UY		10UY		3UY
IRON	UG/L	116DY	10400DYJ	6960DYJ	396000DYJ	35600DYJ	3300DYJ
LEAD	UG/L	0.6UY	7DYJS	28DYJS	113DYJ	17.8DYJ	3.7UYUJ
MAGNESIUM	UG/L	10600DY	6990DYJ	6490DYJ	40800DYJ	17100DYJ	4700DYB
MANGANESE	UG/L	6.2DYB	308DYJ	256DYJ	2520DYJ	900DYJ	232DY
MERCURY	UG/L	0.1UY	0.2UY	0.2UY	0.22DY	0.2UY	0.1UY
NICKEL	UG/L	4.2UY	7UY	7UY	126DY	8.6DYB	11.9UYUJ
POTASSIUM	UG/L	1530DYB	1010UY	1010UY	2800DYB	1010UY	863UYUJ
SELENIUM	UG/L	0.6UYWN	1UY	1UY	1UYW	1UY	0.5UY
SILICA							
SILICON							
SILVER	UG/L	1.8UY	4UY	5DYB	22.4DY	4UY	1.8UY
SODIUM	UG/L	31500DYJ	13700DYJ	12700DYJ	135000DYJ	14100DYJ	14200DYJ
THALLIUM	UG/L	0.7UYW	5UY	5UY	5UYW	5UYW	0.7UY
TIN							
VANADIUM	UG/L	1.1UY	8UY	8UY	18DYB	8UY	2.5UYUJ
ZINC	UG/L	10.8DYB	35.2DY	10.1UYJB	231DY	8.9UYJB	15.4DYB

)ata Format: value + detected flag + validated flag + qualifiers

DMS CHEMICAL OBSERVATIONS MATRIX
ROUNDWATER
ADUCAH PHASE II
AMPLE ANALYSIS: INORGANICS

SAMPLE ID:		10082	10083	10083	10084	10084	10085
SUB-SAMPLE ID:		DIS	00000	DIS	00000	DIS	00000
STATION ID:		MW053	MW054	MW054	MW063	MW063	MW064
SAMPLE DATE:		04/23/1991	04/24/1991	04/24/1991	03/08/1991	03/08/1991	03/12/1991
SAMPLE TIME:		14:45	09:25	09:25	14:35	14:35	09:00
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
ALUMINUM	UG/L	20.9UYUJ	178UYJBN	15.2UYN	99.3DYB	45.3DYB	97.8DYJ
ANTIMONY	UG/L	11.2DYB	8.7UY	19.1DYB	9.2UY	12.2DYJ	9.2UY
ARSENIC	UG/L	9.1UY	9.1UY	9.1UY	1UY	1UY	6.5UY
BARIUM	UG/L	72.7DYB	233DY	230DY	104DYB	102DYB	302DY
BERYLLIUM	UG/L	0.2UY	0.22UY	0.22UYJB	0.3UYUJ	0.3UYUJ	0.2UY
CADMIUM	UG/L	1.1UY	1.1UY	1.1UY	0.6UY	0.6UY	0.6UY
CALCIUM	UG/L	17600DY	21300DY	21200DY	25000DY	24500DY	45900DY
CHROMIUM	UG/L	1.6UY	1.6UY	1.6UY	8.3DYB	2DYB	131DY
COBALT	UG/L	2.4UY	3.8DYB	3.7DYB	2UY	2UY	3.6UYUJ
COPPER	UG/L	1.4UY	1.4UY	1.4UY	0.9UY	0.9UY	12.2DYB
CYANIDE	UG/L		3UY		3UY		3UY
IRON	UG/L	783DYJ	2440DY	1910DY	189DY	59.7DYB	913DY
LEAD	UG/L	0.5UY	0.9DYB	0.5UY	1.9DYB	0.9DYB	1.5DYB
MAGNESIUM	UG/L	4750DYB	6010DY	5940DY	6660DY	6660DY	13100DY
MANGANESE	UG/L	134DY	1090DY	1090DY	9.8DYB	6.5DYB	15.6DY
MERCURY	UG/L	0.1UY	0.1UY	0.1UY	0.1UY	0.1UY	0.1UY
NICKEL	UG/L	4.8UYUJ	4.2UY	4.2UY	117DY	95.1DY	121DY
POTASSIUM	UG/L	737UYUJ	1070DYB	1100DYB	2000DYB	1990DYB	829DYB
SELENIUM	UG/L	2.3DYJ	0.5UY	0.5UY	0.6UY	0.6UY	9.4DYS
SILICA							
SILICON							
SILVER	UG/L	1.8UY	1.8UY	1.8UY	1.8UYUJ	1.6UY	1.6UY
SODIUM	UG/L	14600DYJ	15200DYJE	17400DYJE	16200DY	16100DY	77600DYJ
THALLIUM	UG/L	0.7UY	0.7UY	0.7UY	0.7UY	0.7UY	0.7UY
TIN							
VANADIUM	UG/L	1.3UYUJ	1.1UY	1.1UY	1.6DYJ	1UY	1.7DYB
ZINC	UG/L	36.9DY	14.3DYB	125DY	1.9UYUJ	2UYUJ	7.6DYB

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: INORGANICS

SAMPLE ID:		10085	10086	10086	10087	10087	10088
SUB-SAMPLE ID:		DIS	00000	DIS	00000	DIS	00000
STATION ID:		MW064	MW065	MW065	MW066	MW066	MW067
SAMPLE DATE:		03/12/1991	03/08/1991	03/08/1991	03/11/1991	03/11/1991	03/11/1991
SAMPLE TIME:		09:00	14:20	14:20	16:00	16:00	12:00
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
ALUMINUM	UG/L	19.5UY	19.5UY	19.5UY	130DYB	77UY	19.5UY
ANTIMONY	UG/L	10.5DYB	9.2UY	20.8DYJ	19UY	19UY	9.2UY
ARSENIC	UG/L	6.5UY	1UY	1UY	2UYW	2UYN	6.5UY
BARIUM	UG/L	307DY	54.3DYB	54DYB	170DYB	164DYB	80.7DYB
BERYLLIUM	UG/L	0.2UY	0.3UYUJ	0.4UYUJ	1UY	1UY	0.21UYUJ
CADMIUM	UG/L	0.6UY	0.6UY	0.6UY	4UY	4UY	0.6UY
CALCIUM	UG/L	46000DY	16500DY	16500DY	34800DYJE	33400DYE	15200DY
CHROMIUM	UG/L	1.3UY	1.3UY	1.3UY	3.5DYB	3UY	2.4UYUJ
COBALT	UG/L	2UY	2UY	2UY	4UY	4UY	2UY
COPPER	UG/L	3.6DYB	0.9UY	2.6DYJ	7UY	7UY	0.9UY
CYANIDE	UG/L		3UY		5UY		6.4DYJ
IRON	UG/L	9.6DYB	12.6UYUJ	4.5UY	132DY	37UY	87.8DYB
LEAD	UG/L	0.6UY	0.6UY	0.6UY	2UYW	2UY	0.6UY
MAGNESIUM	UG/L	13200DY	6570DY	6590DY	10700DYJE	10400DYE	6000DY
MANGANESE	UG/L	5.2DYB	2.3DYB	3DYB	5.6DYB	3.4DYB	10.8DYB
MERCURY	UG/L	0.1UY	0.1UY	0.1UY	0.2UY	0.2UY	0.1UY
NICKEL	UG/L	94.8DY	3.5UY	3.5UY	7.3DYB	8DYB	56.3DY
POTASSIUM	UG/L	776DYB	1130UYUJ	1120UYUJ	1690DYB	1010UY	331DYB
SELENIUM	UG/L	10DYS	0.64DYB	0.6UY	1UYW	1UYW	0.73DYB
SILICA							
SILICON							
SILVER	UG/L	1.6UY	1.8UYUJ	2UYUJ	4UYN	4UYN	1.6UY
SODIUM	UG/L	81000DYJ	13500DY	13300DY	21600DYJE	21000DYJE	13600DYJ
THALLIUM	UG/L	0.7UY	0.7UY	0.7UY	5UY	5UY	0.7UY
TIN							
VANADIUM	UG/L	1UY	1UY	1.3DYJ	8UY	8UY	1UY
ZINC	UG/L	6.7DYB	2.6UYUJ	3.4UYUJ	5UYJB	14.7UYJB	3.4UYUJ

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: INORGANICS

SAMPLE ID:		10088	10089	10089	10090	10090	10091
SUB-SAMPLE ID:		DIS	DUP	DUPDI	00000	DIS	00000
STATION ID:		MW067	MW067	MW067	MW068	MW068	MW074
SAMPLE DATE:		03/11/1991	03/11/1991	03/11/1991	03/14/1991	03/14/1991	03/25/1991
SAMPLE TIME:		12:00	12:15	12:15	11:15	11:15	14:30
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
ALUMINUM	UG/L	19.5UY	19.5UY	19.5UY	77UY	77UY	86500UYN*J
ANTIMONY	UG/L	9.2UY	9.2UY	9.2UY	29.6DYB	19UY	19UY
ARSENIC	UG/L	6.5UY	6.5UY	6.5UY	2UY	2UY	2UY
BARIUM	UG/L	79.9DYB	81.2DYB	78.5DYB	146DYB	144DYB	527DY
BERYLLIUM	UG/L	0.31UYUJ	0.32UYUJ	0.31UYUJ	1UY	1UY	10.8DY
CADMIUM	UG/L	0.6UY	0.6UY	0.6UY	4UY	4UY	4UY
CALCIUM	UG/L	14900DY	15100DY	14500DY	34500DY	34500DY	25500DY
CHROMIUM	UG/L	2.4UYUJ	2.1UYUJ	2.7UYUJ	7.2DYB	3UY	106DYN*J
COBALT	UG/L	2UY	2UY	2UY	4UY	4UY	85.4DYJ
COPPER	UG/L	0.9UY	0.9UY	0.9UY	9.2DYB	7UY	59.3DYJ
CYANIDE	UG/L		4.4DYJ		10UY		5UY
IRON	UG/L	64DYB	61DYB	62.8DYB	37UY	37UY	278000DYN*J
LEAD	UG/L	0.6UY	0.6UY	0.6UY	2UYW	2UYWN	56.8DYSNJ
MAGNESIUM	UG/L	5890DY	5950DY	5720DY	13800DY	13700DY	12300DY
MANGANESE	UG/L	10.1DYB	8.6DYB	8.2DYB	2.5DYB	2.7DYB	1380DY*
MERCURY	UG/L	0.1UY	0.1UY	0.1UY	0.2UY	0.2UY	0.2UY
NICKEL	UG/L	52.6DY	43.6DY	44DY	23DYB	13.9DYB	103DYJ
POTASSIUM	UG/L	575DYB	538DYB	543DYB	1810DYB	2300DYB	4160DYB
SELENIUM	UG/L	0.6UY	0.6UY	0.6UY	3.3UYJBW	1.7UYJBW	1UY
SILICA							
SILICON							
SILVER	UG/L	1.6UY	1.6UY	1.6UY	4UY	4UYN	37.3UYJ
SODIUM	UG/L	13600DYJ	13500DYJ	13200DYJ	24600DY	25000DY	18700DY
THALLIUM	UG/L	0.7UY	0.7UY	0.7UY	5UYW	50UYNW	5UYWJ
TIN							
VANADIUM	UG/L	1UY	1UY	1UY	8UY	8UY	354DYJ
ZINC	UG/L	2.2UYUJ	2UYUJ	2.3UYUJ	17.8DYB	10.7DYB	294DY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: INORGANICS

SAMPLE ID:	10091	10092	10092	10093	10093	10094
SUB-SAMPLE ID:	DIS	00000	DIS	00000	DIS	00000
STATION ID:	MW074	MW084	MW084	MW085	MW085	MW086
SAMPLE DATE:	03/25/1991	03/19/1991	03/19/1991	03/12/1991	03/12/1991	03/19/1991
SAMPLE TIME:	14:30	15:20	15:20	16:00	16:00	11:00
SAMPLE MATRIX:	GW	GW	GW	GW	GW	GW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
ALUMINUM UG/L	77UYN*					
ANTIMONY UG/L	27.4UYJB	18.2UY	18.2UY	7.5UY	7.5UY	18.2UY
ARSENIC UG/L	2UY	0.9UY	0.9UY	1.8UY	1.8UY	0.9UY
BARIUM UG/L	46.7DYB	57.4DYB	52.3DYB	62.3DYB	60.9DYB	171DYB
BERYLLIUM UG/L	1UY	0.6UY	0.6UY	0.5UY	0.5UY	0.6UY
CADMIUM UG/L	4UY	2.7UY	2.7UY	3.4UY	3.4UY	2.7UY
CALCIUM UG/L	11000DY					
CHROMIUM UG/L	3UYN*J	6.9UY	6.9UY	6.3UY	6.3UY	6.9UY
COBALT UG/L	4UY	3UY	3UY	3.4UY	3.4UY	3UY
COPPER UG/L	7UY	4.7DYB	2.5UY	2.9UY	2.9UY	4.7DYB
CYANIDE UG/L		20UY				20UY
IRON UG/L	37UYN*R					
LEAD UG/L	5DYNWJ	1.5DYJ	2.8DYBN	1.4UY	1.4UY	1UY*
MAGNESIUM UG/L	4680DYB					
MANGANESE UG/L	26.6DY*					
MERCURY UG/L	0.2UY	0.2UY	0.2UY	0.2UY	0.2UY	0.2UY
NICKEL UG/L	7UY	3.9UY	3.9UY	3.6UY	3.6UY	3.9UY
POTASSIUM UG/L	1010UY					
SELENIUM UG/L	1UYW	1.1UY	1.1UY	1.3UY	2.7DYBWJ	1.1UY
SILICA						
SILICON UG/L		8020DY	8180DY			
SILVER UG/L	4UY	3.8UY	3.8UY	2.9UY	2.9UY	3.8UY
SODIUM UG/L	19700DY					
THALLIUM UG/L	5UYW	1.4UYW	1.4UY	2.4UYNW	2.4UYN	1.4UYWN
TIN UG/L		24.2UY	24.2UY	20.7UY	20.7UY	24.2UY
VANADIUM UG/L	8UY	2UY	2UY	2.6UY	2.6UY	2UY
ZINC UG/L	3.8DYB	17.2UYUJ	7UYUJ	3.6DYB	6.9DYB	17.3UYJB

Data Format: value + detected flag + validated flag + qualifiers

:DMS CHEMICAL OBSERVATIONS MATRIX
;ROUNDWATER
'ADUCAH PHASE II
;AMPLE ANALYSIS: INORGANICS

SAMPLE ID:		10094	10095	10095	10096	10096	10097
SUB-SAMPLE ID:		DIS	DUP	DUPDI	00000	DIS	00000
STATION ID:		MW086	MW086	MW086	MW087	MW087	MW088
SAMPLE DATE:		03/19/1991	03/19/1991	03/19/1991	03/20/1991	03/20/1991	03/20/1991
SAMPLE TIME:		11:00	11:30	11:30	12:00	12:00	15:45
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
ALUMINUM	UG/L		120DYB	19.5UY			
ANTIMONY	UG/L	18.2UY	9.2UY	9.2UY	19UY	19UY	19UY
ARSENIC	UG/L	0.9UY	8.4UYUJ	11.6UYUJ	2UY	2UY	7.8DYBWJ
BARIUM	UG/L	166DYB	193DYB	182DYB	84.7DYB	77.6DYB	122DYB
BERYLLIUM	UG/L	0.6UY	0.41DYB	0.2UY	1UY	1UY	1UY
CADMIUM	UG/L	2.7UY	0.6UY	0.6UY	4UY	4UY	4UY
CALCIUM	UG/L		26500DY	25600DY			
CHROMIUM	UG/L	6.9UY	1.9DYB	1.3UY	3.2DYB	3.4DYB	6.1DYB
COBALT	UG/L	3UY	2UY	2UY	4UY	4UY	4UY
COPPER	UG/L	2.8DYJB	0.9UY	0.9UY	7UY	7UY	7DY
CYANIDE	UG/L		3UY		10UY		10UY
IRON	UG/L		560DY	20.8UYUJ			
LEAD	UG/L	1.3DYJB*	0.6UY	1UYUJ	2UYW	2UYW	2UYW
MAGNESIUM	UG/L		7470DY	7120DY			
MANGANESE	UG/L		386DY	374DY			
MERCURY	UG/L	0.2UY	0.1UY	0.1UY	0.2UY	0.2UY	0.2UY
NICKEL	UG/L	3.9UY	3.5UY	3.5UY	7UY	7UY	7UY
POTASSIUM	UG/L		2580DYB	2280DYB			
SELENIUM	UG/L	1.1UY	0.6UYW	0.6UYW	1UY	1.4UYBWJ	1.4UYBWJ
SILICA							
SILICON							
SILVER	UG/L	3.8UY	1.6UY	1.6UY	4UY	4UY	4UY
SODIUM	UG/L		13800DYJ	13600DYJ			
THALLIUM	UG/L	1.4UYNW	0.7UY	0.7UY	5UYW	5UYW	5UYW
TIN	UG/L	24.2UY					
VANADIUM	UG/L	2UY	1UY	1UY	8UY	8UY	8UY
ZINC	UG/L	4.7UY	4DYB	3.8UYUJ	4.1DYB	3UY	19.8DYB

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: INORGANICS

SAMPLE ID:	10097	10098	10098	10099	10099	10100
SUB-SAMPLE ID:	DIS	DUP	DUPDI	00000	DIS	00000
STATION ID:	MW088	MW088	MW088	MW089	MW089	MW090
SAMPLE DATE:	03/20/1991	03/20/1991	03/20/1991	03/20/1991	03/20/1991	03/21/1991
SAMPLE TIME:	15:45	16:00	16:00	15:00	15:00	09:45
SAMPLE MATRIX:	GW	GW	GW	GW	GW	GW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
ALUMINUM UG/L		562DYB	260DY			
ANTIMONY UG/L	19UY	19UY	19UY	19UY	19UY	19UY
ARSENIC UG/L	7.9DYBWJ	7.3DYJBW	7.6DYJBW	2.8DYB	2UY	2UY
BARIUM UG/L	129DYB	129DYB	135DYB	305DY	165DYB	46.4DYB
BERYLLIUM UG/L	1UY	1UY	1UY	1UY	1UY	1UY
CADMIUM UG/L	4UY	4UY	4UY	4UY	4UY	4UY
CALCIUM UG/L		45900DY	48500DY			
CHROMIUM UG/L	3UY	6.8DYB	3UY	5DYB	3.3DYB	3.7DYB
COBALT UG/L	4UY	4UY	4UY	8.6DYB	4.4DYB	4UY
COPPER UG/L	11.7DYB	7.6DYB	7UY	13.3DYB	7UY	7UY
CYANIDE UG/L		10UY		10UY		10UY
IRON UG/L		2010DY	331DY			
LEAD UG/L	2UYW	2UYW	2UYW	6.7DYWJ	2UYW	2UYW
MAGNESIUM UG/L		9520DY	10000DY			
MANGANESE UG/L		25.4DY	6.2DYB			
MERCURY UG/L	0.2UY	0.2UY	0.2UY	0.2UY	0.2UY	0.2UY
NICKEL UG/L	7UY	7UY	7UY	14.6DYB	7UY	7UY
POTASSIUM UG/L		4680DYB	4000DYB			
SELENIUM UG/L	1.7UYBWJ	1.3UYJBW	1.4UYJBW	1.1UYBWJ	1.4UYBWJ	1.2DYB
SILICA						
SILICON						
SILVER UG/L	4UY	4UY	4UY	4UY	4UY	4UY
SODIUM UG/L		57600DY	59600DY			
THALLIUM UG/L	5UY	5UY	5UY	50UY	5UY	5UY
TIN						
VANADIUM UG/L	8UY	8UY	8UY	8UY	8UY	8UY
ZINC UG/L	6.9DYB	11.2DYB	3UY	26.2DY	4.2DYB	27DY

Data Format: value + detected flag + validated flag + qualifiers

DMS CHEMICAL OBSERVATIONS MATRIX
ROUNDWATER
ADUCAH PHASE II
AMPLE ANALYSIS: INORGANICS

SAMPLE ID:		10100	10101	10101	10102	10102	10103
SUB-SAMPLE ID:		DIS	00000	DIS	00000	DIS	00000
STATION ID:		MW090	MW091	MW091	MW092	MW092	MW093
SAMPLE DATE:		03/21/1991	03/21/1991	03/21/1991	03/21/1991	03/21/1991	03/22/1991
SAMPLE TIME:		09:45	10:15	10:15	10:45	10:45	13:40
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
ALUMINUM							
ANTIMONY	UG/L	19UY	18.2UY	19UY	19UY	19UY	18.2UY
ARSENIC	UG/L	2UY	1DYJ	2UY	2UY	2UY	0.9UYR
BARIUM	UG/L	39.4DYB	126DYB	57.6DYB	143DYB	92.3DYB	73.8DYB
BERYLLIUM	UG/L	1UY	0.6UY	1UY	1UY	1UY	0.6UY
CADMIUM	UG/L	4UY	2.7UY	4UY	4UY	4UY	2.7UY
CALCIUM							
CHROMIUM	UG/L	3DY	84.2DY	3UY	6.2DYB	3UY	6.9UY
COBALT	UG/L	4UY	8.8DYB	4UY	4UY	4UY	3UY
COPPER	UG/L	7UY	12.2DYB	7UY	7UY	7UY	2.5UY
CYANIDE	UG/L		20UY		10UY		20UY
IRON							
LEAD	UG/L	2UYW	11.7DY	2UYW	2.5DYJBW	2UYW	1.4UY
MAGNESIUM							
MANGANESE							
MERCURY	UG/L	0.2UY	0.2UY	0.2UY	0.2UY	0.2UY	0.2UY
NICKEL	UG/L	7UY	34DYB	7UY	7UY	7UY	3.9UY
POTASSIUM							
SELENIUM	UG/L	1.3DYB	1.1UYN	2.2DYB	1UY	1UY	1.1UYN
SILICA							
SILICON							
SILVER	UG/L	4UY	3.8UY	4UY	4UY	4.6UYJB	3.8UY
SODIUM							
THALLIUM	UG/L	5UY	1.4UYWN	5UYW	5UY	5UY	1.4UYWN
TIN	UG/L		24.2UY				24.2UY
VANADIUM	UG/L	8UY	52.3DY	8UY	8UY	8UY	2UY
ZINC	UG/L	29.2DY	43.4UYUJ	14.7UYJB	80.3DY	27.7DY	14.2UYUJ

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: INORGANICS

SAMPLE ID:	10103	10104	10104	10105	10105	10106
SUB-SAMPLE ID:	DIS	DUP	DUPDI	00000	DIS	00000
STATION ID:	MW093	MW093	MW093	MW094	MW094	MW095
SAMPLE DATE:	03/22/1991	03/22/1991	03/22/1991	03/21/1991	03/21/1991	03/21/1991
SAMPLE TIME:	13:40	13:50	13:50	16:30	16:30	16:25
SAMPLE MATRIX:	GW	GW	GW	GW	GW	GW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
ALUMINUM UG/L		19.5UY	19.5UY			
ANTIMONY UG/L	23.8UYUJ	9.2UY	9.2UY	19UY	19UY	19UY
ARSENIC UG/L	0.9UYN	6.5UY	6.5UY	2.3DYJBW	2DYJW	2.1DYJBW
BARIUM UG/L	73.9DYB	86.4DYB	81.5DYB	120DYB	112DYB	120DYB
BERYLLIUM UG/L	0.6UY	0.2UY	0.2UY	1UY	1UY	1UY
CADMIUM UG/L	2.7UY	0.6UY	0.6UY	4UY	4UY	4UY
CALCIUM UG/L		18500DY	18200DY			
CHROMIUM UG/L	6.9UY	1.3UY	1.3UY	12.4DY	3UY	3UY
COBALT UG/L	3UY	2UY	2UY	4UY	4UY	4UY
COPPER UG/L	2.5UY	0.9UY	0.9UY	7UY	7UY	10.5DYB
CYANIDE UG/L		3UY		13.2DY		10UY
IRON UG/L		73.6UYUJ	4.5UY			
LEAD UG/L	1.4UY	0.6UY	0.6UY	7.4DY	2UY	2.9DYJBW
MAGNESIUM UG/L		7280DY	7170DY			
MANGANESE UG/L		35.4DY	27.5DY			
MERCURY UG/L	0.2UY	0.1UY	0.1UY	0.2UY	0.2UY	0.2UY
NICKEL UG/L	3.9UY	3.8DYB	3.5UY	14.4DYB	10.6DYB	7UY
POTASSIUM UG/L		496DYB	432DYB			
SELENIUM UG/L	1.1UYN	0.6UYW	0.6UYW	9.5DYS	5.8DY	1.1DYB
SILICA						
SILICON						
SILVER UG/L	3.8UY	1.6UY	1.6UY	4UY	4UY	4UY
SODIUM UG/L		13100DY	12900DY			
THALLIUM UG/L	1.4UYWN	0.7UY	0.7UY	50UY	50UY	5UY
TIN UG/L	24.2UY					
VANADIUM UG/L	2UY	1UY	1UY	8UY	8UY	8UY
ZINC UG/L	16.7UYUJ	4.5UYUJ	4.1UYUJ	77.6DY	13.8UYJB	39.6DY

Data Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:	10106	10107	10107	10108	10108	10109
SUB-SAMPLE ID:	DIS	00000	DIS	00000	DIS	00000
STATION ID:	MW095	MW120	MW120	MW130	MW130	MW131
SAMPLE DATE:	03/21/1991	02/28/1991	02/28/1991	02/28/1991	02/28/1991	02/28/1991
SAMPLE TIME:	16:25	09:45	09:45	10:05	10:05	09:15
SAMPLE MATRIX:	GW	GW	GW	GW	GW	GW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
ALUMINUM UG/L		141DYJ	19.5UY	218DYJ	62.8DYB	421DYJ
ANTIMONY UG/L	19UY	9.2UY	13.4DYB	9.2UY	10.7DYB	9.2UY
ARSENIC UG/L	2UY	6.5UY	6.5UY	6.5UY	6.5UY	6.5UY
BARIUM UG/L	98.8DYB	190DYJ	195DYJ	135DYJ	138DYJ	42DYJ
BERYLLIUM UG/L	1UY	0.2UY	0.2UY	0.2UY	0.2UY	0.2UY
CADMIUM UG/L	4UY	0.6UY	0.6UY	0.6UY	0.6UY	0.6UY
CALCIUM UG/L		28800DY	29900DY	16300DY	17000DY	8930DY
CHROMIUM UG/L	3UY	1.3UY	2.1DYB	1.3UY	1.3UY	1.3UY
COBALT UG/L	4UY	2UY	2UY	2.6UYUJ	2UY	2UY
COPPER UG/L	7UY	0.93DYB	0.9UY	1.9DYB	0.9UY	2.2DYB
CYANIDE UG/L		3UY		3UY		3UY
IRON UG/L		2370DYJ	2040DY	903DYJ	4.5UYUJ	315DYJ
LEAD UG/L	2UYW	0.6UY	0.6UY	0.6DYB	0.6UY	0.8DYB
MAGNESIUM UG/L		9250DY	9640DY	6270DY	6580DY	3270DYB
MANGANESE UG/L		136DY	137DY	5.4DYB	3.3DYB	4.8DYB
MERCURY UG/L	0.2UY	0.1UYN	0.1UYN	0.1UYN	0.1UYN	0.1UYN
NICKEL UG/L	7UY	4UYUJ	3.5UY	4UYUJ	3.5UY	3.5UY
POTASSIUM UG/L		8510DY	8850DY	1160UYUJ	961UYUJ	252UY
SELENIUM UG/L	1UY	0.6UY	2.4DYB	1.9DYB	2.6DYB	0.6UY
SILICA						
SILICON						
SILVER UG/L	4UY	1.6UY	1.6UY	1.6UY	1.6UY	1.6UY
SODIUM UG/L		18100DY	18600DY	60800DY	63800DY	97600DY
THALLIUM UG/L	5UY	0.7UY	0.7UYW	0.7UYW	0.7UY	0.8UYUJ
TIN						
VANADIUM UG/L	8UY	1UY	1UY	1.7DYB	1UY	2DYB
ZINC UG/L	32.4DY	5UYUJ	2.9UYUJ	6.2UYUJ	1.6UYUJ	4.9UYUJ

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: INORGANICS

SAMPLE ID:	10109	10110	10110	10111	10111	10112
SUB-SAMPLE ID:	DIS	00000	DIS	00000	DIS	00000
STATION ID:	MW131	MW129	MW129	MW155	MW155	MW156
SAMPLE DATE:	02/28/1991	02/28/1991	02/28/1991	03/13/1991	03/13/1991	03/15/1991
SAMPLE TIME:	09:15	10:45	10:45	15:30	15:30	10:10
SAMPLE MATRIX:	GW	GW	GW	GW	GW	GW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
ALUMINUM UG/L	195DYB	193DYJ	42.2DYB	14000DY	19.5UYJB	2700DY
ANTIMONY UG/L	9.2UY	9.2UY	9.2UY	7.5UY	7.5UY	9.2UY
ARSENIC UG/L	10.1DY	6.5UY	6.5UY	1.8UY	1.8UY	6.5UY
BARIUM UG/L	42.1DYJ	100DYJ	99.7DYJ	390DY	266DY	649DY
BERYLLIUM UG/L	0.2UY	0.2UY	0.2UY	5.5DY	0.5UY	2DYB
CADMIUM UG/L	0.6UY	0.6UY	0.6UY	3.4UY	3.4UY	0.6UY
CALCIUM UG/L	9060DY	19500DY	20300DY	40900DY	35300DY	47600DY
CHROMIUM UG/L	1.3UY	1.3UY	1.3UY	118DY	6.3UY	16.8DY
COBALT UG/L	2UY	3.7DYB	2.2DYB	15.9UYJB	3.4UY	39DYB
COPPER UG/L	0.9UY	0.9UY	0.9UY	26.7UYJ	2.9UY	16.4UYUJ
CYANIDE UG/L		3UY		10UY		3UY
IRON UG/L	132DY	959DYJ	5.5UYUJ	70300DYJE	105UYJE	8540DY
LEAD UG/L	0.6UY	0.6UYW	0.6UY	11.5DYN	1.4DYWN	9.6DY
MAGNESIUM UG/L	3380DYB	7520DY	7810DY	17600DY	14700DY	15200DY
MANGANESE UG/L	5.3DYB	129DY	23.2DY	212DY	95.3DY	1510DY
MERCURY UG/L	0.1UYN	0.1UYN	0.1UYN	0.2UY	0.2UY	0.1UY
NICKEL UG/L	3.5UY	4.8UYUJ	6.4UYUJ	80.9DY	5.8UYJB	16.2UYUJ
POTASSIUM UG/L	448DYB	2050DYB	2080DYB	4480DYB	2790DYB	2220UYUJ
SELENIUM UG/L	0.6UY	1.3DYJ	2.7DYB	1.3UY	1.3UYJB	1.9DYB
SILICA						
SILICON						
SILVER UG/L	1.6UY	1.6UY	1.6UY	2.9UY	2.9UY	1.6UY
SODIUM UG/L	98300DY	50600DY	52500DY	32500DY	31500DY	62600DY
THALLIUM UG/L	0.8UYUJ	0.7UYW	1UYUJ	2.4UYWN	2.4UYWN	0.7UYW
TIN						
VANADIUM UG/L	1.3DYB	1.1DYB	1UY	89DY	2.6UY	45.7DYB
ZINC UG/L	1.1UYUJ	2UYUJ	1.1UYUJ	192DY	15.2DYB	47.1DY

Data Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:		10112	10113	10113	10114	10114	10115
SUB-SAMPLE ID:		DIS	00000	DIS	00000	DIS	DUP
STATION ID:		MW156	MW157	MW157	MW158	MW158	MW158
SAMPLE DATE:		03/15/1991	03/15/1991	03/15/1991	03/28/1991	03/28/1991	03/28/1991
SAMPLE TIME:		10:10	10:45	10:45	14:15	14:15	14:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
ALUMINUM	UG/L	19.5UY	65600DY	45.6UYJB	1330DY	77UY	960DYJ
ANTIMONY	UG/L	9.2UY	7.5UY	7.5UY	19UY	25.3DYB	9.2UY
ARSENIC	UG/L	8.6DYB	1.8UY	1.8UY	3.5DYJBN	3.1DYJBN	6.5UY
BARIUM	UG/L	449DY	426DY	87.7DYB	225DY	213DY	217DY
BERYLLIUM	UG/L	0.2UY	4.5DYB	0.5UY	1UY	1UY	0.2UY
CADMIUM	UG/L	0.6UY	3.4UY	3.4UY	4UY	4UY	0.6UY
CALCIUM	UG/L	46600DY	39000DY	22100DY	28300DY	27700DY	26500DY
CHROMIUM	UG/L	1.3UY	189DY	6.3UY	113DY	3UY	100DY
COBALT	UG/L	9DYJ	30.8DYB	3.4UY	9.4DYB	6.5DYB	7.1DYB
COPPER	UG/L	2.4UYUJ	25.4UYJ	2.9UY	16.4DYB	8.8DYB	9.4DYB
CYANIDE	UG/L		0.02UY		10UY		3UY
IRON	UG/L	8.6UYUJ	89700DY	69.9UYJB	7070DY	37UY	4030DY
LEAD	UG/L	0.6UY	34.2DY	1.4UY	3.4DYJWN	2UYN	2.3DYJ
MAGNESIUM	UG/L	15000DY	12500DY	7480DY	8490DY	8840DY	7870DY
MANGANESE	UG/L	940DY	511DY	77.7DY	1290DY	1230DY	1320DY
MERCURY	UG/L	0.1UY	0.2UY	0.2UY	0.2UY	0.2UY	0.1UY
NICKEL	UG/L	11.4UYUJ	52DY	3.6UY	59DY	7UY	55.3DY
POTASSIUM	UG/L	2220UYUJ	3640DYB	526DYB	3440DYB	3230DYB	3910DYB
SELENIUM	UG/L	3.7DYB	1.3UYN	1.3UYNW	1UY	1UY	0.6UYW
SILICA							
SILICON	UG/L		97400DY				
SILVER	UG/L	1.6UY	2.9UY	2.9UY	4UY	4UY	1.6UY
SODIUM	UG/L	64400DY	62900DY	61200DY	14300DYE	15200DYJE	13500DYJ
THALLIUM	UG/L	0.7UYW	1.4UYNW	1.4UYNW	5UY	5UY	0.7UY
TIN							
VANADIUM	UG/L	1UY	178DY	2.6UY	8UY	8UY	3.1DYB
ZINC	UG/L	14.2DYB	103DYJE	9.6DYBE	62.8DY*	39.3DYJ*	31.9DYJ

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: INORGANICS

SAMPLE ID:		10115	10116	10116	10117	10117	10118
SUB-SAMPLE ID:		DUPDI	00000	DIS	00000	DIS	00000
STATION ID:		MW158	MW159	MW159	MW160	MW160	MW161
SAMPLE DATE:		03/28/1991	03/14/1991	03/14/1991	04/01/1991	04/01/1991	03/28/1991
SAMPLE TIME:		14:15	16:00	16:00	15:50	15:50	10:30
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
ALUMINUM	UG/L	19.5UYEN*	4090DY	19.5UY	57400DYJ	51.5UYUJ	5900DY
ANTIMONY	UG/L	9.2UY	9.2UY	9.2UY	22.6UYUJ	19.3DYJ	19UY
ARSENIC	UG/L	13.6DY	6.5UY	6.5UY	1.8DYR	1.1UYUJ	2UYWN
BARIUM	UG/L	196DYB	161DYB	97DYB	327DYJ	84.8DYBE	279DY
BERYLLIUM	UG/L	0.2UY	0.4UYUJ	0.2UY	4.2DYB	0.6UY	2.7DYB
CADMIUM	UG/L	0.6UY	0.65UYUJ	0.6UY	2.7UY	2.7UY	4UY
CALCIUM	UG/L	23800DY	34800DY	22700DY	34700DYJ	20300DYJ	21500DY
CHROMIUM	UG/L	1.3UY	13.7DY	1.3UY	110DYJ	6.9UY	32.3DY
COBALT	UG/L	5DYB	9.3DYJ	2.7DYJ	35DYB	3UY	54.1DY
COPPER	UG/L	3.3DYB	6.1UYUJ	2.7UYUJ	54.3UYUJ	2.5UY	9DYB
CYANIDE	UG/L		3UY		20UY		10UY
IRON	UG/L	22.8DYJ	10600DY	19.2UYUJ	164000DYJ	323DYJ	74500DY
LEAD	UG/L	0.6UY	4.7DY	0.6UY	69.8DY	4.3DY	6.2DYN
MAGNESIUM	UG/L	7630DY	5240DY	3840DYB	10100DYJ	7290DYJ	9000DY
MANGANESE	UG/L	1230DY	1600DY	1300DY	1490DYJ	284DYJ	1830DY
MERCURY	UG/L	0.1UY	0.1UY	0.1UY	0.2UY	0.2UY	0.2UY
NICKEL	UG/L	3.5DYB	16.8UYUJ	7.4UYUJ	28.3DYJ	5.1DYJ	60.9DY
POTASSIUM	UG/L	4450DYB	2430DYB	1480UYUJ	4240DYJ	740DYBE	1010UY
SELENIUM	UG/L	0.6UYW	0.6UY	0.6UY	5.5UYR	1.1UYN	1UY
SILICA							
SILICON							
SILVER	UG/L	1.6UY	1.6UY	1.6UY	3.8UYN	3.8UYN	4UY
SODIUM	UG/L	13800DYJ	15700DY	15200DY	41700DYJ	47700DYJ	15900DYE
THALLIUM	UG/L	0.7UY	0.7UY	0.7UY	1.4UYNW	1.4UYN	50UY
TIN							
VANADIUM	UG/L	1UY	9.5DYB	1UY	265DYJ	2UYE	8UY
ZINC	UG/L	25DYJ	48.6DY	7.5UYUJ	83.5DYJ	7.9DYJ	108DY*

Data Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:		10118	10119	10119	10120	10120	10121
SUB-SAMPLE ID:		DIS	00000	DIS	DUP	DUPDI	00000
STATION ID:		MW161	MW162	MW162	MW162	MW162	MW163
SAMPLE DATE:		03/28/1991	03/27/1991	03/27/1991	03/27/1991	03/27/1991	03/20/1991
SAMPLE TIME:		10:30	14:45	14:45	14:45	14:45	16:30
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
ALUMINUM	UG/L	77UY	36700DY	272DY	36100DY	77UY	2630DY
ANTIMONY	UG/L	42.1DYB	19UY	19UY	19UY	19UY	9.2UY
ARSENIC	UG/L	2UYN	4.4DYJBWN	2UYN	3.1DYJBN	2UYN	0.6UYUJ
BARIUM	UG/L	218DY	205DY	49.4DYB	192DYB	46.2DYB	389DY
BERYLLIUM	UG/L	1UY	3.1DYB	1UY	2.6DYB	1UY	0.75DYB
CADMIUM	UG/L	4UY	4UY	4UY	4UY	4UY	0.6UY
CALCIUM	UG/L	21400DY	17800DY	12700DY	16900DY	11700DY	48700DY
CHROMIUM	UG/L	3UY	69.4DY	3UY	46.5DY	3UY	46.8DY
COBALT	UG/L	21.3DYB	27.3DYB	4UY	24.3DYB	4UY	18DYB
COPPER	UG/L	7UY	26.2DY	7UY	20.1DYB	7UY	12.7DYB
CYANIDE	UG/L		10UY		10UY		3UY
IRON	UG/L	109DY	82400DY	453DY	74700DY	56.4DYB	8210DYJ
LEAD	UG/L	2UYN	26DYSN	2UYN	30.1DYN	2UYN	3.9DY
MAGNESIUM	UG/L	8770DY	8620DY	5320DY	8360DY	5120DY	12000DY
MANGANESE	UG/L	1390DY	695DY	267DY	633DY	231DY	873DY
MERCURY	UG/L	0.2UY	0.2UY	0.2UY	0.2UY	0.2UY	0.1UY
NICKEL	UG/L	8.4DYB	47.1DY	7UY	31.2DYB	7UY	40.2DY
POTASSIUM	UG/L	1010UY	1400DYB	1010UY	1470DYB	1010UY	4850DYB
SELENIUM	UG/L	1UY	1UY	1UY	1UY	1UY	0.87DYB
SILICA							
SILICON							
SILVER	UG/L	4UY	4UY	4UY	4UY	4UY	1.6UY
SODIUM	UG/L	16500DYJE	109000DYE	112000DYJE	106000DYE	109000DYJE	44800DY
THALLIUM	UG/L	5UYW	5UY	5UY	5UYW	5UY	0.7DYB
TIN							
VANADIUM	UG/L	8UY	98.3DY	8UY	89.7DY	8UY	35.4DYB
ZINC	UG/L	12.3DYJB*	47.4DY*	5.6DYJB*	44.9DY*	5.7DYJB*	54.6DY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: INORGANICS

SAMPLE ID:		10121	10122	10122	10123	10123	10124
SUB-SAMPLE ID:		DIS	00000	DIS	00000	DIS	00000
STATION ID:		MW163	MW164	MW164	MW165	MW165	MW166
SAMPLE DATE:		03/20/1991	03/21/1991	03/21/1991	03/20/1991	03/20/1991	03/20/1991
SAMPLE TIME:		16:30	10:10	10:10	11:10	11:10	14:30
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
ALUMINUM	UG/L	30.8DYB	13000DY	100DYB	6280DY	24DYB	
ANTIMONY	UG/L	13.2DYB	9.2UY	16.6UYUJ	9.2UY	9.2UY	19UY
ARSENIC	UG/L	10.4UYUJ	6.5UY	6.5UY	11.3UYUJ	0.6UYUJ	2UYW
BARIUM	UG/L	334DY	167DYB	101DYB	566DY	54.5DYB	98.1DYB
BERYLLIUM	UG/L	0.2UY	1.5DYB	0.2UY	0.8DYB	0.2UY	1UY
CADMIUM	UG/L	0.76DYB	0.6UY	0.6UY	1.4DYB	0.6UY	4UY
CALCIUM	UG/L	40600DY	26800DY	23400DY	41500DY	35900DY	
CHROMIUM	UG/L	1.3UY	205DY	1.3UY	76.9DY	1.9DYB	55.9DY
COBALT	UG/L	6.2DYB	12.3DYB	5DYB	39.7DYB	2UY	5.4DYB
COPPER	UG/L	1DYJ	30.8DY	2.5DYB	14.1DYB	0.9UY	18.6DYB
CYANIDE	UG/L		3UY		3UY		10UY
IRON	UG/L	4.5UY	17400DY	8.7UYUJ	19100DYJ	4.5UY	
LEAD	UG/L	0.6UY	11.8DY	0.6UY	5.3DY	0.6UY	2.4DYJBW
MAGNESIUM	UG/L	11700DY	9110DY	7970DY	5450DY	4570DYB	
MANGANESE	UG/L	601DY	267DY	304DY	3960DY	36.9DY	
MERCURY	UG/L	0.1UY	0.1UY	0.1UY	0.1UY	0.1UY	0.2UY
NICKEL	UG/L	18.1DYB	92.4DY	30.6DYB	50.8DY	3.5UY	30.3DYB
POTASSIUM	UG/L	5040DY	2000DYB	1290DYB	8050DY	7520DY	
SELENIUM	UG/L	1.3DYB	0.6UYW	1.1DYJ	1.9DYB	2.5DYB	1.5DYJBW
SILICA							
SILICON							
SILVER	UG/L	1.6UY	1.6UY	1.6UY	1.6UY	1.6UY	4UY
SODIUM	UG/L	46400DY	48400DY	50700DY	43600DY	42500DY	
THALLIUM	UG/L	0.7UY	0.7UY	0.7UY	0.7UY	0.7UY	5UYW
TIN							
VANADIUM	UG/L	1.6DYB	57.8DY	1UY	15.3DYB	2.1DYB	8DY
ZINC	UG/L	19.4DYB	47.8DY	34.9DY	58DY	2.5UYUJ	150DY

Data Format: value + detected flag + validated flag + qualifiers

DMS CHEMICAL OBSERVATIONS MATRIX
ROUNDWATER
ADUCAH PHASE II
AMPLE ANALYSIS: INORGANICS

SAMPLE ID:	10124	10125	10125	10126	10126	10127
SUB-SAMPLE ID:	DIS	00000	DIS	DUP	DUPDI	00000
STATION ID:	MW166	MW167	MW167	MW185	MW185	MW168
SAMPLE DATE:	03/20/1991	03/25/1991	03/25/1991	03/26/1991	03/26/1991	03/21/1991
SAMPLE TIME:	14:30	11:30	11:30	15:00	15:00	14:55
SAMPLE MATRIX:	GW	GW	GW	GW	GW	GW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
ALUMINUM UG/L		11600DYN*J	77UYN*	270000DYJN	17.7UYN	28000DYJ
ANTIMONY UG/L	19UY	19UY	50.1UYJB	248DYB	18.2UY	18.2UYN
ARSENIC UG/L	2UYW	2UY	2UY	14.1DY	14.1DY	1.4DYJ
BARIUM UG/L	80.9DYB	130DYB	76.7DYB	2380DY	186DYB	561DY
BERYLLIUM UG/L	1UY	1UY	1UY	53.6DY	0.6UY	1DYJ
CADMIUM UG/L	4UY	4UY	4UY	70DYJN	2.7UYN	2.7UY
CALCIUM UG/L		19300DY	18400DY	45500DY	25800DY	28000DY*
CHROMIUM UG/L	3UY	64.7DYN*J	3UYN*J	276DY	6.9UY	132DY
COBALT UG/L	4.2DYB	21.6DYB	10DYB	673DY	5.1DYB	90.2DY
COPPER UG/L	7UY	22.2DYB	7UY	158DY	2.5UY	33.8DY
CYANIDE UG/L		5UY		10UY		20UY
IRON UG/L		31300DYN*J	43.2DYBN*R	1340000DYJE	21.5UYJBE	53000DY
LEAD UG/L	2UYW	12.1DYSNJ	2.5DYBNWJ	225DYN	1.5DYJBN	22.6DY
MAGNESIUM UG/L		7200DY	6530DY	23000DY	10300DY	11200DY
MANGANESE UG/L		718DY*	471DY*	23600DY	1010DY	3150DY*
MERCURY UG/L	0.2UY	0.2UY	0.2UY	0.2UY	0.2UY	0.2UY
NICKEL UG/L	7UY	51.2DY	9.8DYB	504DY	7.1DYB	86.2DY
POTASSIUM UG/L		1010UY	1010UY	12200DY	952DYB	3750DYB
SELENIUM UG/L	1.1DYB	1.6DYBWJ	1UY	5.5UY	1.1UY	1.1UYN
SILICA						
SILICON						
SILVER UG/L	4UY	4UY	4UY	390DY	3.8UY	3.8UY
SODIUM UG/L		90000DY	97700DY	23800DYJE	26900DYE	23200DY*
THALLIUM UG/L	5UYW	5UY	5UY	1.4UYWN	1.4UYWN	1.4UYWN
TIN						
VANADIUM UG/L	8UY	32.6DYJB	8UY	750DY	2UY	48.9DYB
ZINC UG/L	70.9DY	62.3DY	32.5DY	1960DYJ*	6.9DYB*	150DY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: INORGANICS

SAMPLE ID:		10127	10128	10128	10129	10129	10130
SUB-SAMPLE ID:		DIS	00000	DIS	DUP	DUPDI	00000
STATION ID:		MW168	MW169	MW169	MW169	MW169	MW170
SAMPLE DATE:		03/21/1991	03/25/1991	03/25/1991	03/25/1991	03/25/1991	03/25/1991
SAMPLE TIME:		14:55	16:20	16:20	16:20	16:20	15:20
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
ALUMINUM	UG/L	117DYB*	8400DYBN*J	77UYN*	7620DYBN*J	77UYN*	3960DYBN*J
ANTIMONY	UG/L	18.2UYN	25.1UYJB	19UY	28.4UYJB	54.9UYJB	19UY
ARSENIC	UG/L	0.9UYN	2UY	2UY	2UY	2UY	2UY
BARIUM	UG/L	206DY	302DY	131DYB	291DY	128DYB	239DY
BERYLLIUM	UG/L	0.6UY	1UY	1UY	1UY	1UY	1UY
CADMIUM	UG/L	2.7UY	4UY	4UY	4UY	4UY	4UY
CALCIUM	UG/L	23800DYJ	19500DY	19200DY	19000DY	18700DY	27100DY
CHROMIUM	UG/L	6.9UY	61.6DYN*J	3UYN*J	62.7DYN*J	3UYN*J	42.8DYN*J
COBALT	UG/L	13.3DYB	14.3DYB	4UY	14.2DYB	4UY	15.9DYB
COPPER	UG/L	2.5UY	11.4DYB	7UY	12DYJB	7UY	8.8DYJB
CYANIDE	UG/L		5UY		5UY		5UY
IRON	UG/L	125DY	16300DYN*J	37UYN*R	15200DYN*J	37UYN*R	13900DYN*J
LEAD	UG/L	4DY	9.7DYNSJ	3.8DYNWJ	17.5DYNSJ	2UYNW	8.4DYSNJ
MAGNESIUM	UG/L	8450DY	7430DY	6990DY	7240DY	6800DY	10900DY
MANGANESE	UG/L	1360DYJ	1970DY*	160DY*	1900DY*	153DY*	1250DY*
MERCURY	UG/L	0.2UY	0.2UY	0.2UY	0.2UY	0.2UY	0.2UY
NICKEL	UG/L	9.1DYB	51.6DY	7UY	48.2DY	7.8DYB	24.4DYB
POTASSIUM	UG/L	974DYB	5290DY	4420DYB	4510DYB	3590DYB	1010UY
SELENIUM	UG/L	1.1UYN	1UY	1UYW	1UY	1UYW	1.8DYB
SILICA							
SILICON							
SILVER	UG/L	3.8UY	4UY	4UY	120DY	4UY	4UY
SODIUM	UG/L	23200DYJ	16000DY	16900DY	15700DY	16500DY	65900DY
THALLIUM	UG/L	1.4UYWN	5UY	5UY	5UY	5UYW	5UYW
TIN							
VANADIUM	UG/L	2UY	14DYJB	8UY	13.8DYJB	8UY	12.2DYJB
ZINC	UG/L	20.6UYUJ	84DY	17DYB	110DY	12.4DYB	33.3DY

Data Format: value + detected flag + validated flag + qualifiers

DMS CHEMICAL OBSERVATIONS MATRIX
ROUNDWATER
ADUCAH PHASE II
AMPLE ANALYSIS: INORGANICS

SAMPLE ID:	10130	10131	10131	10132	10132	10133
SUB-SAMPLE ID:	DIS	00000	DIS	00000	DIS	00000
STATION ID:	MW170	MW171	MW171	MW172	MW172	MW173
SAMPLE DATE:	03/25/1991	03/19/1991	03/19/1991	03/26/1991	03/26/1991	03/26/1991
SAMPLE TIME:	15:20	16:15	16:15	13:45	13:45	16:30
SAMPLE MATRIX:	GW	GW	GW	GW	GW	GW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
ALUMINUM UG/L	77UYN*	34800DY	97.5DYB	5210DY	19.5UY	98500DY
ANTIMONY UG/L	40.3UYJB	19UY	19UY	9.2UY	22.4UYUJ	99.5DYJ
ARSENIC UG/L	2UY	8.6DYB	2UYW	15UYUJ	6.5UY	64.6DY
BARIUM UG/L	217DY	237DY	50.2DYB	87.9DYB	51.1DYB	580DY
BERYLLIUM UG/L	1UY	2.2DYB	1UY	0.65DYB	0.2UY	36.6DY
CADMIUM UG/L	4UY	4UY	4UY	0.6UY	0.6UY	11.2DYJ
CALCIUM UG/L	27600DY	13900DY	10700DY	11300DY	9750DY	93800DY
CHROMIUM UG/L	3UYN*J	35.8DY	3UY	94.3DY	2UYUJ	611DY
COBALT UG/L	14.2DYB	22.6DYB	4UY	6.2DYB	2UY	195DY
COPPER UG/L	7UY	17.7DYB	7UY	11.3DYB	1.1DYB	242DY
CYANIDE UG/L		10UY		3UY		3UY
IRON UG/L	7890DYN*J	49300DY	139DY	11500DY	44.8UYUJ	601000DY
LEAD UG/L	4.6DYNWJ	23.2DYJS	2UYW	6.7DY	0.6UY	38.9DY
MAGNESIUM UG/L	11100DY	8750DY	5940DY	4140DYB	3570DYB	11800DY
MANGANESE UG/L	1250DY*	1060DY	276DY	169DY	77.5DY	2920DY
MERCURY UG/L	0.2UY	0.2UY	0.2UY	0.1UY	0.1UY	0.26DY
NICKEL UG/L	7UY	22.5DYB	7UY	38.2DYB	5.8DYB	274DY
POTASSIUM UG/L	1010UY	2110DYB	1010UY	942DYB	653DYB	23100DY
SELENIUM UG/L	1DY	1UYW	1UYJW	0.6UYW	0.6UYW	0.6UYNW
SILICA						
SILICON						
SILVER UG/L	4UY	16.5DYJ	4UY	1.6UY	1.6UY	2DYB
SODIUM UG/L	69200DY	85100DY	89700DY	36400DY	36700DY	29100DYJ
THALLIUM UG/L	5UYW	5UY	5UY	0.7UY	0.7UY	0.8DYB
TIN						
VANADIUM UG/L	8UYJ	71.3DY	8UY	20DYB	1UY	574DYJ
ZINC UG/L	6.8DYB	63.7DY	6DYB	44.3DY	35.1DY	1090DY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: INORGANICS

SAMPLE ID:		10133	10134	10134	10135	10135	10137
SUB-SAMPLE ID:		DIS	00000	DIS	00000	DIS	00000
STATION ID:		MW173	MW174	MW174	MW175	MW175	MW177
SAMPLE DATE:		03/26/1991	03/27/1991	03/27/1991	03/19/1991	03/19/1991	03/18/1991
SAMPLE TIME:		16:30	09:00	09:00	11:35	11:35	15:20
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
ALUMINUM	UG/L	19.5UY	6620DYJ	20.4DYJ	7720DY	19.5UY	42000DY
ANTIMONY	UG/L	18.9DYB	9.2UY	21.3DYB	10.5DYB	9.7DYB	19UY
ARSENIC	UG/L	10.7DY	6.5UY	8.6DYB	21.8UYUJ	12UYUJ	13.5DYS
BARIUM	UG/L	103DYB	123DYB	97.1DYB	411DY	380DY	351DY
BERYLLIUM	UG/L	0.2UY	0.81DYB	0.2UY	1.6DYB	0.2UY	4.6DYB
CADMIUM	UG/L	0.6UY	0.6UY	0.6UY	1.2DYB	0.6UY	4UY
CALCIUM	UG/L	50000DY	35800DY	33800DY	43900DY	44500DY	16600DY
CHROMIUM	UG/L	1.3UY	62.3DY	1.3UY	37.2DY	1.3UY	67.7DY
COBALT	UG/L	3.3DYB	6.2DYB	2.8DYB	14.1DYB	4DYB	48DYB
COPPER	UG/L	1.3DYB	23DYB	3.6DYB	20DYB	0.9UY	45.3DY
CYANIDE	UG/L		3UY		3UY		
IRON	UG/L	12.7DYJ	11100DY	17.1DYJ	52900DY	152UYUJ	91300DY
LEAD	UG/L	0.6UY	15.8DY	0.6UY	3UYUJ	0.6UY	16.9DYJS
MAGNESIUM	UG/L	3750DYB	10800DY	10200DY	16000DY	16100DY	8210DY
MANGANESE	UG/L	251DY	277DY	243DY	427DY	309DY	1460DY
MERCURY	UG/L	0.1UY	0.1UY	0.1UY	0.1UY	0.1UY	0.2UY
NICKEL	UG/L	3.8DYB	35.6DYB	13.3DYB	32.8DYB	6.6UYUJ	65.9DY
POTASSIUM	UG/L	17400DY	1530DYB	1330DYB	2580DYB	2090DYB	5320DY
SELENIUM	UG/L	0.89DYJ	0.66DYJ	0.6UYW	0.6UYW	0.6UYW	1UYW
SILICA							
SILICON							
SILVER	UG/L	1.6UY	1.6UY	1.6UY	1.6UY	1.6UY	30.3DYJ
SODIUM	UG/L	29000DYJ	82300DYJ	83200DYJ	45800DYJ	47000DYJ	67400DY
THALLIUM	UG/L	0.8DYB	0.7UY	0.7UY	0.7UYW	0.7UYW	5UY
TIN							
VANADIUM	UG/L	1.5DYB	39.8DYB	1.6DYB	27.9DYB	1UY	21.2DYB
ZINC	UG/L	3.4UYUJ	82.1DYJ	52.4DYJ	69.1DY	10.3DYB	163DY

Data Format: value + detected flag + validated flag + qualifiers

DMS CHEMICAL OBSERVATIONS MATRIX
ROUNDWATER
ADUCAH PHASE II
AMPLE ANALYSIS: INORGANICS

SAMPLE ID:		10137	10138	10138	10139	10139	10140
SUB-SAMPLE ID:		DIS	00000	DIS	00000	DIS	00000
STATION ID:		MW177	MW178	MW178	MW179	MW179	MW180
SAMPLE DATE:		03/18/1991	03/18/1991	03/18/1991	03/27/1991	03/27/1991	03/27/1991
SAMPLE TIME:		15:20	11:15	11:15	10:00	10:00	10:45
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
ALUMINUM	UG/L	119DYB	31300DY	238UYUJ	2280DYJ	99.3UYUJ	3480DY
ANTIMONY	UG/L	26.4DYB	7.5UY	7.5UY	18.2UY	18.2UY	19UY
ARSENIC	UG/L	2UYW	9.4DYJ	4.8DYB	1.8DYJ	0.9UYN	2UYN
BARIUM	UG/L	45.5DYB	738UY	117DYB	50.4DYB	33.5DYB	344DY
BERYLLIUM	UG/L	1UY	4.5DYB	0.5UY	0.6UY	0.6UY	1UY
CADMIUM	UG/L	4UY	3.4UY	3.4UY	2.7UY	2.7UY	4UY
CALCIUM	UG/L	13800DY	30300DYJ	26100DYE	69000DY	68900DY	75200DY
CHROMIUM	UG/L	3UY	140DY	6.3UY	22.1DY	6.9UY	37DY
COBALT	UG/L	4UY	65.7DY	8DYB	18.9DYB	8DYB	17.1DYB
COPPER	UG/L	7.4DYB	37.6DY	8.3UYUJ	2.5UY	2.5UY	24.9DYB
CYANIDE	UG/L				20UY		10UY
IRON	UG/L	69DYB	86900DY	171UYUJ	15900DY	292DY	11900DY
LEAD	UG/L	2UYW	35.2DY	1.4UY	2.7DYJ	1.5UYW	8.2DYJWN
MAGNESIUM	UG/L	5200DY	11400DYJ	8750DYE	21700DY	21300DY	17600DY
MANGANESE	UG/L	83.5DY	6800DYJ	2700DYE	991DY	708DY	2440DY
MERCURY	UG/L	0.2UY	0.2UY	0.2UY	0.2UY	0.2UY	0.2UY
NICKEL	UG/L	7UY	92.7DY	7.7DYB	20.8DYB	7.9DYB	78.5DY
POTASSIUM	UG/L	1210DYB	5590DY	3170DYB	3520DYB	2840DYB	3260DYB
SELENIUM	UG/L	1.1UYJBW	1.3UYW	1.3UYW	3.2DYB	3.7DYB	1.4DYB
SILICA							
SILICON							
SILVER	UG/L	4UY	2.9UY	2.9UY	3.8UY	3.8UY	4UY
SODIUM	UG/L	70700DY	58900DYJ	55900DYE	60800DY	59700DY	236000DYE
THALLIUM	UG/L	5UYW	2.4UYNW	2.4UYNW	1.4UYNW	1.4UYWN	5UYW
TIN							
VANADIUM	UG/L	8UY	57.3DY	2.6UY	4.9DYB	2UY	10.4UYJB
ZINC	UG/L	23.3DY	162DY	12.5DYB	62.8DY	8.3DYB	48.8DY*

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: INORGANICS

SAMPLE ID:		10140	10141	10141	10142	10142	10144
SUB-SAMPLE ID:		DIS	DUP	DUPDI	00000	DIS	00000
STATION ID:		MW180	MW022	MW022	MW181	MW181	MW184
SAMPLE DATE:		03/27/1991	03/29/1991	03/29/1991	03/29/1991	03/29/1991	04/03/1991
SAMPLE TIME:		10:45	12:15	12:15	09:10	09:10	09:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
ALUMINUM	UG/L	77UY	1820DYJ	19.5UYEN*	41300DYJ*	24.2DYB*	23100DYJE
ANTIMONY	UG/L	19UY	9.2UY	9.2UY	31.4UYJBN	18.2UYN	19UY
ARSENIC	UG/L	2.1DYJBN	25.2DY	6.5UY	0.9UYRN	0.9UYN	9.5DYJBNS
BARIUM	UG/L	258DY	279DY	227DY	2870DYJ*	95.3DYB*	439DYJE
BERYLLIUM	UG/L	1UY	0.2UY	0.2UY	9.8DYJ	0.6UY	3.1DYB
CADMIUM	UG/L	4UY	0.6UY	0.6UY	10.9DYJ	2.7UY	4UY
CALCIUM	UG/L	66900DY	23100DY	20900DY	57000DY	33700DY	212000DYJE
CHROMIUM	UG/L	3UY	5.6DYB	1.3UY	41.6DY	6.9UY	20.9DY
COBALT	UG/L	10.9DYB	11.6DYB	9DYB	127DY	3UY	38.7DYB
COPPER	UG/L	7UY	8.8DYB	0.9UY	49.8DY	2.5UY	7UYN
CYANIDE	UG/L		3UY		10UY		10UY
IRON	UG/L	3840DY	7050DY	2960DY	267000DYJE*	247DYJE*	175000DYJE
LEAD	UG/L	2UYWN	6.4DY	0.6UY	131DY*	1.2DYJB*	19.2DYJNS
MAGNESIUM	UG/L	16600DY	7860DY	7300DY	16600DY	10200DY	44900DYJE
MANGANESE	UG/L	1780DY	3000DY	2710DY	19300DYJ*	338DY*	9080DYJNE
MERCURY	UG/L	0.2UY	0.1UY	0.1UY	0.23DY	0.2UY	0.2UY
NICKEL	UG/L	19.5DYB	18.9DYB	14.7DYB	132DY	3.9UY	35DYB
POTASSIUM	UG/L	1630DYB	1820DYB	1490DYB	4650DYB	1290DYB	15400DY
SELENIUM	UG/L	1.4DYB	0.6UYW	0.6UYW	1.1UYRNW	1.5DYBN	1UYNW
SILICA							
SILICON							
SILVER	UG/L	4UY	1.6UY	1.6UY	3.8UYRN	3.8UYN	11.9DY
SODIUM	UG/L	190000DYJE	20700DYJ	18100DYJ	42000DY	39500DY	25700DYJE
THALLIUM	UG/L	5UYW	0.7UY	0.7UY	1.4UYN	1.4UYN	5UYNW
TIN							
VANADIUM	UG/L	8UY	2.4DYB	1UY	64.1DY	2UY	8UY
ZINC	UG/L	26.2DYJ*	48DYJ	38.7DYJ	370DYJ*	4.7UY*	181DY

Data Format: value + detected flag + validated flag + qualifiers

DMS CHEMICAL OBSERVATIONS MATRIX
ROUNDWATER
ADUCAH PHASE II
AMPLE ANALYSIS: INORGANICS

SAMPLE ID:	10144	10145	10145	10146	10146	10147
SUB-SAMPLE ID:	DIS	00000	DIS	00000	DIS	00000
STATION ID:	MW184	MW185	MW185	MW186	MW186	MW187
SAMPLE DATE:	04/03/1991	03/26/1991	03/26/1991	03/26/1991	03/26/1991	03/26/1991
SAMPLE TIME:	09:15	15:00	15:00	16:30	16:30	09:50
SAMPLE MATRIX:	GW	GW	GW	GW	GW	GW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
ALUMINUM UG/L	77UYE	266000DYJN	17.7UYN	7080DYJN	42.8UYJBN	7500DY
ANTIMONY UG/L	19UY	182UY	18.2UY	18.2UY	18.2UY	11.7UYUJ
ARSENIC UG/L	8DYJBNS	14.1DY	14.9DY	289DY	281DY	17.8UYUJ
BARIUM UG/L	93.9DYJBE	2260DY	180DYB	675DY	597DY	250DY
BERYLLIUM UG/L	1UY	54.4DY	0.6UY	0.6UY	0.6UY	0.67DYB
CADMIUM UG/L	4UY	40DYJBN	4.3DYBN	2.7UYN	2.7UYN	0.6UY
CALCIUM UG/L	209000DYJE	43500DY	24700DY	127000DY	125000DY	36700DY
CHROMIUM UG/L	3UY	347DY	6.9UY	94.9DY	6.9UY	37.9DY
COBALT UG/L	15.2DYB	664DY	4.4DYB	23.2DYB	21.1DYB	5.8DYB
COPPER UG/L	7UYN	158DY	2.5UY	27.6DY	2.5UY	21.4DYB
CYANIDE UG/L		10UY		20UY		3UY
IRON UG/L	73700DYJE	1370000DYJE	45.2UYJBE	8780DYJE	104UYJE	6730DY
LEAD UG/L	5.4DYJNW	209DYN	1.9DYJBN	15.5DYJNW	1.5UYN	7.2DY
MAGNESIUM UG/L	42200DYJE	22000DY	9840DY	62100DY	60900DY	15600DY
MANGANESE UG/L	8270DYJNE	23200DY	976DY	990DY	881DY	228DY
MERCURY UG/L	0.2UY	0.2UY	0.2UY	0.2UY	0.2UY	0.1UY
NICKEL UG/L	7UY	531DY	5.9DYB	69.1DY	30DYB	27.8DYB
POTASSIUM UG/L	13400DY	11600DY	878DYB	2480DYB	1620DYB	1360DYB
SELENIUM UG/L	1UYNW	5.5UY	3.2DYB	1.1UYW	1.1UYW	1.4DYJ
SILICA						
SILICON						
SILVER UG/L	7.7UYJB	38UY	3.8UY	3.8UY	3.8UY	1.6UY
SODIUM UG/L	26300DYJE	22200DYJE	26000DYE	279000DYJE	277000DYE	127000DY
THALLIUM UG/L	5UYNW	1.4UYWN	1.4UYWN	7UYWN	7UYWN	0.7UY
TIN						
VANADIUM UG/L	8UY	753DY	2UY	13.8DYB	2UY	12.2DYB
ZINC UG/L	4.4UYJB	1960DY*	4.7UY*	46.5DYJ*	21.3DY*	44.6DY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: INORGANICS

SAMPLE ID:		10147	10148	10148	10149	10149	10150
SUB-SAMPLE ID:		DIS	00000	DIS	00000	DIS	00000
STATION ID:		MW187	MW188	MW188	MW189	MW189	MW190
SAMPLE DATE:		03/26/1991	03/27/1991	03/27/1991	03/27/1991	03/27/1991	03/28/1991
SAMPLE TIME:		09:50	16:15	16:15	14:45	14:45	16:30
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
ALUMINUM	UG/L	19.5UY	15900DY	77UY	13500DY	77UY	2750DYJ
ANTIMONY	UG/L	9.2UY	19UY	19UY	19UY	19UY	9.2UY
ARSENIC	UG/L	8.8UYUJ	2UYWN	2UYN	2UYWN	2UYN	7.9DYB
BARIUM	UG/L	203DY	264DY	135DYB	97DYB	37.4DYB	249DY
BERYLLIUM	UG/L	0.2UY	8.5DY	1UY	1.8DYB	1UY	0.25DYB
CADMIUM	UG/L	0.6UY	4UY	4UY	4UY	4UY	0.6UY
CALCIUM	UG/L	36400DY	20900DY	18200DY	8830DY	7330DY	43200DY
CHROMIUM	UG/L	1.3UY	211DY	3UY	88.7DY	3UY	82.9DY
COBALT	UG/L	2UY	59.6DY	14.3DYB	22.8DYB	6.5DYB	4.4DYB
COPPER	UG/L	2.1DYB	31.9DY	7UY	18.2DYB	7UY	13.3DYB
CYANIDE	UG/L		10UY		10UY		3UY
IRON	UG/L	6.2DYJ	121000DY	37UY	52600DY	37UY	5250DY
LEAD	UG/L	0.6UY	16.2DYSN	2UYN	12.7DYN	2UYN	6.1DY
MAGNESIUM	UG/L	15500DY	8960DY	7620DY	2930DYB	2060DYB	20300DY
MANGANESE	UG/L	112DY	1130DY	537DY	388DY	186DY	428DY
MERCURY	UG/L	0.1UY	0.2UY	0.2UY	0.2UY	0.2UY	0.1UY
NICKEL	UG/L	14.1DYB	116DY	10.2DYB	41.2DY	7UY	43DY
POTASSIUM	UG/L	815DYB	3190DYB	1770DYB	1010UY	1010UY	988DYB
SELENIUM	UG/L	2.1DYJ	1UY	1UY	1UY	1UY	0.6UYW
SILICA							
SILICON							
SILVER	UG/L	1.6UY	4UY	4UY	4UY	4UY	1.6UY
SODIUM	UG/L	133000DY	16500DYE	16000DYJE	34700DYE	34500DYJE	149000DYJ
THALLIUM	UG/L	0.7UY	5UYW	5UYW	5UY	5UY	0.7UY
TIN							
VANADIUM	UG/L	1UY	170DY	8UY	53.3DY	8UY	9.4DYB
ZINC	UG/L	17.8DYB	185DY*	13.2DYJB*	68.8DY*	18.9DYJB*	46.7DYJ

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: INORGANICS

SAMPLE ID:		10150	10151	10151	10152	10152	10153
SUB-SAMPLE ID:		DIS	00000	DIS	00000	DIS	00000
STATION ID:		MW190	MW070	MW070	MW071	MW071	MW179
SAMPLE DATE:		03/28/1991	03/13/1991	03/13/1991	03/25/1991	03/25/1991	03/27/1991
SAMPLE TIME:		16:30	10:45	10:45	09:00	09:00	10:00
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
ALUMINUM	UG/L	19.5UYEN*	1880DY	1940DY	695DYBN*J	77UYN*	2540DYJN
ANTIMONY	UG/L	17.3DYB	9.2UY	21.2DYB	42.8UYJB	19UY	18.2UY
ARSENIC	UG/L	6.5UY	6.5UY	6.5UY	2UY	2UY	3.4DYJB
BARIUM	UG/L	240DY	29.7DYB	24.7DYB	398DY	382DY	51.6DYB
BERYLLIUM	UG/L	0.2UY	0.37UYUJ	0.26UYUJ	1UY	1UY	0.6UY
CADMIUM	UG/L	0.6UY	0.6UY	0.6UY	4UY	4UY	2.7UYN
CALCIUM	UG/L	44100DY	102000DY	107000DY	33800DY	34100DY	69800DY
CHROMIUM	UG/L	1.3UY	126DY	65.4DY	179DYN*J	3.5UYBN*J	32.9DY
COBALT	UG/L	2UY	2UY	2UY	4UY	4UY	17.8DYB
COPPER	UG/L	0.9UY	9.2DYB	7.6DYB	7UY	7UY	2.5UY
CYANIDE	UG/L		3.9DYJ		5UY		10UY
IRON	UG/L	23.4UYUJ	592DY	301DY	1700DYN*J	73.4DYBN*J	18600DYJE
LEAD	UG/L	0.6UY	2.4DYB	1.8DYB	3.8DYWNJ	2UYN	2.9DYJBNW
MAGNESIUM	UG/L	21200DY	238DYB	339DYB	13300DY	13400DY	21900DY
MANGANESE	UG/L	397DY	11.2DYB	7.6DYB	12.2DYB*J	4.3UYB*J	953DY
MERCURY	UG/L	0.1UY	0.1UY	0.1UY	0.2UY	0.2UY	0.2UY
NICKEL	UG/L	15.1DYB	37.4DYB	3.5UY	88.7DY	69DY	23.2DYB
POTASSIUM	UG/L	925DYB	2270DYB	2180DYB	1460DYB	1780DYB	3410DYB
SELENIUM	UG/L	0.6UYW	1.2DYB	1.4DYB	1.1DYBW	1UYW	4.4DYB
SILICA							
SILICON							
SILVER	UG/L	1.6UY	1.6UY	1.6UY	4UY	4UY	3.8UY
SODIUM	UG/L	156000DYJ	29000DYJ	29200DYJ	52100DY	51600DY	61200DYJE
THALLIUM	UG/L	0.7UY	0.7UY	0.7UY	5UY	5UYW	1.4UYWN
TIN							
VANADIUM	UG/L	1UY	21.8DYB	21DYB	8UY	9.8DYJB	4.4DYB
ZINC	UG/L	29.4DYJ	62.6DY	39.5DY	11.7DYB	7.6DYB	62.3DYJ*

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: INORGANICS

SAMPLE ID:	10153	10154	10154	10155	10155	10157
SUB-SAMPLE ID:	DIS	00000	DIS	00000	DIS	00000
STATION ID:	MW179	MW194	MW194	MW195	MW195	MET 2
SAMPLE DATE:	03/27/1991	03/19/1991	03/19/1991	03/19/1991	03/19/1991	03/27/1991
SAMPLE TIME:	10:00	10:50	10:50	09:45	09:45	13:30
SAMPLE MATRIX:	GW	GW	GW	GW	GW	GW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
ALUMINUM UG/L	17.7UYN	15400DY	72.8DYB	13300DY	47.8DYB	19.5UY
ANTIMONY UG/L	18.2UY	18.2UY	31.5UYUJ	9.2UY	9.2UY	10DYB
ARSENIC UG/L	0.9UY	0.9UYR	0.9UYN	9UYUJ	14.5UYUJ	6.5UY
BARIUM UG/L	41.4DYB	298DY	132DYB	158DYB	66.1DYB	37.4DYB
BERYLLIUM UG/L	0.6UY	0.6UY	0.6UY	1.6DYB	0.21DYB	0.2UY
CADMIUM UG/L	2.7UYN	2.7UY	2.7UY	0.91DYB	0.6UY	0.6UY
CALCIUM UG/L	64900DY	16400DY	14300DY	10800DY	8590DY	67600DY
CHROMIUM UG/L	6.9UY	45.1DY	6.9UY	152DY	1.3UY	1.3UY
COBALT UG/L	16.9DYB	18.9DYB	3DYB	10.7DYB	2UY	2UY
COPPER UG/L	2.5UY	29.5DY	2.5UY	17DYB	0.9UY	0.9UY
CYANIDE UG/L		20UY		3UY		3UY
IRON UG/L	14.9UYJBE	30000DYJ	53.4UYUJ	23500DY	114UYUJ	433DY
LEAD UG/L	2.1DYJBNW	7.9DYJ	1.8DYB	14DY	0.6UY	0.6UY
MAGNESIUM UG/L	20800DY	7070DY	5800DY	4740DYB	3190DYB	9280DY
MANGANESE UG/L	1190DY	847DY	336DY	733DY	239DY	35.3DY
MERCURY UG/L	0.2UY	0.2UY	0.2UY	0.1UY	0.1UY	0.1UY
NICKEL UG/L	9.9DYB	28.9DYB	3.9UY	67.8DY	12.7UYUJ	3.5UY
POTASSIUM UG/L	4610DYB	3090DYB	1640DYB	1880DYB	739DYB	1220UYUJ
SELENIUM UG/L	3DYB	1.1UYN	1.1UYN	0.6UYW	0.6UYW	0.6UYWN
SILICA						
SILICON UG/L		24800DY	7460DY			
SILVER UG/L	3.8UY	3.8UY	3.8UY	1.6UY	1.6UY	1.6UY
SODIUM UG/L	56900DYE	21500DY	21300DY	6640DYJ	5090DYJ	6610DYJ
THALLIUM UG/L	1.4UYWN	1.4UYNW	1.4UYNW	0.7UY	0.7UY	0.7UY
TIN						
VANADIUM UG/L	2UY	28DYB	2UY	41DYB	1UY	1.4DYB
ZINC UG/L	22.9DY*	69.7DY	29UYUJ	49.6DY	22.8DY	7DYB

Data Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:		10158	10160	10168	10168	10169	10169
SUB-SAMPLE ID:		00000	00000	00000	DIS	00000	DIS
STATION ID:		MET 3	MW193	MW202	MW202	MW182	MW182
SAMPLE DATE:		03/27/1991	05/06/1991	04/02/1991	04/02/1991	04/02/1991	04/02/1991
SAMPLE TIME:		13:15	10:15	15:45	15:45	08:35	08:35
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
ALUMINUM	UG/L	82.1DYJBN	2680DY	27400DYJ	61.9UYUJ	56500DYJ	161UYUJ
ANTIMONY	UG/L	18.2UY	8.9DYB	18.2UYN	18.2UYN	18.2UYN	18.2UYN
ARSENIC	UG/L	0.9UYW	9.5DYB	0.9DYR	0.8UYN	18.1DYJ	3.5UYUJ
BARIUM	UG/L	65.6DYB	198DYB	647DYJ	159DYBE	859DYJ	507DYE
BERYLLIUM	UG/L	0.6DYB	0.53DYB	4.1DYB	0.6UY	2.7DYB	0.8DYB
CADMIUM	UG/L	2.7UYN	1.1UY	2.7UY	2.7UY	2.7UY	2.7UY
CALCIUM	UG/L	57400DY	45300DY	22400DYJ	20200DYJ	152000DYJ	128000DYJ
CHROMIUM	UG/L	6.9UY	21.9DY	131DYJ	6.9UY	214DY	6.9UY
COBALT	UG/L	10.5DYB	2.4UY	34.6DYB	3UY	70.8DY	40DYB
COPPER	UG/L	2.5UY	3.2DYJB	41.7UYUJ	13.5UYUJ	158DY	14.8UYUJ
CYANIDE	UG/L	20UY	3UY	10UY		10UY	
IRON	UG/L	400DYJE	5960DY	106000DYJ	63.5UYUJ	64500DYJ	1370DYJ
LEAD	UG/L	1.5UYN	1.9UYJB	23.2DY	1.2DYJ	29.7DY	3.1DYJ
MAGNESIUM	UG/L	8040DY	8740DY	10200DYJ	7250DYJ	36500DYJ	32400DYJ
MANGANESE	UG/L	46.9DY	311DY	3310DYJ	696DYJ	6140DYJ	5240DYJ
MERCURY	UG/L	0.2UY	0.1UY	0.2UY	0.2UY	0.2UY	0.2UY
NICKEL	UG/L	8DYB	11.6DYB	74.7DYJ	6.8DYJ	404DY	155DY
POTASSIUM	UG/L	1040DYB	2720DYJB	4020DYJ	1330DYBE	12900DYJ	10600DYE
SELENIUM	UG/L	1.1UY	1.3UYJB	1.1DYR	1.1UYN	5.5DYR	1.1UYN
SILICA							
SILICON							
SILVER	UG/L	3.8UY	1.8UY	3.8UYN	3.8UYN	3.8UYN	3.8UYN
SODIUM	UG/L	7200DYJE	31400DYJE	22600DYJ	23100DYJ	32600DYJ	32100DYJ
THALLIUM	UG/L	1.4UYWN	0.7UY	1.4UYN	1.4UYNW	1.4UYNW	1.4UYNW
TIN							
VANADIUM	UG/L	8.7DYB	6.8DYB	93DYJ	2UYE	74.4DYJ	2UYE
ZINC	UG/L	10.2DYJB*	21.8DY	154DYJ	4.7UYE	288DYJ	4.7UYE

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: INORGANICS

SAMPLE ID:	10170	10170	10171	10171	10172	10172
SUB-SAMPLE ID:	00000	DIS	00000	DIS	00000	DIS
STATION ID:	MW191	MW191	MW192	MW192	MW200	MW200
SAMPLE DATE:	04/01/1991	04/01/1991	04/23/1991	04/23/1991	04/02/1991	04/02/1991
SAMPLE TIME:	17:00	17:00	09:55	09:55	10:30	10:30
SAMPLE MATRIX:	GW	GW	GW	GW	GW	GW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
ALUMINUM UG/L	41800DYJ	17.7UYEN	6440DYJ	56.1UYUJ	65900DYJ	85.3UYUJ
ANTIMONY UG/L	18.2UY	18.2UY	8.7UY	17.5DYB	21.4UYUJ	18.2UYN
ARSENIC UG/L	0.9UYN	0.9UYN	9.8DYB	9.1UY	1.1DYR	0.8UYN
BARIUM UG/L	344DY	39.4DYB	130DYB	91.6DYB	791DYJ	210DYE
BERYLLIUM UG/L	9.3DY	0.6UY	1.3DYB	0.2UY	9.8DY	0.6UY
CADMIUM UG/L	2.7UY	2.7UY	1.1UY	1.1UY	2.7UY	2.7UY
CALCIUM UG/L	23800DY	18900DY	20000DY	18400DY	23300DYJ	15700DYJ
CHROMIUM UG/L	314DY	6.9UY	56.9DY	2.4DYB	272DYJ	6.9UY
COBALT UG/L	55.1DY	3UY	19DYB	11UYUJ	53.4DY	3UY
COPPER UG/L	81.5DY	2.5UY	11.1UYUJ	1.4UY	63.2UYUJ	7.2UYUJ
CYANIDE UG/L	10UY		3UY		10UY	
IRON UG/L	89200DY	35.9UYUJ	7210DYJ	29UYUJ	190000DYJ	234UYUJ
LEAD UG/L	21DY	1.7UYUJ	5DY	0.5UY	32.7DY	2.1DYB
MAGNESIUM UG/L	9330DY	6910DY	7110DY	6560DY	11100DYJ	6150DYJ
MANGANESE UG/L	2440DY	156DY	279DY	226DY	1110DYJ	91.5DYJ
MERCURY UG/L	0.2UY	0.2UY	0.1UY	0.1UY	0.2UY	0.2UY
NICKEL UG/L	105DYJ	7.3DYB	39.3UYUJ	8.4UYUJ	140DYJ	5.8DYJ
POTASSIUM UG/L	4670DYB	2760DYB	1960UYUJ	1520UYUJ	5610DYJ	1110DYBE
SELENIUM UG/L	3.1DYB	3.7DYB	1.9DYJ	0.5UY	1.1UYR	1.1UYN
SILICA						
SILICON						
SILVER UG/L	3.8UY	3.8UY	1.8UY	1.8UY	3.8UYN	3.8UYN
SODIUM UG/L	40000DY	39600DY	59000DYJ	61000DYJ	29100DYJ	27300DYJ
THALLIUM UG/L	1.4UYNW	1.4UYNW	0.7UY	0.7UY	1.4UYN	1.4UYNW
TIN						
VANADIUM UG/L	304DY	2UY	22.6DYB	1.8UYUJ	180DYJ	2UYE
ZINC UG/L	174DY	11DYB	42.6DY	21.8DY	275DYJ	4.7UYE

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: INORGANICS

SAMPLE ID:		10173	10173	10174	10174	10175	10175
SUB-SAMPLE ID:		00000	DIS	00000	DIS	00000	DIS
STATION ID:		MW196	MW196	MW197	MW197	MW198	MW198
SAMPLE DATE:		04/22/1991	04/22/1991	04/03/1991	04/03/1991	05/01/1991	05/01/1991
SAMPLE TIME:		15:00	15:00	13:55	13:55	10:50	10:50
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
ALUMINUM	UG/L	8880DYB	77UY	11700DYJE	77UYE	7190DYJ*	77UY*
ANTIMONY	UG/L	36UYJBW	36UYJB	19UY	19UY	19UYN	19UYN
ARSENIC	UG/L	2UY	2UY	2UYN	2UYN	2UYRWN	2UYRWN
BARIUM	UG/L	178DYB	72.6DYBW	602DYJE	306DYJE	141DYB	116DYB
BERYLLIUM	UG/L	1UY	1UY	1DYB	1UY	1DYB	1UY
CADMIUM	UG/L	4UY	4UY	4UY	4UY	4UY	4UY
CALCIUM	UG/L	27800DY	29100DY	84700DYJE	68300DYJE	36700DY	36800DY
CHROMIUM	UG/L	31.3DY	3UY	73.4DY	3UY	85.5DY	3UY
COBALT	UG/L	8.2DYB	4.7DYB	32.7DYB	4UY	4UY	4UY
COPPER	UG/L	11.7DYB	7UY	41.3DYJN	7UYN	21.9DYB	7.8DYB
CYANIDE	UG/L	10UY		10UY			
IRON	UG/L	16400DY	37UY	26500DYJE	37UYE	8000DY	37UY
LEAD	UG/L	4.1DYJWN	2UYWNR	31.7DYJSN	9.3DYJN	3.2UYWN	2UYWN
MAGNESIUM	UG/L	11500DY	10500DY	14600DYJE	12500DYJE	14000DY	14800DY
MANGANESE	UG/L	335DY	264DY	974DYJNE	131DYJNE	125DY	57.3DY
MERCURY	UG/L	0.2UY	0.2UY	0.2UY	0.2UY	0.2UY	0.2UY
NICKEL	UG/L	27.3UYJB	8.5UYJB	58.5DY	7UY	37.4DYB	11.6DYB
POTASSIUM	UG/L	3210DYB	3060DYB	3000DYB	1760DYB	1800DYB	1580DYB
SELENIUM	UG/L	1.1UYJBW	1UYW	1.1DYJBN	1.3DYJBN	3.1DYJBN	3.4DYJBN
SILICA							
SILICON							
SILVER	UG/L	4UY	4UY	4UY	4UY	4UYN	4UYN
SODIUM	UG/L	95300DY	97700DY	25000DYJE	26900DYJE	157000DY	176000DY
THALLIUM	UG/L	5UYW	5UYW	5UYWN	5UYN	5UYN	5UYN
TIN							
VANADIUM	UG/L	20.9UYJB	9UYJB	15.4DYB	10.6DYB	30.5UYJB	23.6UYJB
ZINC	UG/L	116DY*	48.5DY*	124DY	18.4DYB	106DY	24.1UYJ

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: INORGANICS

SAMPLE ID:	10177	10177	10178	10178	10179	10179
SUB-SAMPLE ID:	00000	DIS	00000	DIS	00000	DIS
STATION ID:	MW201	MW201	MW203	MW203	MW204	MW204
SAMPLE DATE:	04/25/1991	04/25/1991	04/25/1991	04/25/1991	04/25/1991	04/25/1991
SAMPLE TIME:	16:94	16:94	10:15	10:15	09:20	09:20
SAMPLE MATRIX:	GW	GW	GW	GW	GW	GW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
ALUMINUM UG/L	16000DYJ*	77UY*	18500DYB	77UY	24900DYB	77UY
ANTIMONY UG/L	19UYN	19UYN	19UY	39.9UYJB	19UY	31.6UYJB
ARSENIC UG/L	2UYRN	2UYRN	2UY	2UY	2UY	2UY
BARIUM UG/L	530DY	254DY	324DY	217DY	542DY	408DY
BERYLLIUM UG/L	2.9DYB	1UY	3.5DYB	1UY	2.2DYB	1UY
CADMIUM UG/L	4UY	4UY	4UY	4UY	4UY	4UY
CALCIUM UG/L	46800DY	47700DY	29100DY	28800DY	41000DY	42800DY
CHROMIUM UG/L	102DY	3UY	66.7DY	3UY	88.9DY	3UY
COBALT UG/L	32.2DYB	6.2DYB	44.3DYB	24.1DYB	15.2DYB	5DYB
COPPER UG/L	18DYB	7UY	23.8DYB	7UY	27.9DY	7UY
CYANIDE UG/L	10UY		10UY		10UY	
IRON UG/L	68500DY	37UY	51300DY	612DY	40200DY	37UY
LEAD UG/L	7.2DYJWN	2UYN	10.6DYJSN	2UYWNR	8.7DYJSN	2UYNR
MAGNESIUM UG/L	15300DY	12700DY	12100DY	11400DY	17300DY	17500DY
MANGANESE UG/L	3320DY	2000DY	1410DY	1140DY	239DY	117DY
MERCURY UG/L	0.2UY	0.2UY	0.2UY	0.2UY	0.2UY	0.2UY
NICKEL UG/L	88.6DY	9.6DYB	60.2DY	16DYB	54.8DY	8.7UYJB
POTASSIUM UG/L	5140DY	2950DYB	3400DYB	1710DYB	2870DYB	1160DYB
SELENIUM UG/L	1.3DYJBWN	1UYN	1.2DYB	2.2DYB	2.7DYJBW	4.7DYB
SILICA						
SILICON						
SILVER UG/L	4UYN	4UYN	7DYB	4UY	4UY	4UY
SODIUM UG/L	35300DY	38600DY	26500DY	28100DY	65200DY	77400DY
THALLIUM UG/L	5UYWN	5UYNW	5UYW	5UYW	5UY	5UY
TIN						
VANADIUM UG/L	30.1UYJB	22UYJB	61.4DY	8UY*	84.7DY	10.5UYJB
ZINC UG/L	142DY	10.7UYJB	177DY*	31.4UYJ	141DY*	38.5UYJ*

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: INORGANICS

SAMPLE ID:		10191	10192	10193	10193	10194	10195
SUB-SAMPLE ID:		DIS	DIS	00000	DIS	DIS	DUPDI
STATION ID:		MW155	MW156	MW157	MW157	MW158	MW158
SAMPLE DATE:		05/06/1991	05/08/1991	05/06/1991	05/06/1991	05/10/1991	05/10/1991
SAMPLE TIME:		10:20	10:35	10:50	10:50	14:15	14:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
ALUMINUM	UG/L	77UY	77UY	16.1UYJB	28.7UYJB	77UY	77UY
ANTIMONY	UG/L	65.9UYJ	19UY	10.7DYB	13.7DYB	29.3DYB	19UY
ARSENIC	UG/L	2UY	2UY	14.8DY	9.1UY	3.4DYB	2UY
BARIUM	UG/L	305DYEJ	368DY	68.8DYB	92.2DYB	201DY	220DY
BERYLLIUM	UG/L	1UY	1UY	0.22UY	0.22UY	1UY	1UY
CADMIUM	UG/L	3UY	3UY	1.1UY	1.1UY	3UY	3UY
CALCIUM	UG/L	40700DYEJ	45100DY	27200DY	22300DY	25000DY	25500DY
CHROMIUM	UG/L	3UY	3UY	10.5DY	1.6UY	3UY	3UY
COBALT	UG/L	4UY	4.6DYB	2.4UY	2.4UY	4UY	4UY
COPPER	UG/L	7UY	7UY	1.4UY	2DYJB	7UY	7UY
CYANIDE	UG/L	10UY	10UY	3UY		10UY	10UY
IRON	UG/L	56.6DYB	37UY	12.1UY	12.1UY	37UY	37UY
LEAD	UG/L	2UY	2UYW	0.5UY	0.5UY	2UYW	2UYW
MAGNESIUM	UG/L	16500DYEJ	15300DY	5670DY	7620DY	8080DY	8290DY
MANGANESE	UG/L	69.2DY	509DY	0.33UY	72.4DY	1340DY	1380DY
MERCURY	UG/L	0.2UY	0.448DYJN	0.1UY	0.1UY	0.2UYN	0.2UYN
NICKEL	UG/L	7.3DYB	7UY	4.2UY	5DYB	7UY	10.9DYB
POTASSIUM	UG/L	3180DYB	2190DYB	2480DYJB	666UYJB	3080DYB	3120DYB
SELENIUM	UG/L	1.6DYB	5.5DY	1.7UYJB	0.8UYJBW	1DYB	1UY
SILICA							
SILICON							
SILVER	UG/L	4UY	4UYN	1.8UY	1.8UY	4UYN	4UYN
SODIUM	UG/L	35100DYEJ	63000DY	32500DYJE	67600DYJE	14300DY	14500DY
THALLIUM	UG/L	5UY	5UYW	0.8DYB	0.7UYW	5UY	5UY
TIN							
VANADIUM	UG/L	8UY	8UY	1.3DYB	1.1UY	8UY	8UY
ZINC	UG/L	20.7DY*	144DY	3DYB	18.7DYB	23.4DY	24.1DY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: INORGANICS

SAMPLE ID:	10196	10197	10198	10199	10200	10201
SUB-SAMPLE ID:	DIS	DIS	DIS	DIS	DUPDI	DIS
STATION ID:	MW159	MW160	MW161	MW162	MW162	MW163
SAMPLE DATE:	05/10/1991	05/10/1991	05/08/1991	05/08/1991	05/08/1991	05/09/1991
SAMPLE TIME:	11:10	14:20	15:30	14:40	14:40	11:15
SAMPLE MATRIX:	GW	GW	GW	GW	GW	GW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
ALUMINUM UG/L	48.6UYJB	77UY	15.2UY	77UY	77UY	77UY
ANTIMONY UG/L	8.7UY	19.9DYB	9.1DYB	19UY	19UY	19UY
ARSENIC UG/L	9.1UY	2UY	9.1UY	2UY	2UY	2UY
BARIUM UG/L	91.7DYB	95.3DYB	184DYB	36.8DYB	36.5DYB	314DY
BERYLLIUM UG/L	0.22UY	1UY	0.22UY	1UY	1UY	1UY
CADMIUM UG/L	1.1UY	3UY	1.1UY	3UY	3UY	3UY
CALCIUM UG/L	26400DY	22400DY	19100DY	11700DY	11200DY	40300DY
CHROMIUM UG/L	1.6UY	3UY	1.6UY	3UY	3UY	3UY
COBALT UG/L	3.6DYJB	4UY	15.3DYJB	4UY	4UY	4.1DYB
COPPER UG/L	1.4UY	7UY	4.8DYJB	7UY	7UY	7UY
CYANIDE UG/L	3UY	10UY	3UY	10UY	10UY	10UY
IRON UG/L	30.7DYB	37UY	122DY	37UY	37UY	37UY
LEAD UG/L	0.5UY	2UYW	0.5UY	2UYW	2UYW	2UYW
MAGNESIUM UG/L	3740DYB	9400DY	7530DY	5310DY	5130DY	11900DY
MANGANESE UG/L	1170DY	386DY	1050DY	224DY	213DY	449DY
MERCURY UG/L	0.1UY	0.2UYN	0.1UY	0.38DYJN	0.2UYN	0.2UYN
NICKEL UG/L	4.2UY	10.9DYB	8.3DYB	7UY	7UY	11.4DYB
POTASSIUM UG/L	1840DYJB	1010UY	1150UYJB	1010UY	1010UY	5070DY
SELENIUM UG/L	0.61UYJB	1UY	0.84UYJB	1.3DYB	1UY	2.5DYB
SILICA						
SILICON						
SILVER UG/L	1.8UY	4UYN	1.8UY	4UYN	4UYN	4UYN
SODIUM UG/L	14600DYJE	60100DY	15500DYJE	106000DY	103000DY	45600DY
THALLIUM UG/L	0.7UY	5UYW	0.7DYB	5UY	5UY	5UYW
TIN						
VANADIUM UG/L	1.1UY	8UY	1.1UY	8UY	8UY	8UY
ZINC UG/L	17.6DYB	21.5DY	25.8DY	3.6UYJB	4UYJB	25DY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: INORGANICS

SAMPLE ID:	10204	10205	10206	10207	10208	10209
SUB-SAMPLE ID:	DIS	DIS	DIS	DUPDI	DIS	DIS
STATION ID:	MW166	MW167	MW168	MW168	MW169	MW170
SAMPLE DATE:	05/13/1991	04/30/1991	05/06/1991	05/06/1991	04/29/1991	04/30/1991
SAMPLE TIME:	10:40	15:30	15:25	15:25	16:00	10:50
SAMPLE MATRIX:	GW	GW	GW	GW	GW	GW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
ALUMINUM UG/L	77UY	38.5UYJBN	77UY	77UY	77UY*	15.2UYN
ANTIMONY UG/L	27.3DYJB	25.6DYB	26UYJB	26UYJB	19UYN	22.7DYB
ARSENIC UG/L	2UYN	16.7UYJ	2UY	2UY	2UYRN	19.1UYJ
BARIUM UG/L	103DYB*	70.4DYB	223DYEJ	226DYEJ	129DYB	216DY
BERYLLIUM UG/L	1UY	0.22UY	1UY	1UY	1UY	0.22UY
CADMIUM UG/L	3UY	1.1UY	3UY	3UY	4UY	1.1UY
CALCIUM UG/L	31400DYJE*	15500DY	24600DYEJ	24800DYEJ	18200DY	25700DY
CHROMIUM UG/L	3UY	1.6UY	3UY	3UY	3UY	1.6UY
COBALT UG/L	4UY*	6.6DYB	15.4DYB	15DYB	4UY	11.1DYB
COPPER UG/L	7UY	1.4UY	7UY	7UY	7UY	1.4UY
CYANIDE UG/L	10UY	3UY	10UY	10UY	10UY	3UY
IRON UG/L	63.9DYJB*	26.9UYJB	37UY	37UY	37UY	6590DY
LEAD UG/L	2UYW	0.5DYB	2UY	2UY	2UYN	0.5UY
MAGNESIUM UG/L	6300DYJE*	5650DY	8720DYEJ	8870DYEJ	6870DY	9780DY
MANGANESE UG/L	34DYJNE*	482DY	1070DY	1070DY	109DY	1030DY
MERCURY UG/L	0.2UY	0.1UY	0.2UY	0.2UY	0.2UY	0.1UY
NICKEL UG/L	13.5DYB	6.8DYB	63DY	61.6DY	8.4DYB	4.2UY
POTASSIUM UG/L	8230DY	633DYB	1400DYB	1840DYB	3120DYB	828DYB
SELENIUM UG/L	1.7DYJBN	0.5UY	1.1DYB	1.2DYB	1UYN	0.5DYB
SILICA						
SILICON						
SILVER UG/L	4UY	1.8UY	4UY	4UY	4UYN	1.8UY
SODIUM UG/L	32000DYJE*	92500DYJE	25900DY	26500DYEJ	16200DY	63500DYJE
THALLIUM UG/L	5UY	0.7UY	5UYEJ	5UY	5UYN	0.7UY
TIN						
VANADIUM UG/L	8UY	1.1UY	8UY	8UY	19.2UYJB	1.1UY
ZINC UG/L	14.9UYJB*	27.3DY	38DY	30DY	15.2UYJB	34DY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: INORGANICS

SAMPLE ID:	10210	10211	10212	10213	10214	10216
SUB-SAMPLE ID:	DIS	DIS	DIS	DIS	DIS	DIS
STATION ID:	MW171	MW172	MW173	MW174	MW175	MW177
SAMPLE DATE:	05/07/1991	05/07/1991	05/10/1991	05/10/1991	05/07/1991	05/06/1991
SAMPLE TIME:	15:15	16:45	13:40	14:00	09:20	13:45
SAMPLE MATRIX:	GW	GW	GW	GW	GW	GW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
ALUMINUM UG/L	77UY	77UY	77UY	77UY	77UY	269DY
ANTIMONY UG/L	19UY	53.9UYJB	19UY	19UY	27.9UYJB	25.4DYJB
ARSENIC UG/L	2UY	2UY	2UY	2UY	2UY	2UYN
BARIUM UG/L	39DYBEJ	49.7DYBEJ	71.2DYB	97.5DYB	333DYEJ	46.4DYB*
BERYLLIUM UG/L	1UY	1UY	1UY	1UY	1UY	1UY
CADMIUM UG/L	3UY	3UY	3UY	3UY	3UY	3UY
CALCIUM UG/L	9020DYEJ	10000DYEJ	28000DY	37300DY	41900DYEJ	14000DYJE*
CHROMIUM UG/L	3UY	3UY	3UY	3UY	3UY	3UY
COBALT UG/L	4UY	4UY	4UY	4UY	4UY	4UY*
COPPER UG/L	7UY	7UY	7UY	7UY	7UY	7UY
CYANIDE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
IRON UG/L	37UY	37UY	37UY	37UY	37UY	37UYJ*
LEAD UG/L	2UYW	2UYW	2UYW	2UYW	2UY	2UYW
MAGNESIUM UG/L	5310DYEJ	3900DYBEJ	2310DYB	11200DY	15900DYEJ	5540DYJE*
MANGANESE UG/L	209DY	71DY	258DY	211DY	173DY	97.4DYJNE*
MERCURY UG/L	0.2UY	0.2UY	0.2UYN	0.2UYN	0.2UY	0.2UY
NICKEL UG/L	7UY	7UY	7UY	8.9DYB	7.4DYB	15.6DYB
POTASSIUM UG/L	1010UY	1010UY	7890DY	1010UY	1800DYB	1010UY
SELENIUM UG/L	1UY	1DY	2.5DYB	1.5DYJBW	1.1DYB	2.2DYJBWN
SILICA						
SILICON						
SILVER UG/L	4UY	4UY	4UYN	4UYN	4UY	4UY
SODIUM UG/L	84600DYEJ	37800DYEJ	26100DY	89300DY	43900DYEJ	63400DYJE*
THALLIUM UG/L	5UY	5UYWJ	5UY	5UY	5UY	5UY
TIN						
VANADIUM UG/L	8UY	8UY	8UY	8UY	8UY	8UY
ZINC UG/L	13.4DYB*	30DY*	12.5UYJB	21.7DY	9.4DYB*	25.3UYJ*

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: INORGANICS

SAMPLE ID:		10217	10218	10219	10220	10221	10222
SUB-SAMPLE ID:		DIS	DIS	DIS	DIS	DUPDI	DIS
STATION ID:		MW178	MW179	MW180	MW181	MW181	MW182
SAMPLE DATE:		05/01/1991	05/01/1991	05/08/1991	05/03/1991	05/03/1991	05/03/1991
SAMPLE TIME:		16:15	15:25	14:50	10:25	08:35	08:35
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
ALUMINUM	UG/L	243DYJB*	77UY*	19.8UYJB	15.2UYJB	15.2UY	150DYJB*
ANTIMONY	UG/L	19UYN	19UYN	11.2DYB	8.7UY	16.6DYB	19UYN
ARSENIC	UG/L	5.7DYJBWN	2UYRN	9.1UY	9.1UY	9.1UY	3.7DYJBWN
BARIUM	UG/L	116DYB	43.3DYB	225DY	118DYB	116DYB	541DY
BERYLLIUM	UG/L	1DYB	1UY	0.22UY	0.22UY	0.22UY	1UY
CADMIUM	UG/L	4UY	4UY	1.1UY	1.1UY	1.1UY	4UY
CALCIUM	UG/L	28600DY	84700DY	49700DY	34300DY	34200DY	165000DY
CHROMIUM	UG/L	3UY	3UY	1.6UY	3.2DYB	3.4DYB	3UY
COBALT	UG/L	7.3DYB	5.5DYB	4.8DYJB	2.4UY	2.4UY	43.7DYB
COPPER	UG/L	7UY	7UY	1.4UY	1.4UY	1.4UY	7UY
CYANIDE	UG/L	10UY	10UY	3UY	3UY	3UY	10UY
IRON	UG/L	37UY	37UY	551DY	12.1UY	18.8DYB	3920DY
LEAD	UG/L	2UYWN	2UYWN	0.5UY	0.5UY	0.5UY	2UYN
MAGNESIUM	UG/L	9890DY	25700DY	11700DY	10700DY	10600DY	39500DY
MANGANESE	UG/L	2270DY	435DY	917DY	257DY	257DY	6320DY
MERCURY	UG/L	0.2UY	0.2UY	0.1UY	0.1UY	0.1UY	0.2UY
NICKEL	UG/L	14.5DYB	7.2DYB	18.2DYB	4.2UY	7.4DYB	166DY
POTASSIUM	UG/L	4260DYB	44200DY	2480DYJB	1530UYJB	1540UYJB	12400DY
SELENIUM	UG/L	1UYN	3DYJBN	1.2UYJBW	1.2UYJB	1.4UYJB	1UYNW
SILICA							
SILICON							
SILVER	UG/L	4UYN	4UYN	1.8UY	1.8UY	1.8UY	4UYN
SODIUM	UG/L	65100DY	74000DY	170000DYJE	45700DYJE	45500DYJE	36800DY
THALLIUM	UG/L	5UYN	5UYWN	0.7UYW	0.7UY	0.7UY	5UYN
TIN							
VANADIUM	UG/L	20.1UYJB	24.2UYJB	1.1UY	1.1UY	1.1UY	32.3UYJB
ZINC	UG/L	18.4UYJB	69.4UYJ	16.7DYB	4.3DYB	4.9DYB	26.5UYJ

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: INORGANICS

SAMPLE ID:	10223	10224	10225	10226	10227	10228
SUB-SAMPLE ID:	DIS	DUPDI	DIS	DIS	DIS	DIS
STATION ID:	MW184	MW184	MW185	MW186	MW187	MW188
SAMPLE DATE:	05/03/1991	05/03/1991	05/13/1991	05/13/1991	05/13/1991	05/11/1991
SAMPLE TIME:	10:45	10:45	15:30	16:15	14:15	13:45
SAMPLE MATRIX:	GW	GW	GW	GW	GW	GW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
ALUMINUM UG/L	77UY*	77UY*	77UY	77UY	77UY	15.2UY
ANTIMONY UG/L	19UYN	19UYN	19UY	19UY	19UY	8.7UY
ARSENIC UG/L	7.7DYJBWN	6.5DYJBWN	14.7DYJN	328DYJSN	7.1DYJBN	10.2UYUJ
BARIUM UG/L	91.5DYB	87.7DYB	223DY*	729DY*	209DY*	119DYB
BERYLLIUM UG/L	1UY	1UY	1UY	1UY	1UY	0.22UY
CADMIUM UG/L	4UY	4UY	3UY	3UY	3UY	1.1UY
CALCIUM UG/L	185000DY	182000DY	30400DYJE*	154000DYJE*	40700DYJE*	17400DY
CHROMIUM UG/L	3UY	3UY	3UY	5.9DYB	3UY	1.6UY
COBALT UG/L	10.1DYB	10.3DYB	6DYB*	30.9DYB*	4UY*	10.2UYUJ
COPPER UG/L	7UY	7UY	7UY	7UY	7UY	2DYJ
CYANIDE UG/L	10UY	10UY	10UY	10UY	10UY	
IRON UG/L	57000DY	52100DY	37UYJ*	246DYJ*	37UY*	18.9UYUJ
LEAD UG/L	2UYWN	2UYWN	2UYW	2UY	2UY	0.5UY
MAGNESIUM UG/L	45800DY	45200DY	11600DYJE*	72400DYJE*	17300DYJE*	7120DY
MANGANESE UG/L	7170DY	7090DY	780DYJNE*	1120DYJNE*	100DYJNE*	312DY
MERCURY UG/L	0.2UY	0.2UY	1.83DY	0.2UY	0.2UYJ	0.1UY
NICKEL UG/L	7UY	7UY	7UY	73.7DY	7UY	7.3DYB
POTASSIUM UG/L	12900DY	12800DY	2330DYB	1150DYB	1120DYB	2390DYB
SELENIUM UG/L	1UYN	1UYN	1UYWN	1.2DYJBWN	2.5DYJBN	0.5UYN
SILICA						
SILICON						
SILVER UG/L	4UYN	4UYN	4UY	4UY	4UY	1.8DYB
SODIUM UG/L	29500DY	29000DY	29800DYJE*	323000DYJE*	142000DYJE*	14300DYJ
THALLIUM UG/L	5UYWN	5UYWN	5UYW	5UYW	5UYW	0.7UY
TIN						
VANADIUM UG/L	8UY	8.7UYJB	8UY	8.1DYB	8UY	1.5UYUJ
ZINC UG/L	8.4UYJB	7.6UYJB	19.9UYJB*	84.7DY*	26.1UYJ*	40.6DY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: INORGANICS

SAMPLE ID:	10229	10230	10231	10232	10233	10234
SUB-SAMPLE ID:	DIS	DIS	DIS	DIS	DIS	DIS
STATION ID:	MW189	MW190	MW191	MW192	MW193	MW194
SAMPLE DATE:	05/11/1991	05/13/1991	05/06/1991	05/06/1991	05/08/1991	05/01/1991
SAMPLE TIME:	11:15	15:00	15:00	16:25	14:10	14:45
SAMPLE MATRIX:	GW	GW	GW	GW	GW	GW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
ALUMINUM UG/L	15.2UY	77UY	77UY	82DYB	77UY	77UY*
ANTIMONY UG/L	13.5DYB	19UY	26UYJB	8.7UY	28.4DYB	19UYN
ARSENIC UG/L	9.1UY	2UYN	2UY	22.9DY	2UY	2UYRN
BARIUM UG/L	32DYB	246DY*	51.2DYBEJ	84DYB	247DY	132DYB
BERYLLIUM UG/L	0.22UY	1UY	1UY	0.22UY	1UY	1UY
CADMIUM UG/L	1.1UY	3UY	3UY	1.1UY	3UY	4UY
CALCIUM UG/L	7450DY	48200DYJE*	22500DYEJ	20200DY	57700DY	14600DY
CHROMIUM UG/L	1.6UY	3UY	3UY	2.8DYB	4.4DYB	3UY
COBALT UG/L	6.5UYUJ	4DY*	4UY	7DYJB	4UY	4UY
COPPER UG/L	3.4DYB	7UY	7UY	1.5DYJB	7UY	7UY
CYANIDE UG/L		10UY	10UY	3UY	10UY	10UY
IRON UG/L	14.8UYUJ	38.7DYJB*	37UY	36.1DYB	37UY	37.8DYB
LEAD UG/L	0.5UY	2UY	2UY	0.5UY	2UYW	2UYN
MAGNESIUM UG/L	2210DYB	23500DYJE*	7960DYEJ	6870DY	12000DY	6250DY
MANGANESE UG/L	167DY	411DYJNE*	140DY	219DY	194DY	193DY
MERCURY UG/L	0.1UY	0.2UY	0.2UY	0.1UY	0.2UYN	0.2UY
NICKEL UG/L	6.2DYB	23.1DYB	7.4DYB	6.6DYB	7UY	7UY
POTASSIUM UG/L	546DYB	1150DYB	5510DY	2620DYJB	2150DYB	2260DYB
SELENIUM UG/L	0.5UYNW	1UYN	5.9DY	2.5DYB	3.6DYBS	1.2DYJBN
SILICA						
SILICON						
SILVER UG/L	1.8UY	4UY	4UY	1.8UY	4UYN	4UYN
SODIUM UG/L	32000DYJ	167000DYJE*	46300DYEJ	60100DYJE	33200DY	24200DY
THALLIUM UG/L	0.7UY	5UYW	5UY	0.7UY	5UY	5UYWN
TIN						
VANADIUM UG/L	1.1UY	8UY	8UY	1.1UY	8UY	20UYJB
ZINC UG/L	8.8UYUJ	55.9UYJ*	19.2DYB	33.1DY	5.9UYJB	29.2UYJ

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: INORGANICS

SAMPLE ID:	10235	10236	10237	10238	10239	10240
SUB-SAMPLE ID:	DUPDI	DIS	DIS	DIS	DIS	00000
STATION ID:	MW194	MW195	MW196	MW197	MW198	MW199
SAMPLE DATE:	05/01/1991	05/07/1991	05/09/1991	05/03/1991	05/07/1991	05/14/1991
SAMPLE TIME:	14:45	13:50	16:15	15:00	09:30	14:30
SAMPLE MATRIX:	GW	GW	GW	GW	GW	GW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
ALUMINUM UG/L	77UY*	77UY	77UY	77UY*	77UY	17100DY
ANTIMONY UG/L	19UYN	19UY	27.4DYB	19UYN	26UYJB	9UYJ
ARSENIC UG/L	2UYRN	2UY	2UY	2UYRN	2UY	19.9UYJ
BARIUM UG/L	142DYB	64.3DYBEJ	82.3DYB	340DY	119DYBEJ	470DY
BERYLLIUM UG/L	1UY	1UY	1UY	1UY	1UY	2DYB
CADMIUM UG/L	4UY	3UY	3UY	4UY	3UY	1.8DYJ
CALCIUM UG/L	15400DY	8870DYEJ	23100DY	45100DY	37600DYEJ	40100DY
CHROMIUM UG/L	3UY	3UY	3UY	3UY	3UY	70.3DY
COBALT UG/L	4UY	4UY	4UY	4.9DYB	4UY	43.9DYB
COPPER UG/L	7UY	7UY	7UY	7UY	7UY	31.7DYJ
CYANIDE UG/L	8.33UY	10UY	10UY	10UY		
IRON UG/L	37UY	37UY	37UY	38.3DYB	37UY	56300DY
LEAD UG/L	2UYN	2UY	2UYW	2UYN	2.1DYB	6.9DY
MAGNESIUM UG/L	6560DY	3380DYBEJ	9600DY	12100DY	14600DYEJ	12400DY
MANGANESE UG/L	206DY	255DY	211DY	245DY	66.2DY	1860DY
MERCURY UG/L	0.2UY	0.2UY	0.2UYN	0.2UY	0.2UY	0.1UY
NICKEL UG/L	7UY	21.3DYB	7UY	12.3DYB	7UY	55.2DY
POTASSIUM UG/L	2090DYB	1010UY	1220DYB	2220DYB	1070DYB	4960DYB
SELENIUM UG/L	1UYWN	1.2DYB	1UY	1UYN	8.4DYS	0.5UYNW
SILICA						
SILICON						
SILVER UG/L	4UYN	4UY	4UYN	4UYN	4UY	2.5DYJ
SODIUM UG/L	25500DY	8600DYEJ	92600DY	25600DY	174000DYEJ	26300DYJ
THALLIUM UG/L	5UYN	5UYW	5UY	5UYWN	5UY	0.7UYW
TIN						
VANADIUM UG/L	19.5UYJB	8UY	8UY	24.6UYJB	8UY	47.3DYB
ZINC UG/L	35.6UYJ	17.5DYB*	15.8UYJB	32.4UYJ	6.8DYB*	119DY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: INORGANICS

SAMPLE ID:		10240	10241	10242	10243	10244	10245
SUB-SAMPLE ID:		DIS	DIS	DIS	DIS	DIS	DIS
STATION ID:		MW199	MW200	MW201	MW202	MW203	MW204
SAMPLE DATE:		05/14/1991	04/30/1991	05/07/1991	05/02/1991	05/09/1991	05/09/1991
SAMPLE TIME:		14:30	15:05	11:30	16:15	15:45	15:15
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
ALUMINUM	UG/L	15.2UY	77UY	77UY	77UY	77UY	77UY
ANTIMONY	UG/L	22.1DYJ	19UY	58.5UYJB	19UY	19UY	19UY
ARSENIC	UG/L	9.1UY	2UYR	2UY	2UYN	2UY	2UY
BARIUM	UG/L	265DY	260DY	265DYEJ	311DY*	202DY	363DY
BERYLLIUM	UG/L	0.22UY	1UY	1UY	1UY	1UY	1UY
CADMIUM	UG/L	1.1UY	4UY	3UY	3UY	3UY	3UY
CALCIUM	UG/L	38700DY	20000DY	42900DYEJ	38800DYJE*	28400DY	41200DY
CHROMIUM	UG/L	1.6UY	3UY	3.6DYB	3UY	3UY	3UY
COBALT	UG/L	17.7DYB	4UY	5.9DYB	10.2DYB*	21.2DYB	4UY
COPPER	UG/L	3.6DYJ	7UY	7UY	7UY	7UY	9.9DYB
CYANIDE	UG/L		10UY	10UY	10UY	10UY	10UY
IRON	UG/L	17.2UYJ	37UY	37UY	37UY*	1660DY	37UY
LEAD	UG/L	0.5UY	2UY	2UY	2UY	2UYW	2UYW
MAGNESIUM	UG/L	11400DY	7940DY	11900DYEJ	11500DYJE*	10900DY	16400DY
MANGANESE	UG/L	1320DY	82.3DY	2170DY	1130DYJNE*	1320DY	114DY
MERCURY	UG/L	0.1UY	0.2UY	0.2UY	0.2UY	0.2UYN	0.2UYN
NICKEL	UG/L	10.1DYB	7UY	11DYB	7UY	8.1DYB	7UY
POTASSIUM	UG/L	3810DYB	1710DYB	2110DYB	1870DYB	1240DYB	1480DYB
SELENIUM	UG/L	0.55DYJ	1UYW	1.7DYB	1UYN	1.7DYB	4.8DYB
SILICA							
SILICON							
SILVER	UG/L	2.2DYJ	4UY	4UY	4UY	4UYN	4UYN
SODIUM	UG/L	26600DYJ	34500DY	35600DYEJ	27900DYJE*	25900DY	72100DY
THALLIUM	UG/L	0.7UYW	5UYW	5UY	5UYW	5UYW	5UYW
TIN							
VANADIUM	UG/L	2UYJ	22.7UYJB	8UY	8UY	8UY	8UY
ZINC	UG/L	11UYJ	19UYJB	11.4DYB*	15.7UYJB*	27.9DY	28.7DY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: INORGANICS

SAMPLE ID:	10246	10246	10247	10247	10248	10249
SUB-SAMPLE ID:	00000	DIS	00000	DIS	DIS	DIS
STATION ID:	MW205	MW205	MW206	MW206	MW205	MW206
SAMPLE DATE:	05/13/1991	05/13/1991	05/15/1991	05/15/1991	05/21/1991	05/22/1991
SAMPLE TIME:	10:20	10:20	14:30	14:30	14:30	09:45
SAMPLE MATRIX:	GW	GW	GW	GW	GW	GW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
ALUMINUM UG/L	51600DYB	77UY	10100DY	77UY	77UY*	77UY
ANTIMONY UG/L	19UY	19UY	19UY	19UY	19UYN	19UY
ARSENIC UG/L	2UYN	2UYN	6.6DYJBN	2UYN	2UYR	2UYWN
BARIUM UG/L	1080DY*	207DY*	197DYB*	35DYB*	211DY	59DYB*
BERYLLIUM UG/L	6.1DY	1UY	3.6DYB	1UY	1UY	1UY
CADMIUM UG/L	3UY	3UY	3UY	3UY	4UY	3UY
CALCIUM UG/L	32400DYJE*	23200DYJE*	59200DYJE*	17900DYJE*	21800DY	48600DYJE*
CHROMIUM UG/L	298DY	3UY	178DY	3.1DYB	3UY	3UY
COBALT UG/L	69DY*	4UY*	49.7DYB*	4UY*	4DYB	37.8DYB*
COPPER UG/L	36.1DY	7UY	48DY	7UY	7UY	7UY
CYANIDE UG/L	10UY		10UY		10UY	10UY
IRON UG/L	128000DYJ*	42.3DYJB*	32800DYJ*	37UY*	37UY	703DYJ*
LEAD UG/L	37.3DYS	2UY	13.3DY	2UYW	2UYN	2UYW
MAGNESIUM UG/L	12200DYJE*	6430DYJE*	15700DYJE*	11900DYJE*	8710DY	16800DYJE*
MANGANESE UG/L	4640DYJN*E	357DYJNE*	708DYJNE*	4.8DYJBNE*	1020DY	832DYJNE*
MERCURY UG/L	0.2UY	0.2UY	0.2UY	0.2UY	0.2UY	0.2UY
NICKEL UG/L	196DY	12.8DYB	91.6DY	7UY	9.1DYB	17.2DYB
POTASSIUM UG/L	14500DY	11000DY	133000DY	117000DY	1750DYB	5450DY
SELENIUM UG/L	1UYN	1UYN	1UYN	1UYN	1UYN	1.4DYJBWN
SILICA						
SILICON						
SILVER UG/L	4.9DYB	4UY	4UY	4UY	4UYN	4UY
SODIUM UG/L	42600DYJE*	45700DYJE*	75900DYJE*	76800DYJE*	27400DY	62400DYJE*
THALLIUM UG/L	5UYW	5UYW	5UYW	5UY	5UYN	5UY
TIN						
VANADIUM UG/L	43.1DYB	8UY	71.3DY	8UY	21.3UYJB	8UY
ZINC UG/L	283DY*	9.6UYJB*	172DY*	10.6UYJB*	12.8UYJB	19.8UYJB*

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: INORGANICS

SAMPLE ID:		10250	10251	10252	10898	10898	10899
SUB-SAMPLE ID:		DIS	DIS	DIS	DUP	DUPDI	00000
STATION ID:		MW199	MW164	MW165	MW201	MW201	MW066
SAMPLE DATE:		05/21/1991	05/30/1991	05/29/1991	04/25/1991	04/25/1991	04/08/1991
SAMPLE TIME:		11:15	08:30	16:20	16:04	16:04	13:45
SAMPLE MATRIX:		GW	GW	GW	GW	GW	GW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
ALUMINUM	UG/L	177DYB	77UY	77UY	14600DYJ*	77UY*	77UY
ANTIMONY	UG/L	19UY	19UY	19UY	19UYN	19UYN	19UY
ARSENIC	UG/L	2UYN	2UYWN	2UYWN	2UYRN	2UYRN	2UY
BARIUM	UG/L	74.4DYB*	81.9DYB*	67.6DYB*	434DY	255DY	185DYJB
BERYLLIUM	UG/L	1UY	1UY	1UY	1.8DYB	1UY	1UY
CADMIUM	UG/L	3UY	3UY	3UY	4UY	4UY	4UY
CALCIUM	UG/L	52100DYJE*	24900DYJE*	38700DYJE*	41500DY	46100DY	37100DYJ
CHROMIUM	UG/L	3UY	3UY	3UY	79.7DY	3UY	3UY
COBALT	UG/L	37.8DYB*	9.9DYB*	4UY*	22.1DYB	6.2DYB	4UY
COPPER	UG/L	7UY	7UY	7UY	12.1DYB	7UY	7UY
CYANIDE	UG/L	10UY	10UY	10UY	10UY		10UY
IRON	UG/L	769DYJ*	57.5DYJB*	37UYJ*	49800DY	37UY	187DYJ
LEAD	UG/L	2UYW	2UYW	2UY	5.8DYJNW	2UYN	5.3DYJ
MAGNESIUM	UG/L	17500DYJE*	8350DYJE*	5780DYJE*	13900DY	12700DY	10600DYJ
MANGANESE	UG/L	878DYJNE*	622DYJNE*	24.6DYJNE*	2800DY	2050DY	11.2DYJB
MERCURY	UG/L	0.2UY	0.2UY	0.2UY	0.2UY	0.2UY	0.2UY
NICKEL	UG/L	19DYB	20.3DYB	7UY	71.4DY	12.1DYB	21.7DYB
POTASSIUM	UG/L	10600DY	2650DYB	5160DY	4380DYB	3290DYB	1260DYB
SELENIUM	UG/L	1UYN	1.8DYJBN	3.4DYJBN	1UYN	1UYN	1UY
SILICA							
SILICON							
SILVER	UG/L	4UY	4UY	4UY	4.7DYJBN	4UYN	4UY
SODIUM	UG/L	64600DYJE*	50400DYJE*	43800DYJE*	34300DY	38500DY	21400DYJ
THALLIUM	UG/L	5UY	5UY	5UY	5UYNW	5UYNW	5UY
TIN							
VANADIUM	UG/L	9.3DYB	8UY	8UY	28.7UYJB	21.7UYJB	8UY
ZINC	UG/L	38.2UYJ*	56.6UYJ*	5UYJB*	102DY	14.4UYJB	28.6DY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER
PADUCAH PHASE II
SAMPLE ANALYSIS: INORGANICS

SAMPLE ID:	10899	17063	17063
SUB-SAMPLE ID:	DIS	00000	DIS
STATION ID:	MW066	C7302	C7302
SAMPLE DATE:	04/08/1991	03/15/1991	03/15/1991
SAMPLE TIME:	13:45	13:45	13:45
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00
ALUMINUM UG/L	77UY	19.5UY	19.5UY
ANTIMONY UG/L	36.6UYJB	9.2UY	9.2UY
ARSENIC UG/L	2UY	6.5UY	6.5UY
BARIUM UG/L	177DYJB	0.67UYUJ	0.55UYUJ
BERYLLIUM UG/L	1UY	0.2UY	0.2UY
CADMIUM UG/L	4UY	0.6UY	0.6UY
CALCIUM UG/L	35800DYJ	130UYUJ	175UYUJ
CHROMIUM UG/L	3UY	5.2DYB	1.3UY
COBALT UG/L	4UY	2UY	2UY
COPPER UG/L	7UY	0.9UY	3.2UYUJ
CYANIDE UG/L		3UY	
IRON UG/L	37UY	710DY	25UYUJ
LEAD UG/L	14DYJ	0.6UY	0.6UY
MAGNESIUM UG/L	10700DYJ	13.8UY	13.8UY
MANGANESE UG/L	5.7DYJB	7.4DYB	1.2UYUJ
MERCURY UG/L	0.2UY	0.1UY	0.1UY
NICKEL UG/L	12.5DYB	3.5UY	3.5UY
POTASSIUM UG/L	1410DYB	252UY	338UYUJ
SELENIUM UG/L	1DYJ	0.6UY	0.6UY
SILICA			
SILICON			
SILVER UG/L	4UY	1.6UY	1.6UY
SODIUM UG/L	21500DYJ	114UYUJ	112UYUJ
THALLIUM UG/L	5UY	0.7UY	0.7UY
TIN			
VANADIUM UG/L	8UY	1UY	1UY
ZINC UG/L	6.7UYJB	4.6UYUJ	10.7UYUJ

Data Format: value + detected flag + validated flag + qualifiers

APPENDIX 4A-3
Groundwater: Radioactivity

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER - RADIOLOGICAL
PHASE II

SAMPLE ID:	10001	10001	10001
SUB-SAMPLE ID:	00000	DIS	DUPDI
STATION ID:	MW121	MW121	MW121
SAMPLE DATE:	03/25/1991	03/25/1991	03/25/1991
SAMPLE TIME:	14:30	14:30	14:30
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	74 +/- 11DYJW	2UY	2UY
GROSS BETA PCI/L	900 +/- 40DYJW	19 +/- 4DY	15 +/- 3DY
NEPTUNIUM-237 PCI/L	1UY	2UY	1UY
PLUTONIUM-239 PCI/L	0.2UYJC	0.07UY	0.1UY
TECHNETIUM-99 PCI/L	3.1 +/- 1.4DYJC	3UY	3UYJC
THORIUM-230 PCI/L	0.1UYRBN	0.1UY	0.08UYRBN
URANIUM-234 PCI/L	1.8 +/- 0.4DYJC	0.09UY	0.08UYJC
URANIUM-235 PCI/L	0.08UYJC	0.09UY	0.08UYJC
URANIUM-238 PCI/L	1.7 +/- 0.4DYJC	0.09UY	0.08UYJC

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER - RADIOLOGICAL
PHASE II

SAMPLE ID:	10002	10002	10003
SUB-SAMPLE ID:	00000	DIS	00000
STATION ID:	MW123	MW123	MW125
SAMPLE DATE:	03/20/1991	03/20/1991	03/20/1991
SAMPLE TIME:	09:15	09:15	14:45
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	4 +/- 2DYJW	2UYJW	2UYJW
GROSS BETA PCI/L	35 +/- 5DY	24 +/- 4DY	34 +/- 5DYJC
NEPTUNIUM-237 PCI/L	1UY	2UY	0.9UY
PLUTONIUM-239 PCI/L	2UY	0.1UYJC	0.08UYRC
TECHNETIUM-99 PCI/L	16 +/- 4DY	14 +/- 3DYJC	19 +/- 2DYJC
THORIUM-230 PCI/L	0.1UYRBN	0.2UYRC	0.2UYJC
URANIUM-234 PCI/L	0.26 +/- 0.18DYJC	0.27 +/- 0.23DYJC	0.1UYJ
URANIUM-235 PCI/L	0.09UYJC	0.1UYJC	0.1UYJ
URANIUM-238 PCI/L	0.48 +/- 0.23DYJC	0.1UYJC	0.1UYJ

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER - RADIOLOGICAL
PHASE II

SAMPLE ID:	10003	10004	10004
SUB-SAMPLE ID:	DIS	00000	DIS
STATION ID:	MW125	MW127	MW127
SAMPLE DATE:	03/20/1991	03/20/1991	03/20/1991
SAMPLE TIME:	14:45	09:35	09:35
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	2UYJW	3UYJW	3UYJW
GROSS BETA PCI/L	31 +/- 4DYJC	22 +/- 7DYJW	24 +/- 7DYJC
NEPTUNIUM-237 PCI/L	1UY	2UY	3UY
PLUTONIUM-239 PCI/L	0.1UYJ	0.09UY	0.1UYJ
TECHNETIUM-99 PCI/L	19 +/- 2DYJC	2UYJC	2UYJC
THORIUM-230 PCI/L	0.2UY	0.3UYJC	0.4UYJC
URANIUM-234 PCI/L	0.1UYJ	0.85 +/- 0.29DYJ	0.65 +/- 0.31DYJ
URANIUM-235 PCI/L	0.1UYJ	0.08UYJ	0.1UYJ
URANIUM-238 PCI/L	0.1UYJ	0.68 +/- 0.26DYJ	0.87 +/- 0.36DYJ

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10005	10005	10006
SUB-SAMPLE ID:	00000	DIS	00000
STATION ID:	MW122	MW122	MW124
SAMPLE DATE:	03/11/1991	03/11/1991	03/25/1991
SAMPLE TIME:	15:15	15:15	09:10
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	1UYJW	1UYJW	2UYJW
GROSS BETA PCI/L	29 +/- 4DY	26 +/- 4DY	29 +/- 5DYJW
NEPTUNIUM-237 PCI/L	0.7UY	1UY	2UYJ
PLUTONIUM-239 PCI/L	0.82 +/- 0.2DYJC	2UYJ	0.09UYRC
TECHNETIUM-99 PCI/L	5.9 +/- 3.2DYJ	4UY	2UYJC
THORIUM-230 PCI/L	0.3UYJD	0.3UYJD	0.1UYJC
URANIUM-234 PCI/L	0.3UYJ	0.2UY	0.08UYJC
URANIUM-235 PCI/L	0.1UY	0.2UY	0.08UYJC
URANIUM-238 PCI/L	0.2UYJ	0.2UYJ	0.1UYJC

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10006	10007	10007
SUB-SAMPLE ID:	DIS	00000	DIS
STATION ID:	MW124	MW126	MW126
SAMPLE DATE:	03/25/1991	03/11/1991	03/11/1991
SAMPLE TIME:	09:10	10:20	10:20
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	2UYJW	1UYJW	1UY
GROSS BETA PCI/L	36 +/- 5DYJW	15 +/- 4DY	12 +/- 3DY
NEPTUNIUM-237 PCI/L	4UY	1UYJ	0.8UY
PLUTONIUM-239 PCI/L	1.6 +/- 1DYRC	0.36 +/- 0.31DY	1.4 +/- 0.2DYJC
TECHNETIUM-99 PCI/L	3UYJC	4UY	4UYJC
THORIUM-230 PCI/L	0.2UYJC	0.3UYJD	0.5UYJD
URANIUM-234 PCI/L	0.1UYJC	0.09UYJC	0.1UY
URANIUM-235 PCI/L	0.1UYJC	0.09UYJC	0.1UY
URANIUM-238 PCI/L	0.2UYJC	0.09UYJC	0.1UY

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10008	10008	10008
SUB-SAMPLE ID:	00000	DIS	DUPDI
STATION ID:	MW128	MW128	MW128
SAMPLE DATE:	03/11/1991	03/11/1991	03/11/1991
SAMPLE TIME:	11:25	11:25	11:25
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	7.5 +/- 3.2DYJW	2UYJW	2UYJW
GROSS BETA PCI/L	60 +/- 8DYJW	1.7 +/- 0.4DYJW	9.3 +/- 3.4DYJW
NEPTUNIUM-237 PCI/L	2UYJC	2UYJC	2UYJC
PLUTONIUM-239 PCI/L	0.3UYJC	0.2UYJC	0.4UYJC
TECHNETIUM-99 PCI/L	3UY	3UY	3UY
THORIUM-230 PCI/L	0.5UYJC	0.6UYJC	0.5UYJC
URANIUM-234 PCI/L	1.9 +/- 0.6DYJC	1.3 +/- 0.5DYJC	1.6 +/- 0.8DYJC
URANIUM-235 PCI/L	0.1UY	0.2UY	0.3UYJC
URANIUM-238 PCI/L	1.8 +/- 0.6DYJC	2.5 +/- 0.8DYJC	1.2 +/- 0.7DYJC

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10009	10009	10010
SUB-SAMPLE ID:	00000	DIS	00000
STATION ID:	MW140	MW140	MW140
SAMPLE DATE:	03/14/1991	03/14/1991	03/14/1991
SAMPLE TIME:	11:30	11:30	11:30
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	2UYJW	1.7 +/- 1.5DYJW	2UYJW
GROSS BETA PCI/L	43 +/- 5DY	40 +/- 5DY	46 +/- 5DY
NEPTUNIUM-237 PCI/L	1UY	2UY	1UY
PLUTONIUM-239 PCI/L	0.1UY	0.17 +/- 0.12DYJC	0.2UY
TECHNETIUM-99 PCI/L	3UYJD	2UYJD	3UYJD
THORIUM-230 PCI/L	0.2UYRBN	0.4UYJD	0.3UYRBN
URANIUM-234 PCI/L	0.09UYJC	0.08UYJC	0.09UYJC
URANIUM-235 PCI/L	0.09UYJC	0.08UYJC	0.09UYJC
URANIUM-238 PCI/L	0.1UYJD	0.16 +/- 0.12DYJD	0.2UYJD

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:		10011	10011	10011
SUB-SAMPLE ID:		00000	DIS	DISRE
STATION ID:		MW141	MW141	MW141
SAMPLE DATE:		03/13/1991	03/13/1991	03/13/1991
SAMPLE TIME:		15:00	15:00	15:00
SAMPLE MATRIX:		GW	GW	GW
UPPER DEPTH:				
LOWER DEPTH:				
GROSS ALPHA	PCI/L	2UYJW	2UYJW	2UYJW
GROSS BETA	PCI/L	13 +/- 3DY	19 +/- 4DY	13 +/- 3DYJC
NEPTUNIUM-237	PCI/L	1UY	0.1UY	1UY
PLUTONIUM-239	PCI/L	0.1UYJ	0.1UY	0.2UY
TECHNETIUM-99	PCI/L	2UYJD	3UY	3UYJC
THORIUM-230	PCI/L	0.2UYJD	0.5UYJD	0.1UYJ
URANIUM-234	PCI/L	24 +/- 2DYJC	1.4 +/- 5DYJC	0.3UY
URANIUM-235	PCI/L	0.92 +/- 0.42DYJC	0.1UYJC	0.2UY
URANIUM-238	PCI/L	24 +/- 2DYJD	2 +/- 0.6DYJD	0.14 +/- 0.14DY

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10011	10012	10012
SUB-SAMPLE ID:	RE	00000	DIS
STATION ID:	MW141	MW142	MW142
SAMPLE DATE:	03/13/1991	03/14/1991	03/14/1991
SAMPLE TIME:	15:00	08:15	08:15
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	2UYJW	2UYJW	2UYJW
GROSS BETA PCI/L	17 +/- 4DYJC	7.7 +/- 2.9DY	5.5 +/- 2.7DY
NEPTUNIUM-237 PCI/L	2UYJ	2UY	4UY
PLUTONIUM-239 PCI/L	0.2UYJC	0.2UYJ	0.09UYRC
TECHNETIUM-99 PCI/L	3UYJ	3UYRBN	2UYJD
THORIUM-230 PCI/L	0.2UYJC	0.9UYRBN	1UYJD
URANIUM-234 PCI/L	0.3UYJ	0.2UYJC	0.1UYJC
URANIUM-235 PCI/L	0.1UY	0.2UYJC	0.1UYJC
URANIUM-238 PCI/L	0.2UYJ	0.2UYJD	0.2UYJD

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:		10013	10013	10014
SUB-SAMPLE ID:		00000	DIS	00000
STATION ID:		MW143	MW143	MW133
SAMPLE DATE:		03/13/1991	03/13/1991	03/01/1991
SAMPLE TIME:		14:15	14:15	15:30
SAMPLE MATRIX:		GW	GW	GW
UPPER DEPTH:				
LOWER DEPTH:				
GROSS ALPHA	PCI/L	1UYJW	1UYJW	2.2 +/- 1.8DYJW
GROSS BETA	PCI/L	15 +/- 3DY	16 +/- 3DY	17 +/- 5DYJW
NEPTUNIUM-237	PCI/L	0.6UY	4UY	1UY
PLUTONIUM-239	PCI/L	0.2UYJC	0.2UY	0.1UYC
TECHNETIUM-99	PCI/L	100 +/- 10DYJD	14 +/- 5DYJD	3UY
THORIUM-230	PCI/L	13 +/- 5DYRC	0.5UYJD	0.3UYJ
URANIUM-234	PCI/L	0.1UYJC	1UYRC	0.02UYJC
URANIUM-235	PCI/L	0.1UYJC	1UYRC	0.2UYJC
URANIUM-238	PCI/L	0.2UYJD	1UYRC	0.5UYJC

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10015	10016	10017
SUB-SAMPLE ID:	00000	00000	00000
STATION ID:	MW135	MW137	MW138
SAMPLE DATE:	03/01/1991	03/01/1991	03/13/1991
SAMPLE TIME:	10:00	15:45	09:45
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	11 +/- 3DYJW	9.8 +/- 2.8DYJW	2.5 +/- 2DYJW
GROSS BETA PCI/L	190 +/- 10DY	220 +/- 10DY	50 +/- 7DYJW
NEPTUNIUM-237 PCI/L	1UY	1UY	1UYRQ
PLUTONIUM-239 PCI/L	0.1UYC	0.1UYC	0.2UY
TECHNETIUM-99 PCI/L	140 +/- 10DY	180 +/- 10DY	27 +/- 5DYJD
THORIUM-230 PCI/L	0.2UYJ	0.09UY	0.2UYJD
URANIUM-234 PCI/L	0.3UYJ	0.1UY	1.9 +/- 1DYJC
URANIUM-235 PCI/L	0.1UY	0.1UY	0.4UYJD
URANIUM-238 PCI/L	0.56 +/- 0.29DYJ	0.1UYJ	3.8 +/- 1.4DYJC

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10017	10017	10018
SUB-SAMPLE ID:	DIS	DUPDI	00000
STATION ID:	MW138	MW138	MW132
SAMPLE DATE:	03/13/1991	03/13/1991	03/18/1991
SAMPLE TIME:	09:45	09:45	11:00
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	4.8 +/- 2.4DYJW	2.9 +/- 2DYJW	2UYJW
GROSS BETA PCI/L	44 +/- 6DYJW	43 +/- 6DYJW	9.8 +/- 3DY
NEPTUNIUM-237 PCI/L	4UY	4UY	2UYJ
PLUTONIUM-239 PCI/L	0.2UY	0.2UY	0.13 +/- 0.1DYJC
TECHNETIUM-99 PCI/L	48 +/- 9DYJC	35 +/- 6DYJD	4UYJC
THORIUM-230 PCI/L	1UYRC	0.7UYRC	0.1UYRBN
URANIUM-234 PCI/L	1.8 +/- 0.7DYJC	2 +/- 0.6DYJC	0.09UYJC
URANIUM-235 PCI/L	0.2UYJC	0.2UYJC	0.09UYJC
URANIUM-238 PCI/L	2.7 +/- 0.9DYJD	3.7 +/- 0.9DYJD	0.1UYJC

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10018	10019	10019
SUB-SAMPLE ID:	DIS	00000	DIS
STATION ID:	MW132	MW132	MW132
SAMPLE DATE:	03/18/1991	03/18/1991	03/18/1991
SAMPLE TIME:	11:00	11:00	11:00
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	2UYJW	2UYJW	2UYJW
GROSS BETA PCI/L	6.8 +/- 2.7DY	9.6 +/- 2.9DY	11 +/- 3DY
NEPTUNIUM-237 PCI/L	2UY	2UYJ	2UY
PLUTONIUM-239 PCI/L	0.1UYJC	0.2UY	0.2UYJ
TECHNETIUM-99 PCI/L	4UYJC	4UY	3UY
THORIUM-230 PCI/L	0.09UYRBN	0.2UYRBN	0.1UYRBN
URANIUM-234 PCI/L	0.27 +/- 0.22DYJC	0.18 +/- 0.16DYJC	0.21 +/- 0.19DYJC
URANIUM-235 PCI/L	0.1UYJC	0.1UYJC	0.1UYJC
URANIUM-238 PCI/L	0.1UYJC	0.2UYJC	0.1UYJC

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10020	10020	10020
SUB-SAMPLE ID:	00000	DIS	DUPDI
STATION ID:	MW139	MW139	MW139
SAMPLE DATE:	03/18/1991	03/18/1991	03/18/1991
SAMPLE TIME:	10:00	10:00	10:00
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	2UY	2UY	1UYJW
GROSS BETA PCI/L	8.9 +/- 2.8DY	12 +/- 3DY	11 +/- 3DY
NEPTUNIUM-237 PCI/L	2UYJC	4UY	3UY
PLUTONIUM-239 PCI/L	0.3UYJC	0.5UYRC	0.4UYJC
TECHNETIUM-99 PCI/L	5UYJD	5UYJD	6.3 +/- 3.2DYJD
THORIUM-230 PCI/L	0.4UYRBN	0.3UYJC	0.4UYJC
URANIUM-234 PCI/L	0.1UYJC	0.6UYJC	0.2UYJC
URANIUM-235 PCI/L	0.1UYJC	0.3UYJC	0.2UYJC
URANIUM-238 PCI/L	0.1UYJC	0.3UYJC	0.3UYJC

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10021	10021	10022
SUB-SAMPLE ID:	00000	DIS	00000
STATION ID:	MW146	MW146	MW147
SAMPLE DATE:	03/15/1991	03/15/1991	03/15/1991
SAMPLE TIME:	08:15	08:15	09:15
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	2UYJW	2UYJW	1UYJW
GROSS BETA PCI/L	16 +/- 3DY	7.1 +/- 2.8DY	7.4 +/- 2.7DY
NEPTUNIUM-237 PCI/L	2UYJC	2UY	1UYJC
PLUTONIUM-239 PCI/L	0.2UYJC	0.2UYJC	0.1UYJC
TECHNETIUM-99 PCI/L	2UYJD	1UYJD	2UYJD
THORIUM-230 PCI/L	1.3 +/- 0.8DYJC	0.3UYRBN	0.2UYRBN
URANIUM-234 PCI/L	0.1UYJC	0.3UYJC	0.22 +/- 0.18DYJC
URANIUM-235 PCI/L	0.1UYJC	0.1UYJC	0.1UYJC
URANIUM-238 PCI/L	0.3UYJC	0.1UYJC	0.52 +/- 0.27DYJC

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10022	10023	10023
SUB-SAMPLE ID:	DIS	00000	DIS
STATION ID:	MW147	MW134	MW134
SAMPLE DATE:	03/15/1991	03/18/1991	03/18/1991
SAMPLE TIME:	09:15	16:00	16:00
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	2UY	13 +/- 3DYJW	13 +/- 3DYJW
GROSS BETA PCI/L	4.3 +/- 2.5DY	160 +/- 10DY	130 +/- 10DY
NEPTUNIUM-237 PCI/L	2UY	2UYJ	3UY
PLUTONIUM-239 PCI/L	0.3UY	0.2UY	0.3UYJC
TECHNETIUM-99 PCI/L	2UYJD	190 +/- 20DYJC	110 +/- 10DYJC
THORIUM-230 PCI/L	0.1UY	0.1UYRBN	0.1UY
URANIUM-234 PCI/L	0.1UYJC	0.44 +/- 0.25DYJC	0.09UYJC
URANIUM-235 PCI/L	0.1UYJC	0.1UYJC	0.09UYJC
URANIUM-238 PCI/L	0.1UYJC	0.33 +/- 0.21DYJC	0.1UYJC

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10024	10024	10024
SUB-SAMPLE ID:	00000	DIS	RE
STATION ID:	MW144	MW144	MW144
SAMPLE DATE:	03/05/1991	03/05/1991	03/05/1991
SAMPLE TIME:	16:00	16:00	16:00
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	2UYJW	2UYJW	2UY
GROSS BETA PCI/L	29 +/- 5DYJW	29 +/- 5DYJW	23 +/- 4DYJW
NEPTUNIUM-237 PCI/L	0.8UY	1UY	2UYJD
PLUTONIUM-239 PCI/L	0.01UYJC	0.1UYJC	0.08UYJC
TECHNETIUM-99 PCI/L	6.8 +/- 3.7DYJC	45 +/- 8DYJC	6.9 +/- 3.2DYJC
THORIUM-230 PCI/L	1UYRC	0.4UYJ	0.4UYRBN
URANIUM-234 PCI/L	0.08UYJC	0.09UYJC	0.2UYJD
URANIUM-235 PCI/L	0.08UYJC	0.09UYJC	0.09UYJC
URANIUM-238 PCI/L	0.08UYJC	0.09UYJC	0.09UYJD

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:		10025	10025	10027
SUB-SAMPLE ID:		00000	DIS	00000
STATION ID:		MW145	MW145	MW148
SAMPLE DATE:		03/07/1991	03/07/1991	03/19/1991
SAMPLE TIME:		16:25	16:25	15:00
SAMPLE MATRIX:		GW	GW	GW
UPPER DEPTH:				
LOWER DEPTH:				
GROSS ALPHA	PCI/L	1UYJW	1UY	1UYJW
GROSS BETA	PCI/L	23 +/- 5DYJW	2.4 +/- 0.5DY	30 +/- 5DYJW
NEPTUNIUM-237	PCI/L	1UY	0.9UY	2UYJ
PLUTONIUM-239	PCI/L	0.1UY	0.1UY	0.08UY
TECHNETIUM-99	PCI/L	5.6 +/- 3.1DY	4.6 +/- 2.7DY	2UYJC
THORIUM-230	PCI/L	0.2UY	0.3UYRBN	0.2UY
URANIUM-234	PCI/L	4.9 +/- 0.8DY	0.2UY	0.1UY
URANIUM-235	PCI/L	0.2UY	0.2UY	0.1UY
URANIUM-238	PCI/L	6.6 +/- 0.9DY	0.2 +/- 0.19DY	0.1UY

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10027	10028	10029
SUB-SAMPLE ID:	DIS	00000	00000
STATION ID:	MW148	MW148	MW149
SAMPLE DATE:	03/19/1991	03/19/1991	03/19/1991
SAMPLE TIME:	15:00	15:00	14:25
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	1.5 +/- 1.3DYJW	1UYJW	2.8 +/- 1.8DYJW
GROSS BETA PCI/L	25 +/- 4DYJW	34 +/- 5DYJW	160 +/- 10DYJW
NEPTUNIUM-237 PCI/L	4UY	2UY	1UY
PLUTONIUM-239 PCI/L	0.08UY	0.3UYJ	0.08UY
TECHNETIUM-99 PCI/L	2UY	2UYJC	2UYJC
THORIUM-230 PCI/L	0.2UY	0.2UYJ	0.1UY
URANIUM-234 PCI/L	0.1UY	0.3UYJC	0.22 +/- 0.17DY
URANIUM-235 PCI/L	0.1UY	0.2UYJC	0.1UY
URANIUM-238 PCI/L	0.1UY	0.2UYJC	0.1UYJ

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10029	10030	10030
SUB-SAMPLE ID:	DIS	00000	DIS
STATION ID:	MW149	MW150	MW150
SAMPLE DATE:	03/19/1991	03/21/1991	03/21/1991
SAMPLE TIME:	14:25	14:35	14:35
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	3.1 +/- 1.8DYJW	1UYJW	2UYJW
GROSS BETA PCI/L	150 +/- 10DYJW	12 +/- 4DYJW	9.3 +/- 3.8DYJW
NEPTUNIUM-237 PCI/L	3UY	2UY	2UY
PLUTONIUM-239 PCI/L	0.3UY	0.08UY	0.08UY
TECHNETIUM-99 PCI/L	2UY	3UY	3UYJC
THORIUM-230 PCI/L	0.7UYJ	0.1UYJ	0.2UYRBN
URANIUM-234 PCI/L	0.29 +/- 0.17DY	0.1UY	0.2UY
URANIUM-235 PCI/L	0.1UY	0.1UY	0.09UY
URANIUM-238 PCI/L	20 +/- 2DY	0.1UYJ	0.09UY

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10030	10031	10031
SUB-SAMPLE ID:	DUPDI	00000	DIS
STATION ID:	MW150	MW151	MW151
SAMPLE DATE:	03/21/1991	03/22/1991	03/22/1991
SAMPLE TIME:	14:35	13:15	13:15
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	2UYJW	1UYJW	1UYJW
GROSS BETA PCI/L	7 +/- 3.4DYJW	4UY	4UY
NEPTUNIUM-237 PCI/L	3UY	1UY	3UY
PLUTONIUM-239 PCI/L	0.08UY	0.23 +/- 0.19DY	0.1UYJC
TECHNETIUM-99 PCI/L	4UY	3UY	16 +/- 4DY
THORIUM-230 PCI/L	0.3UYRBN	1UYRC	0.1UYJC
URANIUM-234 PCI/L	0.1UYJ	0.1UY	2UY
URANIUM-235 PCI/L	0.1UY	0.1UY	0.1UY
URANIUM-238 PCI/L	0.2UY	0.1UY	0.1UY

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10032	10032	10032
SUB-SAMPLE ID:	00000	DIS	DUP
STATION ID:	MW152	MW152	MW152
SAMPLE DATE:	03/21/1991	03/21/1991	03/21/1991
SAMPLE TIME:	10:15	10:15	10:15
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	2UYJW	2UYJW	2UYJW
GROSS BETA PCI/L	240 +/- 10DYJC	230 +/- 10DYJC	240 +/- 10DYJC
NEPTUNIUM-237 PCI/L	2UY	2UY	2UY
PLUTONIUM-239 PCI/L	0.08UYJC	0.3UYJ	0.2UYJ
TECHNETIUM-99 PCI/L	240 +/- 10DYJC	200 +/- 10DYJC	220 +/- 10DYJC
THORIUM-230 PCI/L	0.2UYJC	0.7UYJ	0.3UYRBN
URANIUM-234 PCI/L	0.2UYJ	0.1UYJ	0.2UYJ
URANIUM-235 PCI/L	0.1UYJ	0.1UYJ	0.1UYJ
URANIUM-238 PCI/L	0.1UYJ	0.2UYJ	0.1UYJ

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10033	10033	10034
SUB-SAMPLE ID:	00000	DIS	00000
STATION ID:	MW153	MW153	MW154
SAMPLE DATE:	03/21/1991	03/21/1991	04/02/1991
SAMPLE TIME:			15:25
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	14 +/- 5DYJW	2UYJW	48 +/- 6DYJW
GROSS BETA PCI/L	240 +/- 20DYJW	70 +/- 9DYJW	960 +/- 20DYJW
NEPTUNIUM-237 PCI/L	2UY	4UY	2UYJD
PLUTONIUM-239 PCI/L	0.09UYRC	0.2UY	0.18 +/- 0.18DYJ
TECHNETIUM-99 PCI/L	3UY	3UYJC	1000 +/- 100DYJC
THORIUM-230 PCI/L	0.1UYJC	3.4 +/- 0.6DYJC	1UYRC
URANIUM-234 PCI/L	4.1 +/- 0.7DY	3.4 +/- 0.6DY	3.6 +/- 0.7DY
URANIUM-235 PCI/L	0.1UY	0.09UY	0.1UYJ
URANIUM-238 PCI/L	3.7 +/- 0.7DY	2.7 +/- 0.5DY	27 +/- 2DY

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10034	10036	10037
SUB-SAMPLE ID:	DIS	00000	00000
STATION ID:	MW154	RW297	RW004
SAMPLE DATE:	04/02/1991	03/15/1991	03/04/1991
SAMPLE TIME:	15:25	15:15	09:40
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	39 +/- 6DYJW	2 +/- 1.4DY	4.8 +/- 2.2DYJW
GROSS BETA PCI/L	970 +/- 20DYJW	17 +/- 3DY	210 +/- 10DY
NEPTUNIUM-237 PCI/L	3UY	2UYJC	0.9UYJ
PLUTONIUM-239 PCI/L	0.2UY	0.2UY	0.06UYC
TECHNETIUM-99 PCI/L	850 +/- 20DY	3UYJD	230 +/- 20DYJC
THORIUM-230 PCI/L	0.5UYJD	0.2UYJ	5.1 +/- 0.9DY
URANIUM-234 PCI/L	11 +/- 3DYJC	1.1 +/- 0.7DYJC	0.06UY
URANIUM-235 PCI/L	0.4UYJC	0.3UYJC	0.08UY
URANIUM-238 PCI/L	31 +/- 4DYJC	2.5 +/- 1DYJC	0.06UY

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10038	10038	10039
SUB-SAMPLE ID:	00000	DUP	00000
STATION ID:	RW005	RW005	RW009
SAMPLE DATE:	03/07/1991	03/07/1991	03/04/1991
SAMPLE TIME:	09:00	09:00	15:00
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	1UYJW	1UYJW	2UYJW
GROSS BETA PCI/L	4UYJW	4UY	4.1 +/- 2.7DY
NEPTUNIUM-237 PCI/L	1UY	1UY	1UY
PLUTONIUM-239 PCI/L	0.09UYJC	0.1UY	0.04UYC
TECHNETIUM-99 PCI/L	5UY	3UY	5UYJC
THORIUM-230 PCI/L	0.3UYJ	0.2UY	0.3UYJC
URANIUM-234 PCI/L	0.2UY	0.2UY	0.2UYJC
URANIUM-235 PCI/L	0.2UY	0.1UY	0.1UYJC
URANIUM-238 PCI/L	0.2UY	0.1UY	0.2UYJC

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10040	10041	10042
SUB-SAMPLE ID:	00000	00000	00000
STATION ID:	RW014	RW017	RW018
SAMPLE DATE:	03/04/1991	03/08/1991	03/04/1991
SAMPLE TIME:	13:37	14:30	11:20
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	2UYJW	1UYJW	2UYJW
GROSS BETA PCI/L	4UY	370 +/- 10DY	4.9 +/- 3DYJW
NEPTUNIUM-237 PCI/L	0.9UY	1UY	1UY
PLUTONIUM-239 PCI/L	0.04UYC	0.2UYJ	0.2UYC
TECHNETIUM-99 PCI/L	4UYJC	330 +/- 10DY	6UYJC
THORIUM-230 PCI/L	0.22 +/- 0.18DY	0.9UYJD	0.2UYRB
URANIUM-234 PCI/L	0.06UY	0.1UY	0.1UY
URANIUM-235 PCI/L	0.06UY	0.1UY	0.1UY
URANIUM-238 PCI/L	0.06UY	0.2UY	0.1UY

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:		10043	10044	10045
SUB-SAMPLE ID:		00000	00000	00000
STATION ID:		RW021	RW030	RW040
SAMPLE DATE:		03/05/1991	03/08/1991	03/08/1991
SAMPLE TIME:		09:45	11:00	09:45
SAMPLE MATRIX:		GW	GW	GW
UPPER DEPTH:				
LOWER DEPTH:				
GROSS ALPHA	PCI/L	2.8 +/- 2.2DYJW	1UYJW	1UYJW
GROSS BETA	PCI/L	17 +/- 6DYJW	4UY	4UY
NEPTUNIUM-237	PCI/L	0.8UY	1UY	1UY
PLUTONIUM-239	PCI/L	0.2UYC	0.2UY	0.3UYJ
TECHNETIUM-99	PCI/L	6UYRC	4UY	3UY
THORIUM-230	PCI/L	0.3UYJ	0.4UYJ	0.5UYRBN
URANIUM-234	PCI/L	0.73 +/- 0.27DYJ	0.79 +/- 0.36DY	0.1UY
URANIUM-235	PCI/L	0.08UYJ	0.1UY	0.1UY
URANIUM-238	PCI/L	0.66 +/- 0.25DYJ	0.33 +/- 0.24DY	0.1UY

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10046	10047	10048
SUB-SAMPLE ID:	00000	00000	00000
STATION ID:	RW053	RW053	RW251
SAMPLE DATE:	03/05/1991	03/05/1991	03/15/1991
SAMPLE TIME:	10:45	10:50	08:45
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	1UYJW	2.2 +/- 1.5DYJW	1.8 +/- 1.3DYJW
GROSS BETA PCI/L	6.2 +/- 2.9DY	7.3 +/- 3DYJW	9.2 +/- 2.6DY
NEPTUNIUM-237 PCI/L	1UYJ	1UYJ	0.7UY
PLUTONIUM-239 PCI/L	0.1UYC	0.1UYC	0.3UYC
TECHNETIUM-99 PCI/L	6UYRC	6UYJC	4UYJC
THORIUM-230 PCI/L	0.7UYJ	0.4UYJ	0.3UYJ
URANIUM-234 PCI/L	0.19 +/- 0.15DYJ	0.43 +/- 0.2DYJ	0.08UYJ
URANIUM-235 PCI/L	0.08UYJ	0.07UYJ	0.08UYJ
URANIUM-238 PCI/L	0.78 +/- 0.28DYJ	1.4 +/- 0.3DYJ	0.08UYJ

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:		10049	10049	10050
SUB-SAMPLE ID:		00000	DUP	00000
STATION ID:		RW252	RW252	RW324
SAMPLE DATE:		03/05/1991	03/05/1991	03/05/1991
SAMPLE TIME:		08:15	08:15	13:15
SAMPLE MATRIX:		GW	GW	GW
UPPER DEPTH:				
LOWER DEPTH:				
GROSS ALPHA	PCI/L	1UY	2UY	1UYJW
GROSS BETA	PCI/L	3.8 +/- 2.2DY	4 +/- 2.3DY	3UY
NEPTUNIUM-237	PCI/L	1UY	0.9UY	1UY
PLUTONIUM-239	PCI/L	0.1UYC	0.1UYC	0.3UYC
TECHNETIUM-99	PCI/L	6UYJC	4UYJC	6UYRC
THORIUM-230	PCI/L	0.3UYJ	0.4UYJC	0.7UYJ
URANIUM-234	PCI/L	0.08UYJ	0.09UY	0.1UYJ
URANIUM-235	PCI/L	0.08UYJ	0.09UY	0.1UYJ
URANIUM-238	PCI/L	0.08UYJ	0.1UY	0.1UY

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10051	10052	10052
SUB-SAMPLE ID:	00000	00000	DIS
STATION ID:	RW294	MWD003	MWD003
SAMPLE DATE:	03/04/1991	03/05/1991	03/05/1991
SAMPLE TIME:	14:25	16:45	16:45
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	2UYJW	4.5 +/- 2DYJW	1.5 +/- 1.2DYJW
GROSS BETA PCI/L	6.1 +/- 3DY	27 +/- 4DY	3.1 +/- 2.2DY
NEPTUNIUM-237 PCI/L	1UYJ	1UY	1UYJ
PLUTONIUM-239 PCI/L	0.04UYC	0.3UYRC	0.06UYC
TECHNETIUM-99 PCI/L	5UYJC	5UYJC	4UYJC
THORIUM-230 PCI/L	0.2UY	0.42 +/- 0.32DYJC	0.3UYJC
URANIUM-234 PCI/L	0.06UY	0.2UY	0.1UY
URANIUM-235 PCI/L	0.06UY	0.1UYJC	0.09UY
URANIUM-238 PCI/L	0.11 +/- 0.09DY	0.1UYJC	0.1UY

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10053	10053	10054
SUB-SAMPLE ID:	00000	DIS	00000
STATION ID:	MWD004	MWD004	MWD005
SAMPLE DATE:	03/04/1991	03/04/1991	03/05/1991
SAMPLE TIME:	15:30	15:30	09:05
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	2UYJW	2UYJW	1.4 +/- 1DY
GROSS BETA PCI/L	7.6 +/- 2.8DYJW	5.6 +/- 2.6DY	10 +/- 20DY
NEPTUNIUM-237 PCI/L	1UY	1UY	1UY
PLUTONIUM-239 PCI/L	0.1UYC	0.04UYC	0.07UYC
TECHNETIUM-99 PCI/L	6UYJC	5UYJC	6UYJC
THORIUM-230 PCI/L	0.2UY	0.3UYRB	0.6UYJ
URANIUM-234 PCI/L	0.19 +/- 0.18DYJC	0.2UYJC	1.9 +/- 0.4DYJ
URANIUM-235 PCI/L	0.1UY	0.1UYJC	0.1UYJ
URANIUM-238 PCI/L	1.5 +/- 0.4DYJC	0.2UYJC	2.2 +/- 0.4DYJ

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10054	10056	10056
SUB-SAMPLE ID:	DIS	00000	DIS
STATION ID:	MWD005	MWD009	MWD009
SAMPLE DATE:	03/05/1991	03/07/1991	03/07/1991
SAMPLE TIME:	09:05	10:30	10:30
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	1.4 +/- 1DY	2UYJW	2.3 +/- 1.7DYJW
GROSS BETA PCI/L	4.4 +/- 1.8DY	80 +/- 9DY	72 +/- 8DY
NEPTUNIUM-237 PCI/L	1UY	1UY	1UY
PLUTONIUM-239 PCI/L	0.1UYC	0.1UY	0.1UY
TECHNETIUM-99 PCI/L	4UYJC	4UY	4UY
THORIUM-230 PCI/L	0.8UYJ	0.4UYJC	0.3UYRBN
URANIUM-234 PCI/L	0.22 +/- 0.21DYJ	2.5 +/- 0.7DY	2.2 +/- 0.6DY
URANIUM-235 PCI/L	0.1UYJ	0.2UY	0.2UY
URANIUM-238 PCI/L	0.28 +/- 0.22DYJ	3.3 +/- 0.8DY	17 +/- 2DY

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10058	10058	10059
SUB-SAMPLE ID:	00000	DIS	00000
STATION ID:	MWD014	MWD014	MWD014
SAMPLE DATE:	03/06/1991	03/06/1991	03/06/1991
SAMPLE TIME:	09:30	09:30	09:45
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	35 +/- 10DYJW	1UYJW	33 +/- 10DYJW
GROSS BETA PCI/L	330 +/- 30DYJW	14 +/- 3DY	270 +/- 30DYJW
NEPTUNIUM-237 PCI/L	1UY	0.9UY	1UYJ
PLUTONIUM-239 PCI/L	0.3UYC	0.2UYC	0.1UYC
TECHNETIUM-99 PCI/L	3UY	3UY	3UY
THORIUM-230 PCI/L	0.3UYJ	0.26 +/- 0.23DY	0.1UYJC
URANIUM-234 PCI/L	1.9 +/- 0.4DYJC	0.07UYJC	1.8 +/- 0.5DY
URANIUM-235 PCI/L	0.08UYJC	0.07UYJC	0.2UY
URANIUM-238 PCI/L	2.4 +/- 0.5DYJC	0.12 +/- 0.11DYJC	2.1 +/- 0.6DY

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10060	10060	10061
SUB-SAMPLE ID:	00000	DIS	00000
STATION ID:	MWD017	MWD017	MWD019
SAMPLE DATE:	03/04/1991	03/04/1991	03/05/1991
SAMPLE TIME:	10:05	10:05	11:30
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	2.3 +/- 2DYJW	2UYJW	14 +/- 5DYJW
GROSS BETA PCI/L	39 +/- 7DYJW	5.8 +/- 3.7DYJW	160 +/- 20DYJW
NEPTUNIUM-237 PCI/L	1UY	1UY	1UYJ
PLUTONIUM-239 PCI/L	0.06UYC	0.1UYC	0.1UYC
TECHNETIUM-99 PCI/L	5UYJC	6UYJC	5UYRC
THORIUM-230 PCI/L	0.2UY	0.2UYRBN	0.6UYJ
URANIUM-234 PCI/L	0.84 +/- 0.25DY	0.69 +/- 0.32DYJC	0.3UY
URANIUM-235 PCI/L	0.06UY	0.1UYJC	0.1UY
URANIUM-238 PCI/L	0.8 +/- 0.25DY	0.54 +/- 0.28DYJC	0.23 +/- 0.21DY

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:		10061	10062	10062
SUB-SAMPLE ID:		DIS	00000	DIS
STATION ID:		MWD019	MWD024	MWD024
SAMPLE DATE:		03/05/1991	03/06/1991	03/06/1991
SAMPLE TIME:		11:30	14:55	14:55
SAMPLE MATRIX:		GW	GW	GW
UPPER DEPTH:				
LOWER DEPTH:				
GROSS ALPHA	PCI/L	1.8 +/- 1.4DYJW	44 +/- 13DY	2UY
GROSS BETA	PCI/L	4UY	650 +/- 50DYJW	4.7 +/- 3.2DYJW
NEPTUNIUM-237	PCI/L	1UY	1UY	1UY
PLUTONIUM-239	PCI/L	0.1UYC	0.09UY	0.2UY
TECHNETIUM-99	PCI/L	4UYRC	3UY	3UY
THORIUM-230	PCI/L	0.3UYJ	0.2UYRBN	0.3UYJ
URANIUM-234	PCI/L	2.1 +/- 0.4DYJ	2.6 +/- 0.6DY	1.5 +/- 0.5DY
URANIUM-235	PCI/L	0.22 +/- 0.15DYJ	0.19 +/- 0.17DY	0.1UY
URANIUM-238	PCI/L	2.7 +/- 0.5DYJ	2.5 +/- 0.6DY	1.8 +/- 0.5DY

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10063	10063	10064
SUB-SAMPLE ID:	00000	DIS	00000
STATION ID:	MWD025	MWD025	MWD027
SAMPLE DATE:	03/06/1991	03/06/1991	03/06/1991
SAMPLE TIME:	09:30	09:30	16:15
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	63 +/- 20DY	4UY	13 +/- 5DY
GROSS BETA PCI/L	580 +/- 60DYJW	17 +/- 7DYJW	300 +/- 20DYJW
NEPTUNIUM-237 PCI/L	1UY	1UY	1UY
PLUTONIUM-239 PCI/L	0.2UY	0.2UY	0.2UY
TECHNETIUM-99 PCI/L	4UY	3UY	56 +/- 6DY
THORIUM-230 PCI/L	0.85 +/- 0.54DYJC	0.3UYJC	0.2UYJC
URANIUM-234 PCI/L	3.4 +/- 0.6DYJC	7.8 +/- 0.9DY	1.1 +/- 0.4DY
URANIUM-235 PCI/L	0.09UYJC	0.27 +/- 0.18DY	0.1UY
URANIUM-238 PCI/L	2.3 +/- 0.5DYJC	8.9 +/- 1DY	1.1 +/- 0.4DY

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10064	10065	10065
SUB-SAMPLE ID:	DIS	00000	DIS
STATION ID:	MWD027	RW043	RW043
SAMPLE DATE:	03/06/1991	03/07/1991	03/07/1991
SAMPLE TIME:	16:15	14:15	14:15
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	8 +/- 2.7DY	1UY	1UY
GROSS BETA PCI/L	130 +/- 10DYJW	4UYJW	4UYJW
NEPTUNIUM-237 PCI/L	1UY	1UY	1UY
PLUTONIUM-239 PCI/L	0.1UY	0.2UY	0.08UYJC
TECHNETIUM-99 PCI/L	100 +/- 10DY	3UY	4UY
THORIUM-230 PCI/L	0.4UYJ	0.3UYJ	0.5UYJ
URANIUM-234 PCI/L	0.21 +/- 0.18DY	0.3UYJ	0.4UYJ
URANIUM-235 PCI/L	0.1UY	0.2UY	0.2UY
URANIUM-238 PCI/L	0.54 +/- 0.27DY	0.3UYJ	0.4UYJ

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10066	10066	10067
SUB-SAMPLE ID:	00000	DIS	00000
STATION ID:	RW247	RW247	MW007
SAMPLE DATE:	03/07/1991	03/07/1991	04/02/1991
SAMPLE TIME:	16:00	16:00	11:00
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	0.9UY	0.9UY	1.7 +/- 1.4DYJW
GROSS BETA PCI/L	3.2 +/- 2.1DY	3UY	4.6 +/- 2.4DY
NEPTUNIUM-237 PCI/L	1UY	1UY	2UYJD
PLUTONIUM-239 PCI/L	0.2UYJC	0.2UY	0.1UY
TECHNETIUM-99 PCI/L	4UY	3UY	3UYJC
THORIUM-230 PCI/L	0.4UYJ	0.4UYJ	1UYRC
URANIUM-234 PCI/L	0.5UY	0.8UYJ	0.5UYRC
URANIUM-235 PCI/L	0.3UY	0.3UY	0.5UYRC
URANIUM-238 PCI/L	0.5UY	0.9UYJ	0.5UYRC

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10067	10068	10068
SUB-SAMPLE ID:	DIS	00000	DIS
STATION ID:	MW007	MW012	MW012
SAMPLE DATE:	04/02/1991	03/26/1991	03/26/1991
SAMPLE TIME:	11:00	11:30	11:30
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	1UYJW	2.3 +/- 1DYJW	1UYJW
GROSS BETA PCI/L	3UY	24 +/- 3DYJW	5.8 +/- 2DYJW
NEPTUNIUM-237 PCI/L	5UY	1UY	1UY
PLUTONIUM-239 PCI/L	0.2UY	0.75 +/- 0.3DYJD	1.1 +/- 0.4DYJD
TECHNETIUM-99 PCI/L	2UYJC	3UYJC	2UYJC
THORIUM-230 PCI/L	0.4UYJD	0.5UY	0.7UYJD
URANIUM-234 PCI/L	0.8 +/- 0.37DY	0.53 +/- 0.29DYJC	0.2UYJC
URANIUM-235 PCI/L	0.1UY	0.1UY	0.2UY
URANIUM-238 PCI/L	0.97 +/- 0.4DY	0.1UYJC	0.2UY

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10069	10069	10070
SUB-SAMPLE ID:	00000	DIS	00000
STATION ID:	MW021	MW021	MW022
SAMPLE DATE:	03/26/1991	03/26/1991	03/29/1991
SAMPLE TIME:	15:45	15:45	12:15
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	3UYJW	3UYJW	2.4 +/- 1.5DYJW
GROSS BETA PCI/L	14 +/- 5DYJW	7UY	48 +/- 5DY
NEPTUNIUM-237 PCI/L	2UY	2UY	2UYJD
PLUTONIUM-239 PCI/L	0.1UY	0.25 +/- 0.19DY	0.1UYJC
TECHNETIUM-99 PCI/L	2UY	3UYJC	46 +/- 5DYJC
THORIUM-230 PCI/L	0.27 +/- 0.16DYRC	0.5UYJC	0.22 +/- 0.18DYJC
URANIUM-234 PCI/L	0.3UYJC	0.3UYJC	0.3UYJD
URANIUM-235 PCI/L	0.3UYJC	0.3UY	0.3UYJC
URANIUM-238 PCI/L	0.3UYJC	0.3UYJC	0.5UYJD

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10070	10071	10071
SUB-SAMPLE ID:	DIS	00000	DIS
STATION ID:	MW022	MW038	MW038
SAMPLE DATE:	03/29/1991	04/04/1991	04/04/1991
SAMPLE TIME:	12:15	14:20	14:20
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	3.6 +/- 1.8DYJW	2UYJW	2UYJW
GROSS BETA PCI/L	60 +/- 5DY	19 +/- 4DYJW	21 +/- 4DYJD
NEPTUNIUM-237 PCI/L	4UY	2UYJC	3UY
PLUTONIUM-239 PCI/L	0.1UYJC	0.08UYJD	0.2UYJD
TECHNETIUM-99 PCI/L	62 +/- 6DYJC	26 +/- 4DYJC	21 +/- 3DYJD
THORIUM-230 PCI/L	0.2UYJC	0.2UYJD	0.3UYJD
URANIUM-234 PCI/L	0.3UYJD	0.2UYJD	0.49 +/- 0.34DYJD
URANIUM-235 PCI/L	0.3UYJC	0.2UYJD	0.2UYJD
URANIUM-238 PCI/L	0.3UYJD	0.2UYJD	1.2 +/- 0.5DYJD

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10072	10072	10073
SUB-SAMPLE ID:	00000	DIS	00000
STATION ID:	MW041	MW041	MW042
SAMPLE DATE:	04/04/1991	04/04/1991	04/04/1991
SAMPLE TIME:	15:05	15:05	10:50
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	1.9 +/- 1.5DYJW	2UYJW	2UYJW
GROSS BETA PCI/L	5.4 +/- 2.7DY	5.5 +/- 2.7DY	15 +/- 4DYJW
NEPTUNIUM-237 PCI/L	2UYJD	3UY	2UYJD
PLUTONIUM-239 PCI/L	0.1UYJ	0.09UY	0.9UYRC
TECHNETIUM-99 PCI/L	4.4 +/- 2.1DYJC	3.5 +/- 1.8DY	7.9 +/- 2.5DYJC
THORIUM-230 PCI/L	0.7UYJD	0.3UYRB	0.3UYJD
URANIUM-234 PCI/L	0.3UYJ	0.3UYJC	0.3UYJC
URANIUM-235 PCI/L	0.1UY	0.2UYJC	0.2UYJC
URANIUM-238 PCI/L	0.46 +/- 0.31DY	0.2UYJC	0.2UYJC

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10073	10074	10075
SUB-SAMPLE ID:	DIS	00000	00000
STATION ID:	MW042	MW042	MW043
SAMPLE DATE:	04/04/1991	04/04/1991	04/24/1991
SAMPLE TIME:	10:50	10:50	11:45
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	2UY	1UY	2UYJW
GROSS BETA PCI/L	15 +/- 4DYJW	5 +/- 1.7DY	6.5 +/- 2.8DY
NEPTUNIUM-237 PCI/L	3UY	2UYJD	2UY
PLUTONIUM-239 PCI/L	0.1UYRC	0.09UYRC	0.1UY
TECHNETIUM-99 PCI/L	8.1 +/- 2.2DY	3.7 +/- 2.3DYJC	2UYJC
THORIUM-230 PCI/L	0.2UYJD	0.2UYRBN	0.1UYJC
URANIUM-234 PCI/L	0.2UYJ	0.4UYJC	1.5 +/- 0.4DY
URANIUM-235 PCI/L	0.2UY	0.2UYJC	0.09UY
URANIUM-238 PCI/L	0.2UY	0.2UYJC	10 +/- 1DY

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10075	10076	10076
SUB-SAMPLE ID:	DIS	00000	DIS
STATION ID:	MW043	MW044	MW044
SAMPLE DATE:	04/24/1991	04/04/1991	04/04/1991
SAMPLE TIME:	11:45	16:15	16:15
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	2UY	2UYJW	2UYJW
GROSS BETA PCI/L	7.7 +/- 2.9DY	4.3 +/- 2.6DY	4.6 +/- 2.6DY
NEPTUNIUM-237 PCI/L	3UY	2UYJD	2UY
PLUTONIUM-239 PCI/L	0.2UY	0.05UYRC	0.3UY
TECHNETIUM-99 PCI/L	2UYJC	3UYJC	2UY
THORIUM-230 PCI/L	0.2UYRBN	1UYJD	1UYRC
URANIUM-234 PCI/L	0.1UYJC	0.3UYJ	6.1 +/- 1DY
URANIUM-235 PCI/L	0.1UYJC	0.2UY	0.1UYJ
URANIUM-238 PCI/L	0.1UYJC	0.2UYJ	5.9 +/- 1DY

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10077	10077	10078
SUB-SAMPLE ID:	00000	DIS	00000
STATION ID:	MW048	MW048	MW049
SAMPLE DATE:	04/03/1991	04/03/1991	04/03/1991
SAMPLE TIME:	14:50	14:50	15:00
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	1UYJ	1UYJ	3UYJW
GROSS BETA PCI/L	3UY	3UY	34 +/- 9DYJW
NEPTUNIUM-237 PCI/L	2UYJC	5UY	2UYJC
PLUTONIUM-239 PCI/L	0.2UYJD	0.1UYJD	0.3UYJD
TECHNETIUM-99 PCI/L	2UYJC	2.2 +/- 1.5DYJC	6.7 +/- 2.2DYJC
THORIUM-230 PCI/L	0.6UYRC	0.2UYJD	0.8UYJD
URANIUM-234 PCI/L	1UYJD	0.1UYJD	10 +/- 1DYJD
URANIUM-235 PCI/L	1UYJD	0.1UYJD	0.38 +/- 0.28DYJD
URANIUM-238 PCI/L	1.3 +/- 0.9DYJD	0.1UYJD	21 +/- 2DYJD

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10078	10082	10082
SUB-SAMPLE ID:	DIS	00000	DIS
STATION ID:	MW049	MW053	MW053
SAMPLE DATE:	04/03/1991	04/23/1991	04/23/1991
SAMPLE TIME:	15:00	14:45	14:45
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	2UYJW	1.5 +/- 1.1DYJW	1UY
GROSS BETA PCI/L	17 +/- 5DYJW	2UY	2UY
NEPTUNIUM-237 PCI/L	4UY	1UY	1UY
PLUTONIUM-239 PCI/L	0.2UYJD	5.6 +/- 1.1DYJD	29 +/- 2DYJD
TECHNETIUM-99 PCI/L	9.3 +/- 2.5DYJC	2UY	2UY
THORIUM-230 PCI/L	0.2UYJD	0.4UYJC	5.5 +/- 1.1DYJC
URANIUM-234 PCI/L	0.51 +/- 0.35DYJD	0.2UYJC	0.2UYJC
URANIUM-235 PCI/L	0.2UYJD	0.2UY	0.2UY
URANIUM-238 PCI/L	0.3UYJD	0.2UY	0.2UYJC

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10083	10083	10084
SUB-SAMPLE ID:	00000	DIS	00000
STATION ID:	MW054	MW054	MW063
SAMPLE DATE:	04/24/1991	04/24/1991	03/08/1991
SAMPLE TIME:	09:25	09:25	14:35
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	2UYJW	2UYJW	1UYJW
GROSS BETA PCI/L	4.9 +/- 2.5DY	3.4 +/- 2.3DY	3.9 +/- 2.5DY
NEPTUNIUM-237 PCI/L	1UY	4UY	1UY
PLUTONIUM-239 PCI/L	0.1UY	0.1UYJ	59 +/- 3DYJC
TECHNETIUM-99 PCI/L	2UYJC	3UYJC	3UY
THORIUM-230 PCI/L	0.1UYRBN	0.7UYJC	0.87 +/- 0.81DYJD
URANIUM-234 PCI/L	0.1UY	3.3 +/- 0.7DY	0.2UY
URANIUM-235 PCI/L	0.1UY	0.1UY	0.2UY
URANIUM-238 PCI/L	0.1UY	20 +/- 2DY	0.2UY

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10084	10085	10085
SUB-SAMPLE ID:	DIS	00000	DIS
STATION ID:	MW063	MW064	MW064
SAMPLE DATE:	03/08/1991	03/12/1991	03/12/1991
SAMPLE TIME:	14:35	09:00	09:00
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	1UY	2UYJW	2UY
GROSS BETA PCI/L	3UYJW	8.4 +/- 3.8DYJW	5UY
NEPTUNIUM-237 PCI/L	1UY	2UYJC	2UYJC
PLUTONIUM-239 PCI/L	0.1UY	0.2UY	0.1UYJ
TECHNETIUM-99 PCI/L	4UY	3UY	3UY
THORIUM-230 PCI/L	0.2UYRBN	0.3UYJC	0.6UYJC
URANIUM-234 PCI/L	0.2UY	1.1 +/- 0.8DYJC	0.78 +/- 0.43DYJC
URANIUM-235 PCI/L	0.2UY	0.4UYJC	0.2UYJ
URANIUM-238 PCI/L	0.2UY	0.6UYJD	1.2 +/- 0.5DYJD

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10086	10086	10087
SUB-SAMPLE ID:	00000	DIS	00000
STATION ID:	MW065	MW065	MW066
SAMPLE DATE:	03/08/1991	03/08/1991	03/11/1991
SAMPLE TIME:	14:20	14:20	16:00
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	0.9UY	1 +/- 1DY	1UYJW
GROSS BETA PCI/L	3UY	3.4 +/- 2.2DY	3300 +/- 100DY
NEPTUNIUM-237 PCI/L	1UYJ	1UY	1UY
PLUTONIUM-239 PCI/L	0.2UYJC	9.2 +/- 1.2DY	0.41 +/- 0.22DY
TECHNETIUM-99 PCI/L	4UY	3UY	3500 +/- 100DYJC
THORIUM-230 PCI/L	0.3UYJD	0.4UYJD	0.4UYJD
URANIUM-234 PCI/L	0.2UY	0.2UY	0.3UY
URANIUM-235 PCI/L	0.2UY	0.2UY	0.1UY
URANIUM-238 PCI/L	0.2UY	0.3UY	0.1UY

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10087	10088	10088
SUB-SAMPLE ID:	DIS	00000	DIS
STATION ID:	MW066	MW067	MW067
SAMPLE DATE:	03/11/1991	03/11/1991	03/11/1991
SAMPLE TIME:	16:00	12:00	12:00
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	1UYJW	0.9UY	0.9UY
GROSS BETA PCI/L	3100 +/- 100DY	3UY	3UY
NEPTUNIUM-237 PCI/L	1UYJ	1UY	1UY
PLUTONIUM-239 PCI/L	0.63 +/- 0.27DY	0.28 +/- 0.18DYJ	0.28 +/- 0.18DY
TECHNETIUM-99 PCI/L	3400 +/- 100DYJ	4UY	4UYJC
THORIUM-230 PCI/L	0.3UYJD	0.3UYJD	0.3UYJD
URANIUM-234 PCI/L	0.1UYJ	0.2UY	0.2UY
URANIUM-235 PCI/L	0.1UY	0.2UY	0.2UY
URANIUM-238 PCI/L	0.1UY	0.2UY	0.2UY

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10089	10090	10090
SUB-SAMPLE ID:	00000	00000	DIS
STATION ID:	MW067	MW068	MW068
SAMPLE DATE:	03/11/1991	03/14/1991	03/14/1991
SAMPLE TIME:	12:15	11:15	11:15
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	1UY	6.4 +/- 2.4DYJW	5.9 +/- 2.3DYJW
GROSS BETA PCI/L	3.2 +/- 1.9DY	120 +/- 10DY	120 +/- 10DY
NEPTUNIUM-237 PCI/L	2UYJC	1UYJ	3UY
PLUTONIUM-239 PCI/L	0.4UYJC	0.7UYJC	0.2UY
TECHNETIUM-99 PCI/L	3UY	160 +/- 10DYJD	160 +/- 10DYJD
THORIUM-230 PCI/L	0.8UYJC	0.4UYJD	1.1 +/- 0.4DYJD
URANIUM-234 PCI/L	2.5 +/- 0.7DYJC	0.1UYJC	0.2UYJC
URANIUM-235 PCI/L	0.1UY	0.1UYJC	0.1UYJC
URANIUM-238 PCI/L	3.3 +/- 0.8DYJC	0.1UYJD	0.1UYJD

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10091	10091	10092
SUB-SAMPLE ID:	00000	DIS	00000
STATION ID:	MW074	MW074	MW084
SAMPLE DATE:	03/25/1991	03/25/1991	03/19/1991
SAMPLE TIME:	14:30	14:30	15:20
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	49 +/- 7DY	5.8 +/- 2DY	21 +/- 4DYJW
GROSS BETA PCI/L	640 +/- 20DY	160 +/- 10DY	520 +/- 10DY
NEPTUNIUM-237 PCI/L	1UY	2UY	2UY
PLUTONIUM-239 PCI/L	0.08UY	0.08UYJC	0.08UY
TECHNETIUM-99 PCI/L	240 +/- 10DYJC	180 +/- 10DYJC	410 +/- 10DYJC
THORIUM-230 PCI/L	0.3UYJC	0.09UYRBN	0.2UYJC
URANIUM-234 PCI/L	3.3 +/- 0.6DYJC	0.2UYJC	0.1UY
URANIUM-235 PCI/L	0.08UYJC	0.09UYJC	0.1UY
URANIUM-238 PCI/L	5.7 +/- 0.8DYJC	0.09UYJC	0.1UY

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10092	10093	10093
SUB-SAMPLE ID:	DIS	00000	DIS
STATION ID:	MW084	MW085	MW085
SAMPLE DATE:	03/19/1991	03/12/1991	03/12/1991
SAMPLE TIME:	15:20	16:00	16:00
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	19 +/- 3DY	10 +/- 3DYJW	13 +/- 3DYJW
GROSS BETA PCI/L	460 +/- 10DY	320 +/- 10DY	440 +/- 10DY
NEPTUNIUM-237 PCI/L	1UY	2UYJC	2UYJC
PLUTONIUM-239 PCI/L	0.08UY	0.4UYJC	0.5UYJC
TECHNETIUM-99 PCI/L	390 +/- 10DY	330 +/- 20DYJC	340 +/- 10DY
THORIUM-230 PCI/L	0.3UYRBN	1UYRC	1UYRC
URANIUM-234 PCI/L	0.1UYJ	0.3UYJC	2 +/- 0.6DYJC
URANIUM-235 PCI/L	0.1UY	0.2UYJC	0.1UY
URANIUM-238 PCI/L	0.21 +/- 0.16DY	0.2UYJD	4.2 +/- 0.8DYJC

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10094	10094	10094
SUB-SAMPLE ID:	00000	DIS	DUPDI
STATION ID:	MW086	MW086	MW086
SAMPLE DATE:	03/19/1991	03/19/1991	03/19/1991
SAMPLE TIME:	11:00	11:00	11:00
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	1UYJW	1.6 +/- 1.3DYJW	1UYJW
GROSS BETA PCI/L	10 +/- 3DY	8.1 +/- 2.6DY	10 +/- 3DY
NEPTUNIUM-237 PCI/L	2UYJ	3UY	4UY
PLUTONIUM-239 PCI/L	0.07UYJC	0.3UY	0.1UY
TECHNETIUM-99 PCI/L	4UYJC	3UYJC	4UYRBN
THORIUM-230 PCI/L	0.2UYJC	0.3UY	0.5UYRC
URANIUM-234 PCI/L	0.31 +/- 0.2DYJC	0.3UYJC	0.2UYJC
URANIUM-235 PCI/L	0.1UYJC	0.2UYJC	0.2UYJC
URANIUM-238 PCI/L	2 +/- 0.5DYJC	1.6 +/- 0.6DYJC	1.7 +/- 0.6DYJC

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10095	10096	10096
SUB-SAMPLE ID:	00000	00000	DIS
STATION ID:	MW086	MW087	MW087
SAMPLE DATE:	03/19/1991	03/20/1991	03/20/1991
SAMPLE TIME:	11:30	12:00	12:00
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	1UYJW	2UYJW	2UYJW
GROSS BETA PCI/L	9 +/- 2.7DY	6.5 +/- 2.7DYJC	3UY
NEPTUNIUM-237 PCI/L	1UY	2UYJ	3UY
PLUTONIUM-239 PCI/L	0.1UYJC	0.07UYJC	0.08UYJ
TECHNETIUM-99 PCI/L	3UYJC	2UYJC	2UYJC
THORIUM-230 PCI/L	0.2UYRC	0.2UYJ	0.3UYJC
URANIUM-234 PCI/L	0.2UYJC	0.22 +/- 0.2DYJ	0.1UYJ
URANIUM-235 PCI/L	0.2UYJC	0.1UYJ	0.1UYJ
URANIUM-238 PCI/L	1.4 +/- 0.6DYJC	0.2UYJ	0.1UY

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10097	10097	10099
SUB-SAMPLE ID:	00000	DIS	00000
STATION ID:	MW088	MW088	MW089
SAMPLE DATE:	03/20/1991	03/20/1991	03/20/1991
SAMPLE TIME:	15:45	15:45	15:00
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	3UYJW	2UYJW	2UYJW
GROSS BETA PCI/L	1200 +/- 100DYJW	1200 +/- 100DYJW	14 +/- 4DYJW
NEPTUNIUM-237 PCI/L	1UY	2UY	2UY
PLUTONIUM-239 PCI/L	0.2UYJ	0.08UYRC	0.1UYJC
TECHNETIUM-99 PCI/L	1000 +/- 100DYJC	1100 +/- 100DYJC	2UYJC
THORIUM-230 PCI/L	0.2UYJ	0.2UYJC	0.2UYJC
URANIUM-234 PCI/L	0.07UYJC	0.07UYJ	0.39 +/- 0.24DYJ
URANIUM-235 PCI/L	0.07UYJC	0.07UYJ	0.1UYJ
URANIUM-238 PCI/L	0.15 +/- 0.12DYJC	0.12 +/- 0.11DYJ	0.1UYJ

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10099	10099	10099
SUB-SAMPLE ID:	DIS	DISRE	DUPRE
STATION ID:	MW089	MW089	MW089
SAMPLE DATE:	03/20/1991	03/20/1991	03/20/1991
SAMPLE TIME:	15:00	15:00	15:00
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	2UYJW	1UY	1UYJW
GROSS BETA PCI/L	3UY	3.8 +/- 2.1DYJC	4.2 +/- 2.3DYJC
NEPTUNIUM-237 PCI/L	4UY	3UY	4UY
PLUTONIUM-239 PCI/L	0.25 +/- 0.18DYJ	0.4 +/- 0.31DY	0.1UYJC
TECHNETIUM-99 PCI/L	2UYJC	2UYJ	2UY
THORIUM-230 PCI/L	0.5UYRBN	0.02UYRC	0.2UYRC
URANIUM-234 PCI/L	0.3UYJC	0.1UY	0.1UY
URANIUM-235 PCI/L	0.2UYJC	0.1UY	0.1UY
URANIUM-238 PCI/L	0.2UYJC	0.1UY	0.2UY

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10100	10100	10101
SUB-SAMPLE ID:	00000	DIS	00000
STATION ID:	MW090	MW090	MW091
SAMPLE DATE:	03/21/1991	03/21/1991	03/21/1991
SAMPLE TIME:	09:45	09:45	10:15
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	1UYJW	1UYJW	6.7 +/- 3DYJW
GROSS BETA PCI/L	7 +/- 2.5DY	9.3 +/- 2.6DY	150 +/- 10DYJW
NEPTUNIUM-237 PCI/L	1UY	4UY	1UY
PLUTONIUM-239 PCI/L	0.05UYRC	0.04UYRC	0.2UYJ
TECHNETIUM-99 PCI/L	4UYJC	4UY	18 +/- 5DYJC
THORIUM-230 PCI/L	0.2UYJC	0.8UYJC	0.3UYJC
URANIUM-234 PCI/L	0.2UY	0.09UY	0.5UYJC
URANIUM-235 PCI/L	0.09UY	0.09UY	0.063 +/- 0.236DYJC
URANIUM-238 PCI/L	0.09UY	0.1UY	0.28 +/- 0.39DYJC

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:		10101	10102	10102
SUB-SAMPLE ID:		DIS	00000	DIS
STATION ID:		MW091	MW092	MW092
SAMPLE DATE:		03/21/1991	03/21/1991	03/21/1991
SAMPLE TIME:		10:15	10:45	10:45
SAMPLE MATRIX:		GW	GW	GW
UPPER DEPTH:				
LOWER DEPTH:				
GROSS ALPHA	PCI/L	1UYJW	2UYJW	0.98 +/- 0.93DY
GROSS BETA	PCI/L	14 +/- 3DY	13 +/- 3DY	5.6 +/- 2.1DY
NEPTUNIUM-237	PCI/L	2UY	2UYJ	4UY
PLUTONIUM-239	PCI/L	0.3UY	0.1UYJ	0.07UYRC
TECHNETIUM-99	PCI/L	4UY	4UYJC	2UYJC
THORIUM-230	PCI/L	0.4UYJC	0.2UYRBN	0.2UYRC
URANIUM-234	PCI/L	0.3UYJC	0.26 +/- 0.17DYJC	0.3UYJC
URANIUM-235	PCI/L	0.2UYJC	0.1UYJC	0.3UYJC
URANIUM-238	PCI/L	0.2UYJC	0.2UYJC	0.3UYJC

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:		10103	10103	10104
SUB-SAMPLE ID:		00000	DIS	00000
STATION ID:		MW093	MW093	MW093
SAMPLE DATE:		03/22/1991	03/22/1991	03/22/1991
SAMPLE TIME:		13:40	13:40	13:50
SAMPLE MATRIX:		GW	GW	GW
UPPER DEPTH:				
LOWER DEPTH:				
GROSS ALPHA	PCI/L	1UYJW	0.9UY	0.9UY
GROSS BETA	PCI/L	4UY	3UY	3UY
NEPTUNIUM-237	PCI/L	2UYJ	2UY	2UYJ
PLUTONIUM-239	PCI/L	0.2UYJ	0.4UY	0.2UY
TECHNETIUM-99	PCI/L	4UYJC	4UYJC	5UYJC
THORIUM-230	PCI/L	0.2UYJC	0.2UYJC	0.2UYJC
URANIUM-234	PCI/L	0.09UYJ	0.2UY	0.1UY
URANIUM-235	PCI/L	0.09UY	0.1UY	0.1UY
URANIUM-238	PCI/L	0.1UY	0.1UYJ	0.1UYJ

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10105	10105	10106
SUB-SAMPLE ID:	00000	DIS	00000
STATION ID:	MW094	MW094	MW095
SAMPLE DATE:	03/21/1991	03/21/1991	03/21/1991
SAMPLE TIME:	16:30	16:30	16:25
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	15 +/- 4DYJW	21 +/- 5DYJW	1UYJW
GROSS BETA PCI/L	480 +/- 20DYJW	530 +/- 20DYJW	6.3 +/- 2.9DY
NEPTUNIUM-237 PCI/L	2UY	3UY	2UYJ
PLUTONIUM-239 PCI/L	0.08UYRC	0.07UY	0.06UYRC
TECHNETIUM-99 PCI/L	630 +/- 20DY	670 +/- 20DY	4UY
THORIUM-230 PCI/L	0.1UY	0.2UYRBN	0.7UYJC
URANIUM-234 PCI/L	0.1UY	0.1UY	0.2UYJC
URANIUM-235 PCI/L	0.1UY	0.1UY	0.2UYJC
URANIUM-238 PCI/L	0.16 +/- 0.15DY	0.21 +/- 0.17DY	0.2UYJC

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:		10106	10107	10107
SUB-SAMPLE ID:		DIS	00000	DIS
STATION ID:		MW095	MW120	MW120
SAMPLE DATE:		03/21/1991	02/28/1991	02/28/1991
SAMPLE TIME:		16:25	09:45	09:45
SAMPLE MATRIX:		GW	GW	GW
UPPER DEPTH:				
LOWER DEPTH:				
GROSS ALPHA	PCI/L	1UY	2.9 +/- 1.9DYJW	2UYJW
GROSS BETA	PCI/L	3UY	47 +/- 6DYJW	30 +/- 5DYJW
NEPTUNIUM-237	PCI/L	4UY	1UY	1UY
PLUTONIUM-239	PCI/L	0.08UYJC	0.3UYC	0.09UYC
TECHNETIUM-99	PCI/L	3UY	3UY	2UY
THORIUM-230	PCI/L	2UYRC	4.9 +/- 0.8DYJC	1UYRC
URANIUM-234	PCI/L	0.1UYJ	0.1UY	0.1UY
URANIUM-235	PCI/L	0.1UY	0.1UY	0.1UY
URANIUM-238	PCI/L	0.1UY	0.1UY	0.1UY

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10108	10108	10109
SUB-SAMPLE ID:	00000	DIS	00000
STATION ID:	MW130	MW130	MW131
SAMPLE DATE:	02/28/1991	02/28/1991	02/28/1991
SAMPLE TIME:	10:05	10:05	09:15
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	2UYJW	2UY	2UYJW
GROSS BETA PCI/L	5UY	5.2 +/- 2.9DY	6.2 +/- 3.3DYJW
NEPTUNIUM-237 PCI/L	1UY	1UY	1UY
PLUTONIUM-239 PCI/L	0.05UYC	0.05UYC	0.08UYC
TECHNETIUM-99 PCI/L	5UYJC	4UYJC	3UY
THORIUM-230 PCI/L	0.4UYJC	0.2UY	0.4UYRB
URANIUM-234 PCI/L	0.1UY	0.05UY	0.31 +/- 0.27DYJC
URANIUM-235 PCI/L	0.1UY	0.05UY	0.08UY
URANIUM-238 PCI/L	0.1UY	0.05UY	0.87 +/- 0.26DY

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10109	10110	10111
SUB-SAMPLE ID:	DIS	00000	00000
STATION ID:	MW131	MW129	MW155
SAMPLE DATE:	02/28/1991	02/28/1991	03/13/1991
SAMPLE TIME:	09:15	10:45	15:30
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	2UYJW	2UYJW	11 +/- 3DYJW
GROSS BETA PCI/L	5UYJW	11 +/- 4DYJW	200 +/- 10DYJW
NEPTUNIUM-237 PCI/L	1UY	1UYJ	1UY
PLUTONIUM-239 PCI/L	0.1UYC	0.09UYC	0.2UY
TECHNETIUM-99 PCI/L	3UY	4UY	200 +/- 10DYJD
THORIUM-230 PCI/L	0.26 +/- 0.22DYJC	1.3 +/- 0.5DYJC	0.6UYJD
URANIUM-234 PCI/L	0.53 +/- 0.2DY	0.12 +/- 0.08DYJC	0.74 +/- 0.33DYJC
URANIUM-235 PCI/L	0.2UY	0.06UYJC	0.1UYJC
URANIUM-238 PCI/L	0.2UY	0.14 +/- 0.09DYJC	0.65 +/- 0.3DYJD

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10111	10112	10112
SUB-SAMPLE ID:	DIS	00000	DIS
STATION ID:	MW155	MW156	MW156
SAMPLE DATE:	03/13/1991	03/15/1991	03/15/1991
SAMPLE TIME:	15:30	10:10	10:10
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	6.5 +/- 2.4DYJW	14 +/- 4DYJW	3.2 +/- 2.1DYJW
GROSS BETA PCI/L	120 +/- 10DYJW	160 +/- 10DYJW	110 +/- 10DYJW
NEPTUNIUM-237 PCI/L	5UY	2UYJC	4UY
PLUTONIUM-239 PCI/L	0.75 +/- 0.45DY	0.3UYJC	0.3UYJC
TECHNETIUM-99 PCI/L	190 +/- 10DYJD	190 +/- 10DYJD	85 +/- 9DYJD
THORIUM-230 PCI/L	1UYJD	0.2UYJ	0.2UYRB
URANIUM-234 PCI/L	0.1UYJC	1.3 +/- 1.1DYRC	0.1UYJC
URANIUM-235 PCI/L	0.1UYJC	0.7UYRC	0.1UYJC
URANIUM-238 PCI/L	0.2UYJD	1UYRC	0.2UYJC

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10113	10113	10113
SUB-SAMPLE ID:	00000	DIS	RE
STATION ID:	MW157	MW157	MW157
SAMPLE DATE:	03/15/1991	03/15/1991	03/15/1991
SAMPLE TIME:	10:45	10:45	10:45
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	5.9 +/- 2.4DYJW	2.6 +/- 1.8DYJW	12 +/- 3DYJW
GROSS BETA PCI/L	78 +/- 7DY	59 +/- 6DY	110 +/- 10DYJW
NEPTUNIUM-237 PCI/L	1UYJC	2UY	2UY
PLUTONIUM-239 PCI/L	0.3UYJC	0.2UYJC	0.07UYJC
TECHNETIUM-99 PCI/L	94 +/- 11DYJD	78 +/- 8DYJD	130 +/- 10DYJC
THORIUM-230 PCI/L	0.49 +/- 0.41DYJC	0.2UYJC	0.2UYJC
URANIUM-234 PCI/L	0.36 +/- 0.29DYJC	0.4UYJC	0.4UYJC
URANIUM-235 PCI/L	0.2UYJC	0.2UYJC	0.4UYJC
URANIUM-238 PCI/L	0.58 +/- 0.36DYJC	0.2UYJC	0.55 +/- 0.31DYJC

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10114	10114	10115
SUB-SAMPLE ID:	00000	DIS	00000
STATION ID:	MW158	MW158	MW158
SAMPLE DATE:	03/28/1991	03/28/1991	03/28/1991
SAMPLE TIME:	14:15	14:15	14:15
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	1.7 +/- 1.4DYJW	1UYJW	1UYJW
GROSS BETA PCI/L	10 +/- 4DY	7.6 +/- 2.5DYJW	9.3 +/- 2.7DY
NEPTUNIUM-237 PCI/L	2UYJD	2UYJD	2UYJD
PLUTONIUM-239 PCI/L	0.1UYJC	0.2UYJC	0.07UYJC
TECHNETIUM-99 PCI/L	3UYJC	3.4 +/- 2.3DYJC	3UYJC
THORIUM-230 PCI/L	0.3UYJ	0.1UYRC	0.2UYJ
URANIUM-234 PCI/L	0.09UYJD	0.2UYJD	0.2UYJD
URANIUM-235 PCI/L	0.09UYJC	0.08UYJC	0.2UY
URANIUM-238 PCI/L	0.09UYJD	0.08UYJD	0.3UY

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:		10116	10116	10117
SUB-SAMPLE ID:		00000	DIS	00000
STATION ID:		MW159	MW159	MW160
SAMPLE DATE:		03/14/1991	03/14/1991	04/01/1991
SAMPLE TIME:		16:00	16:00	15:50
SAMPLE MATRIX:		GW	GW	GW
UPPER DEPTH:				
LOWER DEPTH:				
GROSS ALPHA	PCI/L	2UYJW	1UYJW	5.6 +/- 2.3DYJW
GROSS BETA	PCI/L	7.6 +/- 3DY	11 +/- 3DY	20 +/- 4DYJW
NEPTUNIUM-237	PCI/L	2UYJC	2UY	2UYJC
PLUTONIUM-239	PCI/L	0.2UY	0.2UY	0.2UYJD
TECHNETIUM-99	PCI/L	4.8 +/- 3.1DYJD	5.8 +/- 2.9DYJD	33 +/- 4DYJC
THORIUM-230	PCI/L	0.2UYJC	0.7UYJC	7.9 +/- 2.7DYRC
URANIUM-234	PCI/L	0.2UYJC	0.2UYJC	2.5 +/- 0.7DYJD
URANIUM-235	PCI/L	0.1UYJC	0.1UYJC	0.1UYJC
URANIUM-238	PCI/L	0.26 +/- 0.21DYJC	0.1UYJC	2.3 +/- 0.6DYJD

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10117	10118	10118
SUB-SAMPLE ID:	DIS	00000	DIS
STATION ID:	MW160	MW161	MW161
SAMPLE DATE:	04/01/1991	03/28/1991	03/28/1991
SAMPLE TIME:	15:50	10:30	10:30
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	2UYJW	2.5 +/- 1.5DYJW	1.7 +/- 1.4DYJW
GROSS BETA PCI/L	8.3 +/- 3DYJC	4.4 +/- 2.3DY	4.6 +/- 2.3DY
NEPTUNIUM-237 PCI/L	3UY	1UYJD	5UY
PLUTONIUM-239 PCI/L	0.1UYJD	0.1UYJC	0.1UYJC
TECHNETIUM-99 PCI/L	3.1 +/- 1.6DYJC	3UYJC	3UYJC
THORIUM-230 PCI/L	0.2UYJD	0.2UYJ	0.25 +/- 0.2DYJC
URANIUM-234 PCI/L	0.1UYJD	0.4UYJD	0.1UYJD
URANIUM-235 PCI/L	0.1UYJD	0.4UYJC	0.07UYJD
URANIUM-238 PCI/L	0.2UYJD	0.4UYJD	0.07UYJD

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10119	10119	10120
SUB-SAMPLE ID:	00000	DIS	00000
STATION ID:	MW162	MW162	MW162
SAMPLE DATE:	03/27/1991	03/27/1991	03/27/1991
SAMPLE TIME:	14:45	14:45	14:45
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	6 +/- 2.5DYJW	4 +/- 2.1DYJW	11 +/- 3DYJW
GROSS BETA PCI/L	67 +/- 7DYJW	50 +/- 6DYJW	83 +/- 8DYJW
NEPTUNIUM-237 PCI/L	2UYJ	2UY	2UY
PLUTONIUM-239 PCI/L	0.2UYJ	0.2UYJ	0.2UY
TECHNETIUM-99 PCI/L	54 +/- 5DYJC	51 +/- 5DY	39 +/- 5DYJC
THORIUM-230 PCI/L	0.1UYJ	0.1UYJ	0.1UY
URANIUM-234 PCI/L	0.76 +/- 0.43DY	0.3UYJ	0.49 +/- 0.29DY
URANIUM-235 PCI/L	0.2UY	0.2UY	0.2UY
URANIUM-238 PCI/L	0.52 +/- 0.35DY	0.3UYJ	0.71 +/- 0.34DY

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10121	10121	10122
SUB-SAMPLE ID:	00000	DIS	00000
STATION ID:	MW163	MW163	MW164
SAMPLE DATE:	03/20/1991	03/20/1991	03/21/1991
SAMPLE TIME:	16:30	16:30	10:10
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	2.6 +/- 2DYJW	2UYJW	11 +/- 5DYJW
GROSS BETA PCI/L	32 +/- 6DYJW	29 +/- 5DYJW	100 +/- 10DYJW
NEPTUNIUM-237 PCI/L	2UY	2UY	2UY
PLUTONIUM-239 PCI/L	0.2UY	0.3UYJ	0.11 +/- 0.09DYRC
TECHNETIUM-99 PCI/L	19 +/- 4DY	20 +/- 2DYJC	59 +/- 5DYJC
THORIUM-230 PCI/L	0.3UYJC	0.5UYJC	0.07UYRBN
URANIUM-234 PCI/L	0.1UY	0.09UYJ	0.67 +/- 0.24DYJC
URANIUM-235 PCI/L	0.1UY	0.09UYJ	0.07UYJC
URANIUM-238 PCI/L	0.2UYJ	0.09UYJ	0.56 +/- 0.22DYJC

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:		10122	10123	10123
SUB-SAMPLE ID:		DIS	00000	DIS
STATION ID:		MW164	MW165	MW165
SAMPLE DATE:		03/21/1991	03/20/1991	03/20/1991
SAMPLE TIME:		10:10	11:10	11:10
SAMPLE MATRIX:		GW	GW	GW
UPPER DEPTH:				
LOWER DEPTH:				
GROSS ALPHA	PCI/L	2UYJW	5.4 +/- 3DYJW	2UYJW
GROSS BETA	PCI/L	56 +/- 6DY	65 +/- 8DYJW	62 +/- 7DYJW
NEPTUNIUM-237	PCI/L	2UY	2UY	3UY
PLUTONIUM-239	PCI/L	2.3 +/- 0.6DY	0.08UYJ	0.2UYJ
TECHNETIUM-99	PCI/L	50 +/- 6DYJC	28 +/- 3DYJC	26 +/- 3DYJC
THORIUM-230	PCI/L	0.08UYJC	0.3UYJ	0.3UYJC
URANIUM-234	PCI/L	0.1UYJC	0.43 +/- 0.26DYJ	0.45 +/- 0.25DYJ
URANIUM-235	PCI/L	0.08UYJC	0.2UYJ	0.25 +/- 0.19DYJ
URANIUM-238	PCI/L	0.13 +/- 0.12DYJC	0.31 +/- 0.23DYJ	0.1UYJ

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10124	10124	10125
SUB-SAMPLE ID:	00000	RE	00000
STATION ID:	MW166	MW166	MW167
SAMPLE DATE:	03/20/1991	03/20/1991	03/25/1991
SAMPLE TIME:	14:30	14:30	11:30
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	25 +/- 4DYJW	1.8 +/- 0.7DYJC	22 +/- 6DYJW
GROSS BETA PCI/L	180 +/- 10DYJW	37 +/- 2DY	120 +/- 20DYJW
NEPTUNIUM-237 PCI/L	2UYJ	1UY	1UY
PLUTONIUM-239 PCI/L	0.1UY	0.88 +/- 0.38DYJD	0.039 +/- 0.033DYRC
TECHNETIUM-99 PCI/L	17 +/- 4DYJC	25 +/- 4DYJC	4UYJC
THORIUM-230 PCI/L	0.09UYJC	0.02UY	0.79 +/- 0.15DYJC
URANIUM-234 PCI/L	1.7 +/- 0.5DYJC	0.8UYJC	0.9 +/- 0.33DY
URANIUM-235 PCI/L	0.1UYJC	0.7UY	0.09UY
URANIUM-238 PCI/L	1.4 +/- 0.4DYJC	0.1UY	1 +/- 0.3DY

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:		10125	10125	10126
SUB-SAMPLE ID:		DIS	DUP	00000
STATION ID:		MW167	MW167	MW185
SAMPLE DATE:		03/25/1991	03/25/1991	03/26/1991
SAMPLE TIME:		11:30	11:30	15:00
SAMPLE MATRIX:		GW	GW	GW
UPPER DEPTH:				
LOWER DEPTH:				
GROSS ALPHA	PCI/L	1UYJW	1.8 +/- 1.5DYJW	24 +/- 5DYJW
GROSS BETA	PCI/L	7.4 +/- 4DY	6.1 +/- 3.8DY	410 +/- 20DYJW
NEPTUNIUM-237	PCI/L	4UY	4UY	2UY
PLUTONIUM-239	PCI/L	0.2UYJC	0.2UYJC	0.32 +/- 0.23DYJD
TECHNETIUM-99	PCI/L	5.4 +/- 2.8DY	4.6 +/- 2DYJC	290 +/- 10DY
THORIUM-230	PCI/L	0.1UYJC	0.1UYJC	0.3UYJ
URANIUM-234	PCI/L	0.1UY	0.1UYRC	2.6 +/- 0.7DYJC
URANIUM-235	PCI/L	0.1UY	0.08UYRC	0.2UYJ
URANIUM-238	PCI/L	0.1UYJ	0.1UYRC	3.3 +/- 0.8DYJC

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10126	10127	10127
SUB-SAMPLE ID:	DIS	00000	DIS
STATION ID:	MW185	MW168	MW168
SAMPLE DATE:	03/26/1991	03/21/1991	03/21/1991
SAMPLE TIME:	15:00	14:55	14:55
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	8.9 +/- 2.8DYJW	22 +/- 6DYJW	14 +/- 3DYJW
GROSS BETA PCI/L	250 +/- 10DY	700 +/- 30DYJW	580 +/- 20DY
NEPTUNIUM-237 PCI/L	3UY	2UYJ	2UYJ
PLUTONIUM-239 PCI/L	0.3 +/- 0.22DYJD	0.2UYJC	0.3UYJ
TECHNETIUM-99 PCI/L	280 +/- 10DY	590 +/- 20DY	590 +/- 20DYJC
THORIUM-230 PCI/L	0.6UYJC	0.1UYRBN	0.7UYRC
URANIUM-234 PCI/L	0.2UYJC	0.41 +/- 0.27DY	0.09UY
URANIUM-235 PCI/L	0.2UY	0.1UY	0.09UY
URANIUM-238 PCI/L	0.2UY	0.49 +/- 0.3DY	0.09UY

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10128	10128	10129
SUB-SAMPLE ID:	00000	DIS	00000
STATION ID:	MW169	MW169	MW169
SAMPLE DATE:	03/25/1991	03/25/1991	03/25/1991
SAMPLE TIME:	16:20	16:20	16:20
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	5.5 +/- 2DYJW	2UY	4.1 +/- 2.3DYJW
GROSS BETA PCI/L	30 +/- 4DY	5.6 +/- 2.5DY	42 +/- 7DYJW
NEPTUNIUM-237 PCI/L	1UY	3UY	2UYJ
PLUTONIUM-239 PCI/L	0.06UYRC	0.2UYJC	0.1UY
TECHNETIUM-99 PCI/L	4UYJC	3400 +/- 100DYRC	3 +/- 1.7DY
THORIUM-230 PCI/L	0.2UYRBN	0.01UYRBN	0.1UYJC
URANIUM-234 PCI/L	0.1UYJC	0.09UYJC	0.1UY
URANIUM-235 PCI/L	0.1UYJC	0.09UYJC	0.021 +/- 0.08DY
URANIUM-238 PCI/L	0.1UYJC	0.09UYJC	0.0058 +/- 0.0861DY

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10130	10130	10131
SUB-SAMPLE ID:	00000	DIS	00000
STATION ID:	MW170	MW170	MW171
SAMPLE DATE:	03/25/1991	03/25/1991	03/19/1991
SAMPLE TIME:	15:20	15:20	16:15
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	8.9 +/- 2.1DYJW	2UY	13 +/- 5DYJW
GROSS BETA PCI/L	46 +/- 4DYJW	36 +/- 5DYJW	66 +/- 10DYJW
NEPTUNIUM-237 PCI/L	2UYJ	4UY	2UY
PLUTONIUM-239 PCI/L	0.08UY	0.07UYJC	0.1UYJ
TECHNETIUM-99 PCI/L	2UYJC	2UYJC	2.9 +/- 1.4DYJC
THORIUM-230 PCI/L	0.1UYJC	0.2UYJC	0.1UYJ
URANIUM-234 PCI/L	0.44 +/- 0.24DYJC	0.2UYJC	0.58 +/- 0.27DYJ
URANIUM-235 PCI/L	0.1UYJC	0.09UYJC	0.09UYJ
URANIUM-238 PCI/L	0.1UYJC	0.09UYJC	0.65 +/- 0.28DYJ

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10131	10132	10132
SUB-SAMPLE ID:	DIS	00000	DIS
STATION ID:	MW171	MW172	MW172
SAMPLE DATE:	03/19/1991	03/26/1991	03/26/1991
SAMPLE TIME:	16:15	13:45	13:45
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	2UYJW	11 +/- 2DYJW	0.77 +/- 0.58DYJW
GROSS BETA PCI/L	6.3 +/- 3.1DYJW	70 +/- 4DYJW	5.4 +/- 1.3DY
NEPTUNIUM-237 PCI/L	3UY	1UY	2UYJ
PLUTONIUM-239 PCI/L	0.1UYJC	0.2UYJD	0.1UYJD
TECHNETIUM-99 PCI/L	4.4 +/- 1.5DYJC	2UYJC	3UYJC
THORIUM-230 PCI/L	0.1UYRBN	0.2UY	0.3UYJC
URANIUM-234 PCI/L	1.1 +/- 0.2DYRC	0.49 +/- 0.36DYJC	0.2UYJC
URANIUM-235 PCI/L	0.1UYRC	0.3UY	0.2UY
URANIUM-238 PCI/L	1.1 +/- 0.2DYRC	0.33 +/- 0.31DYJC	0.2UYJC

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10133	10133	10134
SUB-SAMPLE ID:	00000	DIS	00000
STATION ID:	MW173	MW173	MW174
SAMPLE DATE:	03/26/1991	03/26/1991	03/27/1991
SAMPLE TIME:	16:30	16:30	09:00
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	7.3 +/- 3DYJW	2UY	9.9 +/- 3.1DYJW
GROSS BETA PCI/L	100 +/- 10DYJW	32 +/- 5DYJW	2.6 +/- 0.5DYJW
NEPTUNIUM-237 PCI/L	2UY	2UYJ	2UYJ
PLUTONIUM-239 PCI/L	0.1UYJ	0.34 +/- 0.23DY	0.1UY
TECHNETIUM-99 PCI/L	2UY	2UY	3UYJC
THORIUM-230 PCI/L	0.2UYJC	2.3 +/- 1.3DYJC	0.13 +/- 0.1DYJC
URANIUM-234 PCI/L	3.8 +/- 0.9DYJC	0.9UYJC	1.6 +/- 0.5DY
URANIUM-235 PCI/L	0.2UYJ	0.7UYJC	0.2UY
URANIUM-238 PCI/L	4.9UYJC	1UYJC	0.8 +/- 0.44DY

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10134	10134	10135
SUB-SAMPLE ID:	DIS	DUPDI	00000
STATION ID:	MW174	MW174	MW175
SAMPLE DATE:	03/27/1991	03/27/1991	03/19/1991
SAMPLE TIME:	09:00	09:00	11:35
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	2UYJW	2UYJW	13 +/- 3DYJW
GROSS BETA PCI/L	4.8 +/- 3DYJW	7.9 +/- 3.3DYJW	200 +/- 100DYJW
NEPTUNIUM-237 PCI/L	2UYJ	2UYJ	2UY
PLUTONIUM-239 PCI/L	0.14UYJC	0.2UYJC	0.1UYJC
TECHNETIUM-99 PCI/L	2UY	2UY	260 +/- 10DY
THORIUM-230 PCI/L	0.93UYJC	0.4UY	0.2UYRC
URANIUM-234 PCI/L	0.1UYJC	0.1UYJC	0.3UYJD
URANIUM-235 PCI/L	0.1UY	0.2UY	0.1UYJD
URANIUM-238 PCI/L	0.1UYJC	0.2UY	0.27 +/- 0.21DYJD

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10135	10137	10137
SUB-SAMPLE ID:	DIS	00000	DIS
STATION ID:	MW175	MW177	MW177
SAMPLE DATE:	03/19/1991	03/18/1991	03/18/1991
SAMPLE TIME:	11:35	15:20	15:20
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	12 +/- 3DYJW	6300 +/- 1000DYJW	37 +/- 5DYJW
GROSS BETA PCI/L	210 +/- 10DYJW	1600 +/- 100DYJW	1000 +/- 100DY
NEPTUNIUM-237 PCI/L	3UY	2UYJ	3UY
PLUTONIUM-239 PCI/L	0.1UYJC	0.3UY	0.1UYJC
TECHNETIUM-99 PCI/L	280 +/- 20DYJC	3UY	1200 +/- 100DY
THORIUM-230 PCI/L	0.2UYRBN	0.35 +/- 0.28DYJC	0.5UYJC
URANIUM-234 PCI/L	0.3UYJC	0.66 +/- 0.26DY	0.08UY
URANIUM-235 PCI/L	0.2UYJC	0.08UY	0.08UY
URANIUM-238 PCI/L	0.23 +/- 0.17DYJC	0.82 +/- 0.28DY	0.1UY

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10137	10138	10138
SUB-SAMPLE ID:	DUPRE	00000	DIS
STATION ID:	MW177	MW178	MW178
SAMPLE DATE:	03/18/1991	03/18/1991	03/18/1991
SAMPLE TIME:	15:20	11:15	11:15
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	70 +/- 12DYJW	47 +/- 6DYJW	78 +/- 8DYJW
GROSS BETA PCI/L	1800 +/- 100DYJW	1300 +/- 100DYJW	1200 +/- 100DYJW
NEPTUNIUM-237 PCI/L	2UYJ	1UYJC	2UYJC
PLUTONIUM-239 PCI/L	0.09UYRC	0.2UYJC	0.4UYJC
TECHNETIUM-99 PCI/L	1100 +/- 100DYJC	1200 +/- 100DYJD	1500 +/- 100DYJD
THORIUM-230 PCI/L	0.84 +/- 0.3DY	0.2UYJ	0.89 +/- 0.38DY
URANIUM-234 PCI/L	1.6 +/- 0.4DY	0.3UYJC	0.1UYJC
URANIUM-235 PCI/L	0.08UY	0.1UYJC	0.1UYJC
URANIUM-238 PCI/L	1.8 +/- 0.4DY	0.33 +/- 0.25DYJC	0.2UYJC

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10139	10139	10140
SUB-SAMPLE ID:	00000	DIS	00000
STATION ID:	MW179	MW179	MW180
SAMPLE DATE:	03/27/1991	03/27/1991	03/27/1991
SAMPLE TIME:	10:00	10:00	10:45
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	36 +/- 6DYJW	31 +/- 5DYJW	7 +/- 3.2DYJW
GROSS BETA PCI/L	640 +/- 20DYJW	590 +/- 20DYJW	99 +/- 1DYJW
NEPTUNIUM-237 PCI/L	1UY	3UY	2UY
PLUTONIUM-239 PCI/L	0.2UY	0.1UY	0.1UYJ
TECHNETIUM-99 PCI/L	620 +/- 20DY	610 +/- 20DYJC	64 +/- 6DYJC
THORIUM-230 PCI/L	0.1UY	0.3UYRBN	0.33 +/- 0.21DYRC
URANIUM-234 PCI/L	0.54 +/- 0.3DY	0.1UY	3.2 +/- 0.7DYJC
URANIUM-235 PCI/L	0.2UY	0.1UY	0.5UYJC
URANIUM-238 PCI/L	0.54 +/- 0.3DY	0.1UY	2.3 +/- 0.6DYJC

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10140	10140	10140
SUB-SAMPLE ID:	DIS	DISRE	DUPRE
STATION ID:	MW180	MW180	MW180
SAMPLE DATE:	03/27/1991	03/27/1991	03/27/1991
SAMPLE TIME:	10:45	10:45	10:45
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	3.9 +/- 2.5DYJW	2.6 +/- 2.2DYJW	2UYJW
GROSS BETA PCI/L	49 +/- 7DYJW	51 +/- 7DYJW	43 +/- 7DYJW
NEPTUNIUM-237 PCI/L	4UY		
PLUTONIUM-239 PCI/L	0.1UYJC	0.1UYJC	0.1UYJC
TECHNETIUM-99 PCI/L	44 +/- 5DYJC	41 +/- 5DYJC	46 +/- 5DYJC
THORIUM-230 PCI/L	0.6UYJC	0.2UYJ	0.3UYJ
URANIUM-234 PCI/L	1.9 +/- 0.6DY	2.3 +/- 0.8DYJD	3.4 +/- 0.8DYJD
URANIUM-235 PCI/L	0.1UYJ	0.1UYJC	0.1UYJC
URANIUM-238 PCI/L	2 +/- 0.6DY	2.4 +/- 0.7DYJD	1.8 +/- 0.6DYJD

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10140	10141	10142
SUB-SAMPLE ID:	RE	00000	00000
STATION ID:	MW180	MW022	MW181
SAMPLE DATE:	03/27/1991	03/29/1991	03/29/1991
SAMPLE TIME:	10:45	12:15	09:10
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	7 +/- 3.2DYJW	2 +/- 1.5DYJW	7.7 +/- 2.9DYJW
GROSS BETA PCI/L	70 +/- 9DYJW	53 +/- 5DY	150 +/- 30DYJW
NEPTUNIUM-237 PCI/L	2UY	2UYJD	2UYJD
PLUTONIUM-239 PCI/L	0.2 +/- 0.2DYJD	0.1UYJC	0.2UYJ
TECHNETIUM-99 PCI/L	4.3 +/- 1.8DYJC	54 +/- 5DYJC	170 +/- 10DYJC
THORIUM-230 PCI/L	0.5UYRBN	0.2UYJC	0.2UY
URANIUM-234 PCI/L	3.1 +/- 0.8DYJD	0.3UYJD	1.8 +/- 0.9DYJD
URANIUM-235 PCI/L	0.2UYJD	0.3UYJC	0.3UYJC
URANIUM-238 PCI/L	2.5 +/- 0.7DYJD	0.3UYJD	3.1 +/- 1.1DYJD

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10142	10144	10144
SUB-SAMPLE ID:	DIS	00000	DIS
STATION ID:	MW181	MW184	MW184
SAMPLE DATE:	03/29/1991	04/03/1991	04/03/1991
SAMPLE TIME:	09:10	09:15	09:15
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	5.9 +/- 2.4DYJW	5.7 +/- 3.1DYJW	3UYJW
GROSS BETA PCI/L	120 +/- 10DYJW	80 +/- 10DYJW	73 +/- 10DYJW
NEPTUNIUM-237 PCI/L	5UY	2UYJD	4UY
PLUTONIUM-239 PCI/L	0.2UYJC	0.2UYJC	0.2UYJC
TECHNETIUM-99 PCI/L	120 +/- 10DYJC	3.7 +/- 2.3DYJC	8.7 +/- 2.5DYJC
THORIUM-230 PCI/L	0.2UYJ	0.8UYJD	0.4UYJD
URANIUM-234 PCI/L	0.16 +/- 0.15DYJD	1UYJC	0.2UYJ
URANIUM-235 PCI/L	0.09UYJC	0.9UYJC	0.2UY
URANIUM-238 PCI/L	0.09UYJD	1.2 +/- 0.7DYJC	0.53 +/- 0.36DY

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10145	10145	10145
SUB-SAMPLE ID:	00000	DIS	DUPDI
STATION ID:	MW185	MW185	MW185
SAMPLE DATE:	03/26/1991	03/26/1991	03/26/1991
SAMPLE TIME:	15:00	15:00	15:00
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	21 +/- 4DYJW	15 +/- 3DYJW	13 +/- 3DYJW
GROSS BETA PCI/L	360 +/- 20DYJW	270 +/- 10DY	270 +/- 10DY
NEPTUNIUM-237 PCI/L	2UYJ	2UY	2UY
PLUTONIUM-239 PCI/L	0.24 +/- 0.2DY	1.3 +/- 0.5DYJD	1 +/- 0.4DYJD
TECHNETIUM-99 PCI/L	350 +/- 10DYJC	270 +/- 10DYJC	280 +/- 10DY
THORIUM-230 PCI/L	0.2UY	0.3UYJC	0.2UYJC
URANIUM-234 PCI/L	2.1 +/- 0.7DYJC	0.3UYJC	0.2UYJC
URANIUM-235 PCI/L	0.3UYJ	0.3UYJC	0.2UY
URANIUM-238 PCI/L	1.5 +/- 0.6DYJC	0.5UYJC	0.3UY

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10146	10146	10147
SUB-SAMPLE ID:	00000	DIS	00000
STATION ID:	MW186	MW186	MW187
SAMPLE DATE:	03/26/1991	03/26/1991	03/26/1991
SAMPLE TIME:	16:30	16:30	09:50
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	50 +/- 9DYJW	4.5 +/- 3.9DYJW	16 +/- 5DYJW
GROSS BETA PCI/L	1400 +/- 100DYJW	76 +/- 13DYJW	84 +/- 11DYJW
NEPTUNIUM-237 PCI/L	3UY	2UYJ	1UYJ
PLUTONIUM-239 PCI/L	0.2UY	0.29 +/- 0.26DY	0.94 +/- 0.36DYJD
TECHNETIUM-99 PCI/L	88 +/- 7DYJC	86 +/- 7DYJC	7 +/- 3.7DYJC
THORIUM-230 PCI/L	2 +/- 1.4DYJC	3.2 +/- 1.2DYJC	0.2UYJD
URANIUM-234 PCI/L	0.32 +/- 0.29DYJC	0.3UYJC	0.56 +/- 0.35DYJC
URANIUM-235 PCI/L	0.2UYJ	0.3UY	0.2UY
URANIUM-238 PCI/L	0.5 +/- 0.36DYJC	0.3UYJC	0.84 +/- 0.42DYJC

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10147	10148	10148
SUB-SAMPLE ID:	DIS	00000	DIS
STATION ID:	MW187	MW188	MW188
SAMPLE DATE:	03/26/1991	03/27/1991	03/27/1991
SAMPLE TIME:	09:50	16:15	16:15
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	1UYJW	7.5 +/- 2.4DYJW	1UYJW
GROSS BETA PCI/L	13 +/- 2DYJW	20 +/- 4DY	9.2 +/- 2.6DY
NEPTUNIUM-237 PCI/L	2UYJ	2UY	2UY
PLUTONIUM-239 PCI/L	0.74 +/- 0.28DYJD	0.07UYJC	0.1UYJC
TECHNETIUM-99 PCI/L	7.6 +/- 3.5DYJC	6.7 +/- 3.3DYJC	6.8 +/- 2.3DYJC
THORIUM-230 PCI/L	0.3UY	6.5 +/- 2.3DYRC	0.5UYJ
URANIUM-234 PCI/L	0.44 +/- 0.3DYJC	0.85 +/- 0.64DYJCD	0.1UYJD
URANIUM-235 PCI/L	0.2UY	0.3UYJC	0.1UYJC
URANIUM-238 PCI/L	0.31 +/- 0.26DYJC	0.7UYJD	0.2UYJD

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10149	10149	10150
SUB-SAMPLE ID:	00000	DIS	00000
STATION ID:	MW189	MW189	MW190
SAMPLE DATE:	03/27/1991	03/27/1991	03/28/1991
SAMPLE TIME:	14:45	14:45	16:30
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	4.5 +/- 2.3DYJW	1UYJW	2UYJW
GROSS BETA PCI/L	24 +/- 5DYJW	3.2 +/- 2.1DY	11 +/- 5DYJW
NEPTUNIUM-237 PCI/L	2UYJD	3UY	2UY
PLUTONIUM-239 PCI/L	0.2UY	0.3UY	0.2UY
TECHNETIUM-99 PCI/L	3UYJC	3UYJC	2UYJC
THORIUM-230 PCI/L	0.9UYJ	0.5UYJC	0.24 +/- 0.19DYRC
URANIUM-234 PCI/L	1UYRC	0.1UYJD	0.22 +/- 0.18DY
URANIUM-235 PCI/L	0.2UYJC	0.08UYJC	0.1UY
URANIUM-238 PCI/L	0.2UYJD	0.08UYJD	0.45 +/- 0.25DY

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10150	10151	10151
SUB-SAMPLE ID:	DIS	00000	DIS
STATION ID:	MW190	MW070	MW070
SAMPLE DATE:	03/28/1991	03/13/1991	03/13/1991
SAMPLE TIME:	16:30	10:45	10:45
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	2UYJW	2UYJW	1UYJW
GROSS BETA PCI/L	6UY	6 +/- 3.4DY	11 +/- 4DYJW
NEPTUNIUM-237 PCI/L	3UY	2UY	2UY
PLUTONIUM-239 PCI/L	0.1UY	0.1UYRC	0.2UY
TECHNETIUM-99 PCI/L	2UYJC	4UYJD	4UYJD
THORIUM-230 PCI/L	0.4UYJC	0.1UYRBN	0.3UYRC
URANIUM-234 PCI/L	0.23 +/- 0.18DY	0.22 +/- 0.18DYJC	0.2UYJC
URANIUM-235 PCI/L	0.09UY	0.1UYJC	0.1UYJC
URANIUM-238 PCI/L	0.33 +/- 0.22DY	0.52 +/- 0.27DYJC	0.1UYJC

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:		10152	10152	10153
SUB-SAMPLE ID:		00000	DIS	00000
STATION ID:		MW071	MW071	MW179
SAMPLE DATE:		03/25/1991	03/25/1991	03/27/1991
SAMPLE TIME:		09:00	09:00	10:00
SAMPLE MATRIX:		GW	GW	GW
UPPER DEPTH:				
LOWER DEPTH:				
GROSS ALPHA	PCI/L	1UYJW	1UYJW	2UYJW
GROSS BETA	PCI/L	15 +/- 4DYJW	15 +/- 4DYJW	53 +/- 7DYJW
NEPTUNIUM-237	PCI/L	1UY	3UY	2UYJ
PLUTONIUM-239	PCI/L	0.2UY	0.3UYJC	0.27 +/- 0.21DY
TECHNETIUM-99	PCI/L	12 +/- 2DY	11 +/- 2DY	800 +/- 20DYJC
THORIUM-230	PCI/L	0.1UYJC	2UYRC	0.4UYJ
URANIUM-234	PCI/L	0.1UY	0.1UYJ	0.64 +/- 0.38DYJC
URANIUM-235	PCI/L	0.2UY	0.1UY	0.2UY
URANIUM-238	PCI/L	0.2UY	0.1UY	0.86 +/- 0.44DYJC

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10153	10154	10154
SUB-SAMPLE ID:	DIS	00000	DIS
STATION ID:	MW179	MW194	MW194
SAMPLE DATE:	03/27/1991	03/19/1991	03/19/1991
SAMPLE TIME:	10:00	10:50	10:50
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	26 +/- 5DYJW	3.1 +/- 1.7DYJW	1UYJW
GROSS BETA PCI/L	580 +/- 20DYJW	9.9 +/- 2.8DY	4.6 +/- 2.3DY
NEPTUNIUM-237 PCI/L	2UY	2UYJ	1UY
PLUTONIUM-239 PCI/L	0.2UYJ	0.2UYJ	0.2UYJC
TECHNETIUM-99 PCI/L	580 +/- 20DYJC	3UY	4UY
THORIUM-230 PCI/L	0.7UY	1UYRC	2UYRC
URANIUM-234 PCI/L	0.5UYRC	6.8 +/- 1.2DYJC	5.4 +/- 0.4DYRC
URANIUM-235 PCI/L	0.5UYRC	0.42 +/- 0.3DYJC	0.23 +/- 0.09DYRC
URANIUM-238 PCI/L	0.5UYRC	9 +/- 1.3DYJC	5.7 +/- 0.5DYRC

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10155	10155	10157
SUB-SAMPLE ID:	00000	DIS	00000
STATION ID:	MW195	MW195	MET 2
SAMPLE DATE:	03/19/1991	03/19/1991	03/27/1991
SAMPLE TIME:	09:45	09:45	13:30
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	4.9 +/- 1.8DY	1UY	2UYJW
GROSS BETA PCI/L	13 +/- 3DY	5.6 +/- 1.8DY	5.4 +/- 3.1DYJW
NEPTUNIUM-237 PCI/L	2UYJ	2UYJ	1UYJ
PLUTONIUM-239 PCI/L	0.09UYRC	0.1UYRC	0.29 +/- 0.22DYJC
TECHNETIUM-99 PCI/L	4UYJC	4UYJC	3UYJC
THORIUM-230 PCI/L	0.3UYJC	0.3UYRBN	0.4UYJC
URANIUM-234 PCI/L	9.6 +/- 1.8DYJC	0.65 +/- 0.33DYJD	0.3UYJC
URANIUM-235 PCI/L	1UYJC	0.1UYJD	0.3UYJC
URANIUM-238 PCI/L	8.9 +/- 1.8DYJC	1.3 +/- 0.4DYJD	0.3UYJC

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10158	10160	10160
SUB-SAMPLE ID:	00000	00000	DIS
STATION ID:	MET 3	MW193	MW193
SAMPLE DATE:	03/27/1991	05/06/1991	05/06/1991
SAMPLE TIME:	13:15	10:15	10:15
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	2 +/- 1.5DYJW	3UYJW	2UYJW
GROSS BETA PCI/L	5.6 +/- 2.7DY	40 +/- 8DYJW	8.8 +/- 3DY
NEPTUNIUM-237 PCI/L	2UY	2UYJ	3UY
PLUTONIUM-239 PCI/L	0.1UY	0.1UYJC	0.18 +/- 0.17DYJC
TECHNETIUM-99 PCI/L	3UYJC	3UYJC	2.9 +/- 1.9DYJC
THORIUM-230 PCI/L	0.2UYJC	3.7 +/- 0.6DYJC	0.2UYRC
URANIUM-234 PCI/L	0.5UY	0.72 +/- 0.17DYJC	0.61 +/- 0.21DYJC
URANIUM-235 PCI/L	0.3UYJC	0.1UY	0.1UYJC
URANIUM-238 PCI/L	0.3UYJC	1 +/- 0.2DYJC	1.2 +/- 0.3DYJC

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10168	10168	10169
SUB-SAMPLE ID:	00000	DIS	00000
STATION ID:	MW202	MW202	MW182
SAMPLE DATE:	04/02/1991	04/02/1991	04/02/1991
SAMPLE TIME:	15:45	15:45	08:35
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	7.2 +/- 2.5DYJW	2.2 +/- 1.5DYJW	78 +/- 9DYJW
GROSS BETA PCI/L	82 +/- 7DYJC	45 +/- 5DYJC	1000 +/- 100DYJW
NEPTUNIUM-237 PCI/L	1UYJC	4UY	2UYJC
PLUTONIUM-239 PCI/L	0.31 +/- 0.25DYJD	0.2UYJD	0.2UYJD
TECHNETIUM-99 PCI/L	69 +/- 6DYJC	62 +/- 5DYJC	54 +/- 5DYJC
THORIUM-230 PCI/L	0.2UYJD	0.23 +/- 0.21DYJD	1.3 +/- 0.4DYJD
URANIUM-234 PCI/L	0.55 +/- 0.35DYJD	0.67 +/- 0.42DYJD	110 +/- 10DYJD
URANIUM-235 PCI/L	0.2UYJD	0.2UYJD	5 +/- 1.1DYJD
URANIUM-238 PCI/L	0.5 +/- 0.33DYJD	0.42 +/- 0.34DYJD	170 +/- 10DYJD

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10169	10170	10170
SUB-SAMPLE ID:	DIS	00000	DIS
STATION ID:	MW182	MW191	MW191
SAMPLE DATE:	04/02/1991	04/01/1991	04/01/1991
SAMPLE TIME:	08:35	17:00	17:00
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	110 +/- 10DYJW	3.1 +/- 1.8DYJW	2UYJW
GROSS BETA PCI/L	1100 +/- 100DY	19 +/- 4DYJC	9.3 +/- 3DYJC
NEPTUNIUM-237 PCI/L	3UY	1UYJC	4UY
PLUTONIUM-239 PCI/L	0.2UYJD	0.1UYJ	0.26 +/- 0.19DYJD
TECHNETIUM-99 PCI/L	40 +/- 4DYJC	2UY	3UYJC
THORIUM-230 PCI/L	1.5 +/- 0.3DYRC	0.3 +/- 0.22DYJC	0.5UYJD
URANIUM-234 PCI/L	160 +/- 10DYRC	1.8 +/- 0.6DYJC	0.3UYJD
URANIUM-235 PCI/L	4.9 +/- 2.1DYRC	0.1UYJC	0.2UYJD
URANIUM-238 PCI/L	260 +/- 10DYRC	1.7 +/- 0.6DYJC	0.2UYJD

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10171	10171	10172
SUB-SAMPLE ID:	00000	DIS	00000
STATION ID:	MW192	MW192	MW200
SAMPLE DATE:	04/23/1991	04/23/1991	04/02/1991
SAMPLE TIME:	09:55	09:55	10:30
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	1.8 +/- 1.7DYJW	1.3 +/- 1.2DYJW	13 +/- 4DYJW
GROSS BETA PCI/L	20 +/- 5DYJW	2UY	190 +/- 10DYJW
NEPTUNIUM-237 PCI/L	1UY	1UY	2UYJC
PLUTONIUM-239 PCI/L	2.6 +/- 0.7DYJD	2.5 +/- 0.5DYJD	0.064 +/- 0.063DYJD
TECHNETIUM-99 PCI/L	3UYJC	3UYJC	180 +/- 10DYJC
THORIUM-230 PCI/L	2UYRC	0.2UYJC	0.1UY
URANIUM-234 PCI/L	0.2UYJC	0.2UY	0.19 +/- 0.16DYJD
URANIUM-235 PCI/L	0.1UYJC	0.2UY	0.8UYJD
URANIUM-238 PCI/L	0.1UYJC	0.2UYJC	0.35 +/- 0.19DYJD

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10172	10173	10173
SUB-SAMPLE ID:	DIS	00000	DIS
STATION ID:	MW200	MW196	MW196
SAMPLE DATE:	04/02/1991	04/22/1991	04/22/1991
SAMPLE TIME:	10:30	15:00	15:00
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	4.9 +/- 2DYJW	4.8 +/- 2.5DYJW	1.6 +/- 1.4DYJW
GROSS BETA PCI/L	140 +/- 10DYJW	55 +/- 8DYJW	9.4 +/- 3.9DYJW
NEPTUNIUM-237 PCI/L	1UYJC	1UY	1UY
PLUTONIUM-239 PCI/L	0.06UYJD	0.61 +/- 0.27DYJD	42 +/- 2DYJD
TECHNETIUM-99 PCI/L	170 +/- 10DYJC	3UYJC	120 +/- 10DY
THORIUM-230 PCI/L	0.2UYJD	2UYJC	0.3UYRBN
URANIUM-234 PCI/L	0.3UYJD	0.1UYJC	0.09UYJC
URANIUM-235 PCI/L	0.1UYJD	0.1UYJC	0.09UYJC
URANIUM-238 PCI/L	0.1UYJD	0.1UYJC	0.2UYJC

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10174	10174	10175
SUB-SAMPLE ID:	00000	DIS	00000
STATION ID:	MW197	MW197	MW198
SAMPLE DATE:	04/03/1991	04/03/1991	05/01/1991
SAMPLE TIME:	13:55	13:55	10:50
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	7.8 +/- 2.9DYJW	4 +/- 2.1DYJW	7.2 +/- 2.8DY
GROSS BETA PCI/L	150 +/- 10DYJW	150 +/- 10DYJW	29.9 +/- 4.7DY
NEPTUNIUM-237 PCI/L	2UYJD	2UYJD	0.01 +/- 0.03DY
PLUTONIUM-239 PCI/L	0.1UY	0.1UY	0.01 +/- 0.04DY
TECHNETIUM-99 PCI/L	140 +/- 10DY	160 +/- 10DYJC	2UYJC
THORIUM-230 PCI/L	0.9UYRC	1UYRC	0.29 +/- 0.18DY
URANIUM-234 PCI/L	0.69 +/- 0.37DY	9.1 +/- 1.1DY	1.2 +/- 0.42DY
URANIUM-235 PCI/L	0.1UY	0.51 +/- 0.27DY	0.13 +/- 0.14DY
URANIUM-238 PCI/L	0.45 +/- 0.28DY	24 +/- 2DY	1.53 +/- 0.47DY

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10175	10177	10177
SUB-SAMPLE ID:	DIS	00000	DIS
STATION ID:	MW198	MW201	MW201
SAMPLE DATE:	05/01/1991	04/25/1991	04/25/1991
SAMPLE TIME:	10:50	16:94	16:94
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	1.2 +/- 2.1DY	11 +/- 4DYJW	15 +/- 5DYJW
GROSS BETA PCI/L	21.2 +/- 4.5DY	230 +/- 20DYJW	240 +/- 20DYJW
NEPTUNIUM-237 PCI/L	0.04 +/- 0.04DY	2UY	1UY
PLUTONIUM-239 PCI/L	0.05 +/- 0.05DY	0.09UYRBN	0.2UYRBN
TECHNETIUM-99 PCI/L	2UY	110 +/- 10DYJD	96 +/- 7DYJC
THORIUM-230 PCI/L	0.13 +/- 0.13DY	0.2UYJD	0.09UYJD
URANIUM-234 PCI/L	3.57 +/- 0.36DY	0.08UYJD	0.07 +/- 0.24DYJD
URANIUM-235 PCI/L	0.12 +/- 0.07DY	0.08UYJD	0.08UYJC
URANIUM-238 PCI/L	3.41 +/- 0.35DY	0.08UYJD	0.6 +/- 0.22DYJD

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:		10178	10178	10179
SUB-SAMPLE ID:		00000	DIS	00000
STATION ID:		MW203	MW203	MW204
SAMPLE DATE:		04/25/1991	04/25/1991	04/25/1991
SAMPLE TIME:		10:15	10:15	09:20
SAMPLE MATRIX:		GW	GW	GW
UPPER DEPTH:				
LOWER DEPTH:				
GROSS ALPHA	PCI/L	11 +/- 4DYJW	1UYJW	13 +/- 5DYJW
GROSS BETA	PCI/L	100 +/- 10DYJW	20 +/- 4DY	850 +/- 30DYJW
NEPTUNIUM-237	PCI/L	1UYJ	1UYJ	1UYJ
PLUTONIUM-239	PCI/L	4 +/- 0.8DY	1.9 +/- 0.5DY	1.4 +/- 0.5DY
TECHNETIUM-99	PCI/L	22 +/- 4DYJC	22 +/- 4DYJC	690 +/- 20DYJC
THORIUM-230	PCI/L	0.3UY	0.4UYJ	0.68 +/- 0.44DY
URANIUM-234	PCI/L	0.73 +/- 0.69DYJC	0.5UY	1.3 +/- 0.5DY
URANIUM-235	PCI/L	0.5UY	0.4UYJC	0.2UYJ
URANIUM-238	PCI/L	0.7UYJC	0.4UYJC	0.71 +/- 0.38DY

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:		10179	10180	10180
SUB-SAMPLE ID:		DIS	DIS	DUPDI
STATION ID:		MW204	MW121	MW121
SAMPLE DATE:		04/25/1991	04/30/1991	04/30/1991
SAMPLE TIME:		09:20	11:40	11:40
SAMPLE MATRIX:		GW	GW	GW
UPPER DEPTH:				
LOWER DEPTH:				
GROSS ALPHA	PCI/L	1UYJW		
GROSS BETA	PCI/L	770 +/- 20DYJW		
NEPTUNIUM-237	PCI/L	1UY		
PLUTONIUM-239	PCI/L	1.5 +/- 0.5DY		
TECHNETIUM-99	PCI/L	950 +/- 20DYJC	2UY	3UYJC
THORIUM-230	PCI/L	1UYRC		
URANIUM-234	PCI/L	1.5 +/- 0.7DYJC		
URANIUM-235	PCI/L	0.3UYJC		
URANIUM-238	PCI/L	1.5 +/- 0.7DYJC		

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:		10181	10182	10183
SUB-SAMPLE ID:		DIS	DIS	DIS
STATION ID:		MW123	MW125	MW127
SAMPLE DATE:		04/29/1991	04/29/1991	04/30/1991
SAMPLE TIME:		15:55	15:40	16:00
SAMPLE MATRIX:		GW	GW	GW
UPPER DEPTH:				
LOWER DEPTH:				
GROSS ALPHA				
GROSS BETA				
NEPTUNIUM-237				
PLUTONIUM-239				
TECHNETIUM-99	PCI/L	10 +/- 3DYJC	21 +/- 3DYJC	2UYJC
THORIUM-230				
URANIUM-234				
URANIUM-235				
URANIUM-238				

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:		10184	10185	10186
SUB-SAMPLE ID:		DIS	DIS	DIS
STATION ID:		MW146	MW147	MW148
SAMPLE DATE:		05/02/1991	05/02/1991	05/09/1991
SAMPLE TIME:		12:05	12:45	15:00
SAMPLE MATRIX:		GW	GW	GW
UPPER DEPTH:				
LOWER DEPTH:				
GROSS ALPHA				
GROSS BETA				
NEPTUNIUM-237				
PLUTONIUM-239				
TECHNETIUM-99	PCI/L	2UYJC	2UYJC	2UYJC
THORIUM-230				
URANIUM-234				
URANIUM-235				
URANIUM-238				

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:		10187	10188	10189
SUB-SAMPLE ID:		DIS	DIS	DIS
STATION ID:		MW149	MW152	MW152
SAMPLE DATE:		05/09/1991	05/09/1991	05/09/1991
SAMPLE TIME:		15:15	10:40	10:40
SAMPLE MATRIX:		GW	GW	GW
UPPER DEPTH:				
LOWER DEPTH:				
GROSS ALPHA				
GROSS BETA				
NEPTUNIUM-237				
PLUTONIUM-239				
TECHNETIUM-99	PCI/L	2UY	150 +/- 10DY	210 +/- 10DY
THORIUM-230				
URANIUM-234				
URANIUM-235				
URANIUM-238				

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10190	10191	10192
SUB-SAMPLE ID:	DIS	DIS	DIS
STATION ID:	MW153	MW155	MW156
SAMPLE DATE:	05/09/1991	05/06/1991	05/08/1991
SAMPLE TIME:	11:10	10:20	10:35
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L		6.5 +/- 2.5DYJW	6.4 +/- 2.8DYJW
GROSS BETA PCI/L		150 +/- 10DYJW	160 +/- 10DYJW
NEPTUNIUM-237 PCI/L		2UYJ	1UY
PLUTONIUM-239 PCI/L		0.09 +/- 0.08DYJC	0.21 +/- 0.18DY
TECHNETIUM-99 PCI/L	2UY	110 +/- 10DY	130 +/- 10DYJC
THORIUM-230 PCI/L		0.76 +/- 0.48DYRC	0.2UYJC
URANIUM-234 PCI/L		0.54 +/- 0.2DYJC	0.2UY
URANIUM-235 PCI/L		0.1UYJC	0.05UY
URANIUM-238 PCI/L		0.42 +/- 0.17DYJC	0.044 +/- 0.091DYJC

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10193	10194	10196
SUB-SAMPLE ID:	DIS	DIS	DIS
STATION ID:	MW157	MW158	MW159
SAMPLE DATE:	05/06/1991	05/10/1991	05/10/1991
SAMPLE TIME:	10:50	14:15	11:10
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	3.9 +/- 2DYJW	2UYJW	2UYJW
GROSS BETA PCI/L	77 +/- 7DYJW	13 +/- 3DY	10 +/- 3DY
NEPTUNIUM-237 PCI/L	2UY	2UY	3UY
PLUTONIUM-239 PCI/L	0.2UYJC	0.07UYRC	0.1UY
TECHNETIUM-99 PCI/L	47 +/- 5DYJC	2UY	4.2 +/- 2DY
THORIUM-230 PCI/L	0.2UYJC	0.08UYJC	0.2UYRBN
URANIUM-234 PCI/L	0.11 +/- 0.08DYJC	0.06UYRC	0.23 +/- 0.14DYRC
URANIUM-235 PCI/L	0.1UYJC	0.03UYRC	0.1UYRC
URANIUM-238 PCI/L	0.7 +/- 0.2DYJC	0.04UYRC	0.2UYRC

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10197	10198	10199
SUB-SAMPLE ID:	DIS	DIS	DIS
STATION ID:	MW160	MW161	MW162
SAMPLE DATE:	05/10/1991	05/08/1991	05/08/1991
SAMPLE TIME:	14:20	15:30	14:40
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	2UYJW	1.7 +/- 1.1DY	0.7 +/- 0.8DY
GROSS BETA PCI/L	130 +/- 10DY	3.7 +/- 2DY	490 +/- 16.3DY
NEPTUNIUM-237 PCI/L	4UY	0.06 +/- 0.05DY	0.08 +/- 0.05DY
PLUTONIUM-239 PCI/L	0.07UY	0.44 +/- 0.14DY	0.42 +/- 0.13DY
TECHNETIUM-99 PCI/L	2UY	2.4 +/- 1.6DY	65 +/- 5.7DY
THORIUM-230 PCI/L	0.5UYJC	0.05 +/- 0.18DY	0.14 +/- 0.15DY
URANIUM-234 PCI/L	0.3UY	0.48 +/- 0.17DY	0.21 +/- 0.11DY
URANIUM-235 PCI/L	0.1UYJC	0.03 +/- 0.06DY	0.01 +/- 0.03DY
URANIUM-238 PCI/L	0.4UY	0.06 +/- 0.07DY	0.1 +/- 0.08DY

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10201	10201	10204
SUB-SAMPLE ID:	DIS	DUPDI	DIS
STATION ID:	MW163	MW163	MW166
SAMPLE DATE:	05/09/1991	05/09/1991	05/13/1991
SAMPLE TIME:	11:15	11:15	10:40
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	1.9 +/- 1.2DY	1 +/- 1.2DY	2.4 +/- 1.5DY
GROSS BETA PCI/L	6 +/- 2.1DY	32.1 +/- 3.6DY	32.1 +/- 3.6DY
NEPTUNIUM-237 PCI/L	0.4 +/- 0.19DYJ	0.01 +/- 0.05DY	0.01 +/- 0.06DY
PLUTONIUM-239 PCI/L	0.05 +/- 0.08DY	0.13 +/- 0.16DY	0.02 +/- 0.06DY
TECHNETIUM-99 PCI/L	4.5 +/- 1.7DYJC	25.6 +/- 3.6DY	22 +/- 4DYJC
THORIUM-230 PCI/L	0.53 +/- 0.52DYRC	0.31 +/- 0.2DY	0.85 +/- 1.56DY
URANIUM-234 PCI/L	0.04 +/- 0.05DY	0.65 +/- 0.24DY	0.34 +/- 0.1DY
URANIUM-235 PCI/L	0.01 +/- 0.03DY	0.01 +/- 0.05DY	0.01 +/- 0.03DY
URANIUM-238 PCI/L	0.05 +/- 0.06DY	0.06 +/- 0.09DY	0.31 +/- 0.1DY

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10205	10206	10208
SUB-SAMPLE ID:	DIS	DIS	DIS
STATION ID:	MW167	MW168	MW169
SAMPLE DATE:	04/30/1991	05/06/1991	04/29/1991
SAMPLE TIME:	15:30	15:25	16:00
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	1.5 +/- 1.4DY	24 +/- 4DYJW	0.6 +/- 0.9DY
GROSS BETA PCI/L	10.6 +/- 2.8DY	610 +/- 20DY	7 +/- 2.2DY
NEPTUNIUM-237 PCI/L	0.15 +/- 0.18DYRC	4UY	0.04 +/- 0.06DYJC
PLUTONIUM-239 PCI/L	0.36 +/- 0.35DYRC	0.1UY	0.17 +/- 0.12DYJC
TECHNETIUM-99 PCI/L	13.3 +/- 2.3DYJC	480 +/- 20DYJC	2.6 +/- 1.7DYJC
THORIUM-230 PCI/L	1.36 +/- 1DYRC	0.1UYRBN	0.29 +/- 0.29DYRC
URANIUM-234 PCI/L	0.03 +/- 0.07DY	0.2UY	0.22 +/- 0.16DY
URANIUM-235 PCI/L	0.1UYRB	0.2UY	0.02 +/- 0.05DY
URANIUM-238 PCI/L	0.01 +/- 0.08DY	0.2UYJC	0.09 +/- 0.1DY

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10209	10210	10211
SUB-SAMPLE ID:	DIS	DIS	DIS
STATION ID:	MW170	MW171	MW172
SAMPLE DATE:	04/30/1991	05/07/1991	05/07/1991
SAMPLE TIME:	10:50	15:15	16:45
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	2.1 +/- 1.4DY	2.3 +/- 1.7DYJW	2UYJW
GROSS BETA PCI/L	9.4 +/- 2.7DY	6.5 +/- 3.1DYJW	5 +/- 2.5DY
NEPTUNIUM-237 PCI/L	0.08 +/- 0.11DYJ	1UY	3UY
PLUTONIUM-239 PCI/L	0.12 +/- 0.14DYJ	0.1UYRC	0.2UYJ
TECHNETIUM-99 PCI/L	8.5 +/- 2.3DYJC	3.4 +/- 1.6DY	2UY
THORIUM-230 PCI/L	0.36 +/- 0.29DYRC	0.1UYJC	0.09UYJC
URANIUM-234 PCI/L	0.25 +/- 0.15DY	0.1UYJC	0.07UYJC
URANIUM-235 PCI/L	0.04 +/- 0.07DY	0.09UYJC	0.07UYJC
URANIUM-238 PCI/L	0.27 +/- 0.16DY	0.09UYJC	0.11 +/- 0.1DYJC

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10212	10213	10214
SUB-SAMPLE ID:	DIS	DIS	DIS
STATION ID:	MW173	MW174	MW175
SAMPLE DATE:	05/10/1991	05/10/1991	05/07/1991
SAMPLE TIME:	13:40	14:00	09:20
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	1.7 +/- 1.4DYJW	2UYJW	9.4 +/- 3DYJW
GROSS BETA PCI/L	19 +/- 4DY	4.5 +/- 3DY	230 +/- 10DYJW
NEPTUNIUM-237 PCI/L	3UY	4UY	2UY
PLUTONIUM-239 PCI/L	0.06UY	0.08UY	0.2UYJC
TECHNETIUM-99 PCI/L	2UYJC	2UY	70 +/- 6DYJC
THORIUM-230 PCI/L	0.3UYRBN	0.1UYJC	0.2UYJC
URANIUM-234 PCI/L	0.1UY	0.2UY	0.1UYJC
URANIUM-235 PCI/L	0.09UYJC	0.3UY	0.1UYJC
URANIUM-238 PCI/L	0.09UYJC	0.3UY	0.2UYJC

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10216	10217	10218
SUB-SAMPLE ID:	DIS	DIS	DIS
STATION ID:	MW177	MW178	MW179
SAMPLE DATE:	05/06/1991	05/01/1991	05/01/1991
SAMPLE TIME:	13:45	16:15	15:25
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	55 +/- 7DYJW	0.6 +/- 0.8DY	1.8 +/- 0.9DY
GROSS BETA PCI/L	1300 +/- 100DY	1477.6 +/- 21.8DY	576.9 +/- 15.9DY
NEPTUNIUM-237 PCI/L	0.04 +/- 0.07DY	0.07 +/- 0.09DYJ	0.2 +/- 0.13DY
PLUTONIUM-239 PCI/L	0.08UYRBN	0.26 +/- 0.17DY	0.26 +/- 0.18DY
TECHNETIUM-99 PCI/L	1100 +/- 100DYJC	1734.8 +/- 23.1DYJC	290 +/- 10DYJC
THORIUM-230 PCI/L	0.46 +/- 0.25DYJC	0.57 +/- 0.19DYJC	0.1 +/- 0.14DY
URANIUM-234 PCI/L	0.03 +/- 0.02DYRC	0.18 +/- 0.11DY	0.23 +/- 0.19DY
URANIUM-235 PCI/L	0.01 +/- 0.02DYRC	0.04 +/- 0.06DY	0.01 +/- 0.09DY
URANIUM-238 PCI/L	0.03 +/- 0.02DYRC	0.18 +/- 0.11DY	0.01 +/- 0.09DY

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10219	10220	10222
SUB-SAMPLE ID:	DIS	DIS	DIS
STATION ID:	MW180	MW181	MW182
SAMPLE DATE:	05/08/1991	05/03/1991	05/03/1991
SAMPLE TIME:	14:50	10:25	08:35
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	5.1 +/- 2.6DY	0.5 +/- 0.5DY	123.1 +/- 6.8DY
GROSS BETA PCI/L	38.1 +/- 5.2DY	173 +/- 7.5DY	1338.3 +/- 28.6DY
NEPTUNIUM-237 PCI/L	0.2 +/- 0.15DY	0.07 +/- 0.08DY	2.83 +/- 0.47DY
PLUTONIUM-239 PCI/L	0.25 +/- 0.18DY	0.01 +/- 0.08DY	0.06 +/- 0.1DY
TECHNETIUM-99 PCI/L	23.6 +/- 3.2DY	150 +/- 10DY	72 +/- 6DYJC
THORIUM-230 PCI/L	1.38 +/- 1.23DY	0.01 +/- 0.08DY	2.83 +/- 1.47DY
URANIUM-234 PCI/L	2.52 +/- 0.38DY	0.09 +/- 0.09DY	131.6 +/- 3.9DY
URANIUM-235 PCI/L	0.06 +/- 0.06DY	0.1 +/- 0.04DY	6.42 +/- 0.85DY
URANIUM-238 PCI/L	1.8 +/- 0.32DY	0.01 +/- 0.04DY	202.4 +/- 4.8DY

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10223	10225	10225
SUB-SAMPLE ID:	DIS	DIS	DUPDI
STATION ID:	MW184	MW185	MW185
SAMPLE DATE:	05/03/1991	05/13/1991	05/13/1991
SAMPLE TIME:	10:45	15:30	15:30
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	1.2 +/- 1.6DY	3.8 +/- 1.6DY	3.4 +/- 1.6DY
GROSS BETA PCI/L	60.3 +/- 7.3DY	358 +/- 10.6DY	333.2 +/- 9.7DY
NEPTUNIUM-237 PCI/L	0.09 +/- 0.09DY	0.08 +/- 0.13DY	0.01 +/- 0.04DY
PLUTONIUM-239 PCI/L	0.44 +/- 0.2DY	0.16 +/- 0.28DY	0.12 +/- 0.11DY
TECHNETIUM-99 PCI/L	2UY	300 +/- 20DYJC	311.6 +/- 25.9DY
THORIUM-230 PCI/L	1.48 +/- 2.07DY	0.36 +/- 0.54DY	0.15 +/- 0.19DY
URANIUM-234 PCI/L	0.15 +/- 0.05DY	0.01 +/- 0.02DY	0.03 +/- 0.06DY
URANIUM-235 PCI/L	0.02 +/- 0.02DY	0.01 +/- 0.02DY	0.01 +/- 0.03DY
URANIUM-238 PCI/L	0.37 +/- 0.08DY	0.01 +/- 0.02DY	0.01 +/- 0.03DY

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10226	10227	10228
SUB-SAMPLE ID:	DIS	DIS	DIS
STATION ID:	MW186	MW187	MW188
SAMPLE DATE:	05/13/1991	05/13/1991	05/11/1991
SAMPLE TIME:	16:15	14:15	13:45
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	3.6 +/- 2.9DY	0.7 +/- 1.7DY	1UYJW
GROSS BETA PCI/L	105.5 +/- 16.7DY	11.6 +/- 3.8DY	17 +/- 3DY
NEPTUNIUM-237 PCI/L	0.01 +/- 0.03DY	0.01 +/- 0.04DY	2UY
PLUTONIUM-239 PCI/L	0.08 +/- 0.06DY	0.03 +/- 0.11DY	0.27 +/- 0.19DYJC
TECHNETIUM-99 PCI/L	85 +/- 6DYJC	7.3 +/- 2.2DYJC	2UY
THORIUM-230 PCI/L	0.18 +/- 1.46DY	0.12 +/- 0.14DY	0.2UYRC
URANIUM-234 PCI/L	0.39 +/- 0.15DY	0.44 +/- 0.12DY	2.4 +/- 0.8DY
URANIUM-235 PCI/L	0.05 +/- 0.07DY	0.01 +/- 0.02DY	0.3UYJC
URANIUM-238 PCI/L	0.08 +/- 0.08DY	0.19 +/- 0.08DY	5.3 +/- 1.1DY

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10229	10230	10231
SUB-SAMPLE ID:	DIS	DIS	DIS
STATION ID:	MW189	MW190	MW191
SAMPLE DATE:	05/11/1991	05/13/1991	05/06/1991
SAMPLE TIME:	11:15	15:00	15:00
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	1.4 +/- 1.2DYJW		2UYJW
GROSS BETA PCI/L	3.3 +/- 2.1DY	4.8 +/- 3.7DY	17 +/- 4DY
NEPTUNIUM-237 PCI/L	4UY	0.01 +/- 0.02DY	2UY
PLUTONIUM-239 PCI/L	0.3UY	0.17 +/- 0.09DY	0.09 +/- 0.08DYJC
TECHNETIUM-99 PCI/L	2UY	2UYJC	2UY
THORIUM-230 PCI/L	1.3 +/- 0.7DYJC	0.07 +/- 0.1DY	0.1UYJC
URANIUM-234 PCI/L	7.1 +/- 1.1DYJC	0.24 +/- 0.1DY	0.6 +/- 0.18DYJC
URANIUM-235 PCI/L	0.2UYJC	0.02 +/- 0.04DY	0.1UYJC
URANIUM-238 PCI/L	7.9 +/- 1.2DYJC	0.08 +/- 0.06DY	1 +/- 0.2DYJC

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10232	10232	10233
SUB-SAMPLE ID:	DIS	DUP	DIS
STATION ID:	MW192	MW192	MW193
SAMPLE DATE:	05/06/1991	05/06/1991	05/08/1991
SAMPLE TIME:	16:25	16:25	14:10
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	2.2 +/- 1.8DYJW	2UY	2UYJW
GROSS BETA PCI/L	10 +/- 4DY	9.7 +/- 3.5DY	8.4 +/- 3.4DYJW
NEPTUNIUM-237 PCI/L	5UY	3UY	2UY
PLUTONIUM-239 PCI/L	0.1UYJC	0.1UYJC	0.09UY
TECHNETIUM-99 PCI/L	2UY	3UYJC	2UY
THORIUM-230 PCI/L	0.1UY	0.18 +/- 0.15DYJC	0.3UYRB
URANIUM-234 PCI/L	0.48 +/- 0.17DYJC	0.33 +/- 0.14DYJC	0.16 +/- 0.11DYRC
URANIUM-235 PCI/L	0.1UYJC	0.1UYJC	0.04UYRC
URANIUM-238 PCI/L	0.46 +/- 0.17DYJC	0.38 +/- 0.15DYJC	0.14 +/- 0.1DYRC

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10234	10236	10237
SUB-SAMPLE ID:	DIS	DIS	DIS
STATION ID:	MW194	MW195	MW196
SAMPLE DATE:	05/01/1991	05/07/1991	05/09/1991
SAMPLE TIME:	14:45	13:50	16:15
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	0.5 +/- 0.8DY	1UY	2 +/- 1.2DY
GROSS BETA PCI/L	6.6 +/- 2.1DY	2900 +/- 100DY	5.4 +/- 2.9DY
NEPTUNIUM-237 PCI/L	0.01 +/- 0.06DYJC	2UY	0.36 +/- 0.12DYJ
PLUTONIUM-239 PCI/L	0.15 +/- 0.13DYJC	0.1UY	0.02 +/- 0.08DYJ
TECHNETIUM-99 PCI/L	3.4 +/- 1.9DYJC	4UYJC	6 +/- 1.9DY
THORIUM-230 PCI/L	0.22 +/- 0.18DYJC	0.7UYJC	0.14 +/- 0.25DYJ
URANIUM-234 PCI/L	0.01 +/- 0.05DY	0.2UY	0.08 +/- 0.07DY
URANIUM-235 PCI/L	0.02 +/- 0.02DY	0.1UY	0.2 +/- 0.39DY
URANIUM-238 PCI/L	0.01 +/- 0.05DY	0.1UYJC	0.07 +/- 0.06DY

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10238	10239	10239
SUB-SAMPLE ID:	DIS	DIS	DUPDI
STATION ID:	MW197	MW198	MW198
SAMPLE DATE:	05/03/1991	05/07/1991	05/07/1991
SAMPLE TIME:	15:00	09:30	09:30
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	4.7 +/- 2DY	6.1 +/- 3DYJW	4.8 +/- 2.8DY
GROSS BETA PCI/L	170.3 +/- 7.6DY	19 +/- 6DYJW	18 +/- 6DY
NEPTUNIUM-237 PCI/L	0.01 +/- 0.05DY	2UY	2UY
PLUTONIUM-239 PCI/L	0.04 +/- 0.08DY	0.1UY	0.07UY
TECHNETIUM-99 PCI/L	130 +/- 10DYJC	3UYJC	2UY
THORIUM-230 PCI/L	0.09 +/- 0.13DY	0.1UYJC	0.3UYJC
URANIUM-234 PCI/L	0.04 +/- 0.04DY	3.7 +/- 0.4DYRC	3.3 +/- 0.4DY
URANIUM-235 PCI/L	0.01 +/- 0.03DY	0.05UY	0.08UY
URANIUM-238 PCI/L	0.03 +/- 0.04DY	2.9 +/- 0.4DYRC	3.1 +/- 0.4DYJC

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10240	10240	10241
SUB-SAMPLE ID:	00000	DIS	DIS
STATION ID:	MW199	MW199	MW200
SAMPLE DATE:	05/14/1991	05/14/1991	04/30/1991
SAMPLE TIME:	14:30	14:30	15:05
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	8.1 +/- 2.7DY	0.7 +/- 1.1DY	5.9 +/- 1.9DY
GROSS BETA PCI/L	35.7 +/- 4.6DY	4.6 +/- 2.4DY	146.2 +/- 6.5DY
NEPTUNIUM-237 PCI/L	0.03 +/- 0.13DY	0.01 +/- 0.08DY	0.26 +/- 0.22DYRC
PLUTONIUM-239 PCI/L	0.3 +/- 0.19DY	0.05 +/- 0.09DY	0.6 +/- 0.38DYRC
TECHNETIUM-99 PCI/L	6UYRC	6UYRC	130 +/- 5DY
THORIUM-230 PCI/L	0.18 +/- 0.13DY	0.15 +/- 0.19DY	0.55 +/- 0.47DYRC
URANIUM-234 PCI/L	1.44 +/- 0.27DY	0.06 +/- 0.05DY	0.05 +/- 0.06DY
URANIUM-235 PCI/L	0.08 +/- 0.07DY	0.01 +/- 0.02DY	0.03 +/- 0.05DY
URANIUM-238 PCI/L	1.5 +/- 0.28DY	0.07 +/- 0.05DY	0.04 +/- 0.06DY

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10242	10243	10244
SUB-SAMPLE ID:	DIS	DIS	DIS
STATION ID:	MW201	MW202	MW203
SAMPLE DATE:	05/07/1991	05/02/1991	05/09/1991
SAMPLE TIME:	11:30	16:15	15:45
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	6.3 +/- 2.5DYJW	2.4 +/- 1.4DY	1.2 +/- 1.1DY
GROSS BETA PCI/L	140 +/- 10DYJW	61.9 +/- 4.5DY	20.1 +/- 3.1DY
NEPTUNIUM-237 PCI/L	3UY	0.02 +/- 0.04DY	0.15 +/- 0.21DYJ
PLUTONIUM-239 PCI/L	0.1UY	0.01 +/- 0.05DY	0.39 +/- 0.31DYJ
TECHNETIUM-99 PCI/L	75 +/- 8DYJC	51 +/- 5DY	20.8 +/- 3DY
THORIUM-230 PCI/L	0.1UYJC	0.09 +/- 0.12DY	1.21 +/- 0.98DYJ
URANIUM-234 PCI/L	0.37 +/- 0.26DY	0.04 +/- 0.04DY	0.13 +/- 0.06DY
URANIUM-235 PCI/L	0.1UY	0.01 +/- 0.02DY	0.01 +/- 0.02DY
URANIUM-238 PCI/L	0.1UYJC	0.01 +/- 0.02DY	0.04 +/- 0.04DY

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10245	10246	10246
SUB-SAMPLE ID:	DIS	00000	DIS
STATION ID:	MW204	MW205	MW205
SAMPLE DATE:	05/09/1991	05/13/1991	05/13/1991
SAMPLE TIME:	15:15	10:20	10:20
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	8 +/- 3.1DY	46 +/- 13DYJW	1.6 +/- 1.3DY
GROSS BETA PCI/L	698.4 +/- 20.2DY	880 +/- 60DYJW	41.6 +/- 4.1DY
NEPTUNIUM-237 PCI/L	0.1 +/- 0.11DYJ	1UY	0.02 +/- 0.1DY
PLUTONIUM-239 PCI/L	0.1 +/- 0.13DYJ	0.1UY	0.14 +/- 0.19DY
TECHNETIUM-99 PCI/L	842.5 +/- 18.6DY	4.6 +/- 3.2DYJC	3UYJC
THORIUM-230 PCI/L	1.31 +/- 0.73DYJ	0.24 +/- 0.13DYRC	0.02 +/- 0.07DY
URANIUM-234 PCI/L	0.29 +/- 0.08DY	0.98 +/- 0.4DY	0.08 +/- 0.06DY
URANIUM-235 PCI/L	0.03 +/- 0.04DY	0.1UY	0.01 +/- 0.03DY
URANIUM-238 PCI/L	0.13 +/- 0.05DY	0.96 +/- 0.39DY	0.01 +/- 0.03DY

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10247	10247	10248
SUB-SAMPLE ID:	00000	DIS	DIS
STATION ID:	MW206	MW206	MW205
SAMPLE DATE:	05/15/1991	05/15/1991	05/21/1991
SAMPLE TIME:	14:30	14:30	14:30
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	11.8 +/- 3.9DY	2.7 +/- 1.8DY	0.8 +/- 1.1DY
GROSS BETA PCI/L	481.7 +/- 16DY	120.2 +/- 7.4DY	20 +/- 3DY
NEPTUNIUM-237 PCI/L	0.09 +/- 0.07DY	0.01 +/- 0.02DY	0.04 +/- 0.06DY
PLUTONIUM-239 PCI/L	0.66 +/- 0.2DY	0.07 +/- 0.07DY	0.17 +/- 0.12DY
TECHNETIUM-99 PCI/L	15 +/- 6DYRC	24 +/- 4DYJC	6UYRC
THORIUM-230 PCI/L	0.9 +/- 0.26DY	0.12 +/- 0.17DY	0.08 +/- 0.11DY
URANIUM-234 PCI/L	0.95 +/- 0.22DY	0.18 +/- 0.1DY	0.24 +/- 0.12DY
URANIUM-235 PCI/L	0.01 +/- 0.03DY	0.01 +/- 0.03DY	0.01 +/- 0.04DY
URANIUM-238 PCI/L	0.81 +/- 0.21DY	0.15 +/- 0.09DY	0.06 +/- 0.07DY

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10249	10249	10250
SUB-SAMPLE ID:	DIS	DUPDI	DIS
STATION ID:	MW206	MW206	MW199
SAMPLE DATE:	05/22/1991	05/22/1991	05/21/1991
SAMPLE TIME:	09:45	09:45	11:15
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	2.7 +/- 2.2DY	0.1 +/- 1.3DY	0.9 +/- 1.2DY
GROSS BETA PCI/L	43.8 +/- 4.8DY	43.8 +/- 4.8DY	6.7 +/- 2.6DY
NEPTUNIUM-237 PCI/L	0.03 +/- 0.05DY	0.08 +/- 0.09DY	0.01 +/- 0.04DY
PLUTONIUM-239 PCI/L	0.11 +/- 0.1DY	0.01 +/- 0.04DY	0.11 +/- 0.11DY
TECHNETIUM-99 PCI/L	22 +/- 4DYJC	30 +/- 5DYJC	4UYJC
THORIUM-230 PCI/L	0.11 +/- 0.1DY	0.16 +/- 0.13DY	0.32 +/- 0.41DY
URANIUM-234 PCI/L	0.4 +/- 0.14DY	0.28 +/- 0.14DY	0.2 +/- 0.1DY
URANIUM-235 PCI/L	0.01 +/- 0.03DY	0.01 +/- 0.03DY	0.02 +/- 0.04DY
URANIUM-238 PCI/L	0.05 +/- 0.05DY	0.08 +/- 0.08DY	0.02 +/- 0.04DY

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10251	10252	10898
SUB-SAMPLE ID:	DIS	DIS	00000
STATION ID:	MW164	MW165	MW201
SAMPLE DATE:	05/30/1991	05/29/1991	04/25/1991
SAMPLE TIME:	08:30	16:20	16:04
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	2.4 +/- 1.8DYJW	2UYJW	14 +/- 5DYJW
GROSS BETA PCI/L	61 +/- 6DYJW	14 +/- 2DYJW	220 +/- 20DYJW
NEPTUNIUM-237 PCI/L	2UYJ	2UY	2UY
PLUTONIUM-239 PCI/L	0.2UYJ	0.09UY	0.2UYRC
TECHNETIUM-99 PCI/L	57 +/- 5DY	25 +/- 4DYJC	180 +/- 10DYJC
THORIUM-230 PCI/L	0.1UYJC	0.2UYJC	31 +/- 1DYJD
URANIUM-234 PCI/L	0.1UYRC	0.22 +/- 0.13DY	0.72 +/- 0.27DYJD
URANIUM-235 PCI/L	0.1UYRC	0.07UYJC	0.1UYJD
URANIUM-238 PCI/L	0.2UYRC	0.24 +/- 0.13DY	0.32 +/- 0.19DYJD

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	10899	10899	10899
SUB-SAMPLE ID:	00000	DIS	DUP
STATION ID:	MW066	MW066	MW066
SAMPLE DATE:	04/08/1991	04/08/1991	04/08/1991
SAMPLE TIME:	13:45	13:45	13:45
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	1UYJW	1UYJW	1UYJW
GROSS BETA PCI/L	1100 +/- 100DY	1500 +/- 100DY	1100 +/- 100DY
NEPTUNIUM-237 PCI/L		5UY	
PLUTONIUM-239 PCI/L	0.06UYRC	0.3UY	0.1UYJ
TECHNETIUM-99 PCI/L	2700 +/- 100DY	2800 +/- 100DYJC	2800 +/- 100DY
THORIUM-230 PCI/L	1UYRC	0.4UYRBN	1UYRC
URANIUM-234 PCI/L	1 +/- 0.6DYJC	0.1UY	1.2 +/- 0.9DYJC
URANIUM-235 PCI/L	0.3UYJC	0.07UY	0.4UYJC
URANIUM-238 PCI/L	3.5 +/- 1.1DYJC	0.07UYJC	4.1 +/- 1.4DYJC

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	17063	17063
SUB-SAMPLE ID:	00000	DIS
STATION ID:	C7302	C7302
SAMPLE DATE:	03/15/1991	03/15/1991
SAMPLE TIME:	13:45	13:45
SAMPLE MATRIX:	GW	GW
UPPER DEPTH:		
LOWER DEPTH:		
GROSS ALPHA PCI/L	0.6UY	0.9UY
GROSS BETA PCI/L	2UY	2UY
NEPTUNIUM-237 PCI/L	2UYJC	3UY
PLUTONIUM-239 PCI/L	0.4UYJC	0.3UYJC
TECHNETIUM-99 PCI/L	4UYJC	4UYJC
THORIUM-230 PCI/L	0.1UY	0.6UYRC
URANIUM-234 PCI/L	0.2UYJC	0.1UYJC
URANIUM-235 PCI/L	0.2UYJC	0.1UYJC
URANIUM-238 PCI/L	0.2UYJC	0.1UYJC

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

APPENDIX 4A-4
Surface Water: Organics

EDMS CHEMICAL OBSERVATIONS MATRIX
SURFACE WATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:	11000	11001	11002	11003	11003	11005
SUB-SAMPLE ID:	00000	00000	00000	DUP	DUPDI	00000
STATION ID:	WMU017	WMU018	WMU019	WMU019	WMU019	WMU003
SAMPLE DATE:	02/27/1991	02/27/1991	02/28/1991	02/28/1991	02/28/1991	03/01/1991
SAMPLE TIME:	16:00	13:00	13:50	13:50	13:50	10:45
SAMPLE MATRIX:	SW	SW	SW	SW	SW	SW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
1,1,1-TRICHLOROETHANE UG/L	5UY	5UY	1DYJ	5UY		5UY
1,1,2,2-TETRACHLOROETHANE UG/L	5UY	5UY	5UY	5UY		5UY
1,1,2-TRICHLOROETHANE UG/L	5UY	5UY	5UY	5UY		5UY
1,1-DICHLOROETHANE UG/L	5UY	5UY	5UY	5UY		5UY
1,1-DICHLOROETHENE UG/L	5UY	5UY	5UY	5UY		5UY
1,2-DICHLOROETHANE UG/L	5UY	5UY	5UY	5UY		5UY
1,2-DICHLOROETHENE (TOTAL) UG/L	5UY	5UY	5UY	5UY		37DY
1,2-DICHLOROPROPANE UG/L	5UY	5UY	5UY	5UY		5UY
2-BUTANONE UG/L	10UY	10UY	10UYR	10UYR		10UYR
2-HEXANONE UG/L	10UY	10UY	10UY	10UY		10UY
4-METHYL-2-PENTANONE UG/L	10UY	10UY	10UY	10UY		10UY
ACETONE UG/L	25UYUJ	11UYUJ	10UY	10UY		32DYJB
BENZENE UG/L	5UY	5UY	5UY	5UY		5UY
BROMODICHLOROMETHANE UG/L	5UY	5UY	5UY	5UY		5UY
BROMOFORM UG/L	5UY	5UY	5UY	5UY		5UY
BROMOMETHANE UG/L	10UY	10UY	10UY	10UY		10UY
CARBON DISULFIDE UG/L	5UY	5UY	39DYJB	10UYJB		5UYJB
CARBON TETRACHLORIDE UG/L	5UY	5UY	5UY	5UY		5UY
CHLOROBENZENE UG/L	5UY	5UY	5UY	5UY		5UY
CHLOROETHANE UG/L	10UY	10UY	10UY	10UY		10UY
CHLOROFORM UG/L	5UY	3DYJ	5UY	5UY		5UY
CHLOROMETHANE UG/L	10UY	10UY	10UY	10UY		10UY
CIS-1,3-DICHLOROPROPENE UG/L	5UY	5UY	5UY	5UY		5UY
DIBROMOCHLOROMETHANE UG/L	5UY	5UY	5UY	5UY		5UY
ETHYLBENZENE UG/L	5UY	5UY	5UY	5UY		5UY
METHYLENE CHLORIDE UG/L	5UYUJ	5UYUJ	56UYJB	37UYJB		5UYJB
STYRENE UG/L	5UY	5UY	5UY	5UY		5UY
TETRACHLOROETHENE UG/L	5UY	5UY	5UY	5UY		5UY
TOLUENE UG/L	5UY	5UY	5UY	5UY		5UY
TRANS-1,3-DICHLOROPROPENE UG/L	5UY	5UY	5UY	5UY		5UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SURFACE WATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:	11000	11001	11002	11003	11003	11005
SUB-SAMPLE ID:	00000	00000	00000	DUP	DUPDI	00000
STATION ID:	WMU017	WMU018	WMU019	WMU019	WMU019	WMU003
SAMPLE DATE:	02/27/1991	02/27/1991	02/28/1991	02/28/1991	02/28/1991	03/01/1991
SAMPLE TIME:	16:00	13:00	13:50	13:50	13:50	10:45
SAMPLE MATRIX:	SW	SW	SW	SW	SW	SW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
TRICHLOROETHENE UG/L	1UY	1UY	1UY	1UY		30DY
VINYL ACETATE UG/L	10UY	10UY	10UY	10UY		10UY
VINYL CHLORIDE UG/L	1UY	1UY	1UY	1UY		1UY
XYLENE (TOTAL) UG/L	5UY	5UY	5UY	5UY		5UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SURFACE WATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:	11006	11007	11011	11012	11013	11014
SUB-SAMPLE ID:	00000	00000	00000	00000	00000	DUP
STATION ID:	WMU003	WMU003	BBC001	BBC002	BBC003	BBC003
SAMPLE DATE:	03/01/1991	03/01/1991	04/19/1991	04/19/1991	04/19/1991	04/19/1991
SAMPLE TIME:	10:00	15:00	09:30	10:50	13:30	13:30
SAMPLE MATRIX:	SW	SW	SW	SW	SW	SW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
1,1,1-TRICHLOROETHANE UG/L	1DYJ	1DYJ	5UY	5UY	5UY	5UY
1,1,2,2-TETRACHLOROETHANE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1,2-TRICHLOROETHANE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1-DICHLOROETHANE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1-DICHLOROETHENE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,2-DICHLOROETHANE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,2-DICHLOROETHENE (TOTAL) UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,2-DICHLOROPROPANE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
2-BUTANONE UG/L	10UYR	10UYR	10UYR	10UY	10UYR	10UYR
2-HEXANONE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-METHYL-2-PENTANONE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ACETONE UG/L	10UY	13UYJB	13UYJB	32UYJB	10UYJ	10UYJ
BENZENE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMODICHLOROMETHANE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMOFORM UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMOMETHANE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CARBON DISULFIDE UG/L	5UYJB	5UYJB	5UY	5UY	5UY	2DYJ
CARBON TETRACHLORIDE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CHLOROBENZENE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CHLOROETHANE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CHLOROFORM UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CHLOROMETHANE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CIS-1,3-DICHLOROPROPENE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
DIBROMOCHLOROMETHANE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
ETHYLBENZENE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
METHYLENE CHLORIDE UG/L	54UYJB	57UYJB	22UYJB	9UYJB	13UYJB	16UYJB
STYRENE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TETRACHLOROETHENE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TOLUENE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TRANS-1,3-DICHLOROPROPENE UG/L	5UY	5UY	5UY	5UY	5UY	5UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SURFACE WATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:	11006	11007	11011	11012	11013	11014
SUB-SAMPLE ID:	00000	00000	00000	00000	00000	DUP
STATION ID:	WMU003	WMU003	BBC001	BBC002	BBC003	BBC003
SAMPLE DATE:	03/01/1991	03/01/1991	04/19/1991	04/19/1991	04/19/1991	04/19/1991
SAMPLE TIME:	10:00	15:00	09:30	10:50	13:30	13:30
SAMPLE MATRIX:	SW	SW	SW	SW	SW	SW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
TRICHLOROETHENE UG/L	0.2DYJ	1UY	1UY	1UY	1UY	1UY
VINYL ACETATE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
VINYL CHLORIDE UG/L	1UY	1UY	1UY	1UY	1UY	1UY
XYLENE (TOTAL) UG/L	5UY	5UY	5UY	5UY	5UY	5UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SURFACE WATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:	11015	11016	11017	11018	11019	11020
SUB-SAMPLE ID:	00000	00000	00000	00000	00000	00000
STATION ID:	BBC004	BBC005	BBC006	BBC007	BBC008	BBC009
SAMPLE DATE:	04/22/1991	04/19/1991	04/22/1991	04/22/1991	04/16/1991	04/22/1991
SAMPLE TIME:	09:15	15:30	10:40	14:15	09:00	11:30
SAMPLE MATRIX:	SW	SW	SW	SW	SW	SW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
1,1,1-TRICHLOROETHANE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1,2,2-TETRACHLOROETHANE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1,2-TRICHLOROETHANE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1-DICHLOROETHANE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1-DICHLOROETHENE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,2-DICHLOROETHANE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,2-DICHLOROETHENE (TOTAL) UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,2-DICHLOROPROPANE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
2-BUTANONE UG/L	10UY	10UYR	10UY	10UYR	10UY	10UY
2-HEXANONE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-METHYL-2-PENTANONE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ACETONE UG/L	10UYJB	10UYJ	10UYJB	10UY	10UYJB	5UYJB
BENZENE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMODICHLOROMETHANE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMOFORM UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMOMETHANE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CARBON DISULFIDE UG/L	2UYJ	5UY	5UY	5UY	5UY	5UY
CARBON TETRACHLORIDE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CHLOROBENZENE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CHLOROETHANE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CHLOROFORM UG/L	5UY	5UY	5UYJ	5UY	5UY	5UY
CHLOROMETHANE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CIS-1,3-DICHLOROPROPENE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
DIBROMOCHLOROMETHANE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
ETHYLBENZENE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
METHYLENE CHLORIDE UG/L	8UYJB	15UYJB	8UYJB	20UYJB	6UYJB	8UYJB
STYRENE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TETRACHLOROETHENE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TOLUENE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TRANS-1,3-DICHLOROPROPENE UG/L	5UY	5UY	5UY	5UY	5UY	5UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SURFACE WATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:	11015	11016	11017	11018	11019	11020
SUB-SAMPLE ID:	00000	00000	00000	00000	00000	00000
STATION ID:	BBC004	BBC005	BBC006	BBC007	BBC008	BBC009
SAMPLE DATE:	04/22/1991	04/19/1991	04/22/1991	04/22/1991	04/16/1991	04/22/1991
SAMPLE TIME:	09:15	15:30	10:40	14:15	09:00	11:30
SAMPLE MATRIX:	SW	SW	SW	SW	SW	SW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
TRICHLOROETHENE UG/L	1UY	1UY	1UY	1UY	1UY	1UY
VINYL ACETATE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
VINYL CHLORIDE UG/L	1UY	1UY	1UY	1UY	10UY	1UY
XYLENE (TOTAL) UG/L	5UY	5UY	5UY	5UY	5UY	5UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SURFACE WATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:	11021	11022	11023	11024	11025	11026
SUB-SAMPLE ID:	00000	00000	00000	DUP	00000	00000
STATION ID:	LBC009	LBC002	LBC003	LBC004	LBC004	LBC005
SAMPLE DATE:	04/22/1991	04/24/1991	04/23/1991	04/23/1991	04/23/1991	04/24/1991
SAMPLE TIME:	16:15	08:45	15:10	13:50	13:30	13:00
SAMPLE MATRIX:	SW	SW	SW	SW	SW	SW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
1,1,1-TRICHLOROETHANE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1,2,2-TETRACHLOROETHANE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1,2-TRICHLOROETHANE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1-DICHLOROETHANE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1-DICHLOROETHENE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,2-DICHLOROETHANE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,2-DICHLOROETHENE (TOTAL) UG/L	5UY	5UY	5UY	3DYJ	3DYJ	5UY
1,2-DICHLOROPROPANE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
2-BUTANONE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-HEXANONE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-METHYL-2-PENTANONE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ACETONE UG/L	10UYJB	15UYJ	10UYUJ	10UY	10UY	10UY
BENZENE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMODICHLOROMETHANE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMOFORM UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMOMETHANE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CARBON DISULFIDE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CARBON TETRACHLORIDE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CHLOROBENZENE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CHLOROETHANE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CHLOROFORM UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CHLOROMETHANE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CIS-1,3-DICHLOROPROPENE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
DIBROMOCHLOROMETHANE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
ETHYLBENZENE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
METHYLENE CHLORIDE UG/L	11UYJB	9UYJB	12UYUJ	13UYJB	13UYJB	8UYJB
STYRENE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TETRACHLOROETHENE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TOLUENE UG/L	5UY	5UY	5UY	1UYJ	1UYJ	5UY
TRANS-1,3-DICHLOROPROPENE UG/L	5UY	5UY	5UY	5UY	5UY	5UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SURFACE WATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:	11021	11022	11023	11024	11025	11026
SUB-SAMPLE ID:	00000	00000	00000	DUP	00000	00000
STATION ID:	LBC009	LBC002	LBC003	LBC004	LBC004	LBC005
SAMPLE DATE:	04/22/1991	04/24/1991	04/23/1991	04/23/1991	04/23/1991	04/24/1991
SAMPLE TIME:	16:15	08:45	15:10	13:50	13:30	13:00
SAMPLE MATRIX:	SW	SW	SW	SW	SW	SW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
TRICHLOROETHENE UG/L	1UY	1UY	1UY	2DY	3DY	1DY
VINYL ACETATE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
VINYL CHLORIDE UG/L	1UY	1UY	1UY	1UY	1UY	1UY
XYLENE (TOTAL) UG/L	5UY	5UY	5UY	5UY	5UY	5UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SURFACE WATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:	11027	11028	11029	11031	11032	11033
SUB-SAMPLE ID:	00000	00000	00000	00000	00000	00000
STATION ID:	LBC006	LBC007	LBC008	LBC001	LBC010	NS001
SAMPLE DATE:	04/24/1991	04/24/1991	04/25/1991	04/23/1991	04/25/1991	04/18/1991
SAMPLE TIME:	14:30	10:00	08:30	10:20	10:00	08:45
SAMPLE MATRIX:	SW	SW	SW	SW	SW	SW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
1,1,1-TRICHLOROETHANE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1,2,2-TETRACHLOROETHANE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1,2-TRICHLOROETHANE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1-DICHLOROETHANE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1-DICHLOROETHENE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,2-DICHLOROETHANE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,2-DICHLOROETHENE (TOTAL) UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,2-DICHLOROPROPANE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
2-BUTANONE UG/L	10UY	10UY	10UY	10UY	10UY	10UYR
2-HEXANONE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-METHYL-2-PENTANONE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ACETONE UG/L	10UYJ	10UYJ	4DYJ	10UYUJ	10UY	160UYJB
BENZENE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMODICHLOROMETHANE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMOFORM UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMOMETHANE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CARBON DISULFIDE UG/L	2DYJ	5UY	150DY	5DY	5UY	5UY
CARBON TETRACHLORIDE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CHLOROBENZENE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CHLOROETHANE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CHLOROFORM UG/L	5UY	5UY	5UY	5UY	5UY	6DYJ
CHLOROMETHANE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CIS-1,3-DICHLOROPROPENE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
DIBROMOCHLOROMETHANE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
ETHYLBENZENE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
METHYLENE CHLORIDE UG/L	8UYJB	8UYJB	8UYUJ	16UYUJ	7UYUJ	22UYJB
STYRENE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TETRACHLOROETHENE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TOLUENE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TRANS-1,3-DICHLOROPROPENE UG/L	5UY	5UY	5UY	5UY	5UY	5UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SURFACE WATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:	11027	11028	11029	11031	11032	11033
SUB-SAMPLE ID:	00000	00000	00000	00000	00000	00000
STATION ID:	LBC006	LBC007	LBC008	LBC001	LBC010	NS001
SAMPLE DATE:	04/24/1991	04/24/1991	04/25/1991	04/23/1991	04/25/1991	04/18/1991
SAMPLE TIME:	14:30	10:00	08:30	10:20	10:00	08:45
SAMPLE MATRIX:	SW	SW	SW	SW	SW	SW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
TRICHLOROETHENE UG/L	1UY	1UY	1UY	1UY	12DY	1DY
VINYL ACETATE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
VINYL CHLORIDE UG/L	1UY	1UY	1UY	1UY	1UY	1UY
XYLENE (TOTAL) UG/L	5UY	5UY	5UY	5UY	5UY	5UY

Data Format: value + detected flag + validated flag + qualifiers

DMS CHEMICAL OBSERVATIONS MATRIX
URFACE WATER
ADUCAH PHASE II
AMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:	11034	11035	11036	11037	11039	11040
SUB-SAMPLE ID:	DUP	00000	00000	00000	00000	00000
STATION ID:	NS002	NS002	NS003	NS004	OF001	OF002
SAMPLE DATE:	04/17/1991	04/17/1991	04/17/1991	04/16/1991	03/26/1991	03/26/1991
SAMPLE TIME:	10:80	10:30	08:45	15:30	08:00	08:30
SAMPLE MATRIX:	SW	SW	SW	SW	SW	SW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
1,1,1-TRICHLOROETHANE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1,2,2-TETRACHLOROETHANE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1,2-TRICHLOROETHANE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1-DICHLOROETHANE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1-DICHLOROETHENE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,2-DICHLOROETHANE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,2-DICHLOROETHENE (TOTAL) UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,2-DICHLOROPROPANE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
2-BUTANONE UG/L	10UYR	10UYR	10UYR	10UY	10UY	10UY
2-HEXANONE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-METHYL-2-PENTANONE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ACETONE UG/L	10UYJB	10UY	10UYJB	10UYJB	10UYUJ	10UYUJ
BENZENE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMODICHLOROMETHANE UG/L	5UY	5UY	5UY	5UY	1DYJ	3DYJ
BROMOFORM UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMOMETHANE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CARBON DISULFIDE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CARBON TETRACHLORIDE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CHLOROBENZENE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CHLOROETHANE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CHLOROFORM UG/L	5UY	5UY	5UY	5UY	6DY	18DY
CHLOROMETHANE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CIS-1,3-DICHLOROPROPENE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
DIBROMOCHLOROMETHANE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
ETHYLBENZENE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
METHYLENE CHLORIDE UG/L	9UYJB	9DYJB	23UYJB	7UYJB	5UYUJ	5UYUJ
STYRENE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TETRACHLOROETHENE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TOLUENE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TRANS-1,3-DICHLOROPROPENE UG/L	5UY	5UY	5UY	5UY	5UY	5UY

)ata Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SURFACE WATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:	11034	11035	11036	11037	11039	11040
SUB-SAMPLE ID:	DUP	00000	00000	00000	00000	00000
STATION ID:	NS002	NS002	NS003	NS004	OF001	OF002
SAMPLE DATE:	04/17/1991	04/17/1991	04/17/1991	04/16/1991	03/26/1991	03/26/1991
SAMPLE TIME:	10:80	10:30	08:45	15:30	08:00	08:30
SAMPLE MATRIX:	SW	SW	SW	SW	SW	SW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
TRICHLOROETHENE UG/L	1UY	1UY	1UY	1UY	1UY	1UY
VINYL ACETATE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
VINYL CHLORIDE UG/L	1UY	1UY	1UY	10UY	1UY	1UY
XYLENE (TOTAL) UG/L	5UY	5UY	5UY	5UY	5UY	5UY

)ata Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:	11041	11042	11044	11045	11046	11047
SUB-SAMPLE ID:	00000	00000	DUP	00000	00000	00000
STATION ID:	OF003	OF004	OF006	OF006	OF008	OF009
SAMPLE DATE:	03/27/1991	03/27/1991	03/26/1991	03/26/1991	03/26/1991	03/26/1991
SAMPLE TIME:	14:10	07:45	09:45	09:45	10:45	12:45
SAMPLE MATRIX:	SW	SW	SW	SW	SW	SW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
1,1,1-TRICHLOROETHANE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1,2,2-TETRACHLOROETHANE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1,2-TRICHLOROETHANE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1-DICHLOROETHANE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1-DICHLOROETHENE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,2-DICHLOROETHANE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,2-DICHLOROETHENE (TOTAL) UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,2-DICHLOROPROPANE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
2-BUTANONE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-HEXANONE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-METHYL-2-PENTANONE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ACETONE UG/L	11UYUJ	10UYUJ	10UYUJ	10UYUJ	10UY	10UYUJ
BENZENE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMODICHLOROMETHANE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMOFORM UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMOMETHANE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CARBON DISULFIDE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CARBON TETRACHLORIDE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CHLOROBENZENE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CHLOROETHANE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CHLOROFORM UG/L	5UY	3DYJ	2DYJ	1DYJ	9DY	5UY
CHLOROMETHANE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CIS-1,3-DICHLOROPROPENE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
DIBROMOCHLOROMETHANE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
ETHYLBENZENE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
METHYLENE CHLORIDE UG/L	13UYUJ	8UYUJ	5UYUJ	6UYUJ	5UY	9UYUJ
STYRENE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TETRACHLOROETHENE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TOLUENE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TRANS-1,3-DICHLOROPROPENE UG/L	5UY	5UY	5UY	5UY	5UY	5UY

)ata Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SURFACE WATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:	11041	11042	11044	11045	11046	11047
SUB-SAMPLE ID:	00000	00000	DUP	00000	00000	00000
STATION ID:	OF003	OF004	OF006	OF006	OF008	OF009
SAMPLE DATE:	03/27/1991	03/27/1991	03/26/1991	03/26/1991	03/26/1991	03/26/1991
SAMPLE TIME:	14:10	07:45	09:45	09:45	10:45	12:45
SAMPLE MATRIX:	SW	SW	SW	SW	SW	SW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
TRICHLOROETHENE UG/L	1UY	1UY	1UY	1UY	5UY	1UY
VINYL ACETATE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
VINYL CHLORIDE UG/L	1UY	1UY	1UY	1UY	10UY	1UY
XYLENE (TOTAL) UG/L	5UY	5UY	5UY	5UY	5UY	5UY

ata Format: value + detected flag + validated flag + qualifiers

DMS CHEMICAL OBSERVATIONS MATRIX
URFACE WATER
ADUCAH PHASE II
AMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:	11048	11049	11049	11050	11052	11053
SUB-SAMPLE ID:	00000	00000	A	00000	00000	00000
STATION ID:	OF010	OF011	OF011	OF012	OF013	OF015
SAMPLE DATE:	03/26/1991	03/26/1991	03/26/1991	03/26/1991	03/26/1991	03/27/1991
SAMPLE TIME:	13:30	14:00	14:00	14:45	15:20	12:35
SAMPLE MATRIX:	SW	SW	SW	SW	SW	SW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
1,1,1-TRICHLOROETHANE UG/L	5UY	5UY		5UY	5UY	5UY
1,1,2,2-TETRACHLOROETHANE UG/L	5UY	5UY		5UY	5UY	5UY
1,1,2-TRICHLOROETHANE UG/L	5UY	5UY		5UY	5UY	5UY
1,1-DICHLOROETHANE UG/L	5UY	5UY		5UY	5UY	5UY
1,1-DICHLOROETHENE UG/L	5UY	5UY		5UY	5UY	5UY
1,2-DICHLOROETHANE UG/L	5UY	5UY		5UY	5UY	5UY
1,2-DICHLOROETHENE (TOTAL) UG/L	5UY	5UY		5UY	5UY	5UY
1,2-DICHLOROPROPANE UG/L	5UY	5UY		5UY	5UY	5UY
2-BUTANONE UG/L	10UY	10UY		10UY	10UY	10UYR
2-HEXANONE UG/L	10UY	10UY		10UY	10UY	10UY
4-METHYL-2-PENTANONE UG/L	10UY	10UY		10UY	10UY	10UY
ACETONE UG/L	10UYUJ	10UY		10UYUJ	10UYUJ	10UY
BENZENE UG/L	5UY	5UY		5UY	5UY	5UY
BROMODICHLOROMETHANE UG/L	5UY	5UY		5UY	5UY	5UY
BROMOFORM UG/L	5UY	5UY		5UY	5UY	5UY
BROMOMETHANE UG/L	10UY	10UY		10UY	10UY	10UY
CARBON DISULFIDE UG/L	5UY	5UY		5UY	5UY	5UY
CARBON TETRACHLORIDE UG/L	5UY	5UY		5UY	5UY	5UY
CHLOROBENZENE UG/L	5UY	5UY		5UY	5UY	5UY
CHLOROETHANE UG/L	10UY	10UY		10UY	10UY	10UY
CHLOROFORM UG/L	5UY	5DY		5UY	5UY	5UY
CHLOROMETHANE UG/L	10UY	10UY		10UY	10UY	10UY
CIS-1,3-DICHLOROPROPENE UG/L	5UY	5UY		5UY	5UY	5UY
DIBROMOCHLOROMETHANE UG/L	5UY	5UY		5UY	5UY	5UY
ETHYLBENZENE UG/L	5UY	5UY		5UY	5UY	5UY
METHYLENE CHLORIDE UG/L	6UYUJ	5UY		5UYUJ	5UYUJ	5UY
STYRENE UG/L	5UY	5UY		5UY	5UY	5UY
TETRACHLOROETHENE UG/L	5UY	5UY		5UY	5UY	5UY
TOLUENE UG/L	5UY	5UY		5UY	5UY	5UY
TRANS-1,3-DICHLOROPROPENE UG/L	5UY	5UY		5UY	5UY	5UY

)ata Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SURFACE WATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:	11048	11049	11049	11050	11052	11053
SUB-SAMPLE ID:	00000	00000	A	00000	00000	00000
STATION ID:	OF010	OF011	OF011	OF012	OF013	OF015
SAMPLE DATE:	03/26/1991	03/26/1991	03/26/1991	03/26/1991	03/26/1991	03/27/1991
SAMPLE TIME:	13:30	14:00	14:00	14:45	15:20	12:35
SAMPLE MATRIX:	SW	SW	SW	SW	SW	SW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
TRICHLOROETHENE UG/L	1UY	16DY		1UY	1UY	5UY
VINYL ACETATE UG/L	10UY	10UY		10UY	10UY	10UY
VINYL CHLORIDE UG/L	1UY	10UY		1UY	1UY	10UY
XYLENE (TOTAL) UG/L	5UY	5UY		5UY	5UY	5UY

)ata Format: value + detected flag + validated flag + qualifiers

DMS CHEMICAL OBSERVATIONS MATRIX
URFACE WATER
ADUCAH PHASE II
AMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:	11054	11055	11056	11057	11058	11060
SUB-SAMPLE ID:	DUP	00000	00000	00000	00000	00000
STATION ID:	OF016	OF016	OF017	OF018	OF014	TP002
SAMPLE DATE:	03/27/1991	03/27/1991	03/27/1991	03/27/1991	03/27/1991	05/22/1991
SAMPLE TIME:	13:35	13:35	08:30	09:15	09:45	10:45
SAMPLE MATRIX:	SW	SW	SW	SW	SW	SW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
1,1,1-TRICHLOROETHANE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1,2,2-TETRACHLOROETHANE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1,2-TRICHLOROETHANE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1-DICHLOROETHANE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,1-DICHLOROETHENE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,2-DICHLOROETHANE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,2-DICHLOROETHENE (TOTAL) UG/L	5UY	5UY	5UY	5UY	5UY	5UY
1,2-DICHLOROPROPANE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
2-BUTANONE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-HEXANONE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-METHYL-2-PENTANONE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ACETONE UG/L	10UYU	10UYUJ	10UYUJ	10UYUJ	10UYUJ	10UY
BENZENE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMODICHLOROMETHANE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMOFORM UG/L	5UY	5UY	5UY	5UY	5UY	5UY
BROMOMETHANE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CARBON DISULFIDE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CARBON TETRACHLORIDE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CHLOROBENZENE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
CHLOROETHANE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CHLOROFORM UG/L	5UY	5UY	5UY	5UY	4DYJ	5UY
CHLOROMETHANE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
CIS-1,3-DICHLOROPROPENE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
DIBROMOCHLOROMETHANE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
ETHYLBENZENE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
METHYLENE CHLORIDE UG/L	80UYJ	5UYUJ	8UYUJ	7UYUJ	9UYUJ	5UY
STYRENE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TETRACHLOROETHENE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TOLUENE UG/L	5UY	5UY	5UY	5UY	5UY	5UY
TRANS-1,3-DICHLOROPROPENE UG/L	5UY	5UY	5UY	5UY	5UY	5UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SURFACE WATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:	11054	11055	11056	11057	11058	11060
SUB-SAMPLE ID:	DUP	00000	00000	00000	00000	00000
STATION ID:	OF016	OF016	OF017	OF018	OF014	TP002
SAMPLE DATE:	03/27/1991	03/27/1991	03/27/1991	03/27/1991	03/27/1991	05/22/1991
SAMPLE TIME:	13:35	13:35	08:30	09:15	09:45	10:45
SAMPLE MATRIX:	SW	SW	SW	SW	SW	SW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
TRICHLOROETHENE UG/L	1UY	1UY	1UY	1UY	1UY	5UY
VINYL ACETATE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
VINYL CHLORIDE UG/L	1UY	1UY	1UY	1UY	1UY	10UY
XYLENE (TOTAL) UG/L	5UY	5UY	5UY	5UY	5UY	5UY

)ata Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SURFACE WATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:		11061	11062	11063
SUB-SAMPLE ID:		00000	00000	00000
STATION ID:		WMU003	TP003	TP005
SAMPLE DATE:		04/25/1991	05/22/1991	05/23/1991
SAMPLE TIME:		14:10	15:20	14:45
SAMPLE MATRIX:		SW	SW	SW
UPPER DEPTH:		0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00
1,1,1-TRICHLOROETHANE	UG/L		50UY	
1,1,2,2-TETRACHLOROETHANE	UG/L		50UY	
1,1,2-TRICHLOROETHANE	UG/L		50UY	
1,1-DICHLOROETHANE	UG/L		50UY	
1,1-DICHLOROETHENE	UG/L		50UY	
1,2-DICHLOROETHANE	UG/L		50UY	
1,2-DICHLOROETHENE (TOTAL)	UG/L		1400DYD	
1,2-DICHLOROPROPANE	UG/L		50UY	
2-BUTANONE	UG/L		100UY	
2-HEXANONE	UG/L		100UY	
4-METHYL-2-PENTANONE	UG/L		100DYD	
ACETONE	UG/L		160DYDJ	
BENZENE	UG/L		50UY	
BROMODICHLOROMETHANE	UG/L		50UY	
BROMOFORM	UG/L		50UY	
BROMOMETHANE	UG/L		100UY	
CARBON DISULFIDE	UG/L		50UY	
CARBON TETRACHLORIDE	UG/L		50UY	
CHLOROBENZENE	UG/L		50UY	
CHLOROETHANE	UG/L		100UY	
CHLOROFORM	UG/L		50UY	
CHLOROMETHANE	UG/L		100UY	
CIS-1,3-DICHLOROPROPENE	UG/L		50UY	
DIBROMOCHLOROMETHANE	UG/L		50UY	
ETHYLBENZENE	UG/L		50UY	
METHYLENE CHLORIDE	UG/L		50UY	
STYRENE	UG/L		50UY	
TETRACHLOROETHENE	UG/L		50UY	
TOLUENE	UG/L		150DYD	
TRANS-1,3-DICHLOROPROPENE	UG/L		50UY	

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SURFACE WATER
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:	11061	11062	11063
SUB-SAMPLE ID:	00000	00000	00000
STATION ID:	WMU003	TP003	TP005
SAMPLE DATE:	04/25/1991	05/22/1991	05/23/1991
SAMPLE TIME:	14:10	15:20	14:45
SAMPLE MATRIX:	SW	SW	SW
UPPER DEPTH:	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00
TRICHLOROETHENE UG/L		50UY	
VINYL ACETATE UG/L		100UY	
VINYL CHLORIDE UG/L		200DYD	
XYLENE (TOTAL) UG/L		65DYD	

Data Format: value + detected flag + validated flag + qualifiers

DMS CHEMICAL OBSERVATIONS MATRIX
URFACE WATER
ADUCAH PHASE II
AMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:	11000	11001	11002	11003	11003	11005
SUB-SAMPLE ID:	00000	00000	00000	DUP	DUPDI	00000
STATION ID:	WMU017	WMU018	WMU019	WMU019	WMU019	WMU003
SAMPLE DATE:	02/27/1991	02/27/1991	02/28/1991	02/28/1991	02/28/1991	03/01/1991
SAMPLE TIME:	16:00	13:00	13:50	13:50	13:50	10:45
SAMPLE MATRIX:	SW	SW	SW	SW	SW	SW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
1,1,2,2-TETRACHLOROETHANE						
1,2,4-TRICHLOROBENZENE UG/L	10UY	10UY	10UY	10UY		10UY
1,2-DICHLOROBENZENE UG/L	10UY	10UY	10UY	10UY		10UY
1,2-DIPHENYLHYDRAZINE UG/L	10UY	10UY				
1,3-DICHLOROBENZENE UG/L	10UY	10UY	10UY	10UY		10UY
1,4-DICHLOROBENZENE UG/L	10UY	10UY	10UY	10UY		10UY
2,4,5-TRICHLOROPHENOL UG/L	50UY	50UY	50UY	50UY		50UY
2,4,6-TRICHLOROPHENOL UG/L	10UY	10UY	10UY	10UY		10UY
2,4-DICHLOROPHENOL UG/L	10UY	10UY	10UY	10UY		10UY
2,4-DIMETHYLPHENOL UG/L	10UY	10UY	10UY	10UY		10UY
2,4-DINITROPHENOL UG/L	50UY	50UY	50UY	50UY		50UY
2,4-DINITROTOLUENE UG/L	10UY	10UY	10UY	10UY		10UY
2,6-DINITROTOLUENE UG/L	10UY	10UY	10UY	10UY		10UY
2-CHLORONAPHTHALENE UG/L	10UY	10UY	10UY	10UY		10UY
2-CHLOROPHENOL UG/L	10UY	10UY	3DYJS	2DYJS		10UY
2-METHYLNAPHTHALENE UG/L	10UY	10UY	10UY	10UY		10UY
2-METHYLPHENOL UG/L	10UY	10UY	10UY	10UY		10UY
2-NITROANILINE UG/L	50UY	50UY	50UY	50UY		50UY
2-NITROPHENOL UG/L	10UY	10UY	10UY	10UY		10UY
3,3'-DICHLOROBENZIDINE UG/L	20UY	20UY	20UY	20UY		20UY
3-HEXENE-2-5,DIONE						
3-NITROANILINE UG/L	50UY	50UY	50UY	50UY		50UY
4,6-DINITRO-2-METHYLPHENOL UG/L	50UY	50UY	50UY	50UY		50UY
4-BROMOPHENYL PHENYL ETHER UG/L	10UY	10UY	10UY	10UY		10UY
4-CHLORO-3-METHYLPHENOL UG/L	10UY	10UY	10UY	2DYJS		10UY
4-CHLOROANILINE UG/L	10UY	10UY	10UY	10UY		10UY
4-CHLOROPHENYL PHENYL ETHER UG/L	10UY	10UY	10UY	10UY		10UY
4-METHYLPHENOL UG/L	10UY	10UY	10UY	10UY		10UY
4-NITROANILINE UG/L	50UY	50UY	50UY	50UY		50UY
4-NITROPHENOL UG/L	50UY	50UY	50UY	50UY		50UY

)ata Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SURFACE WATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		11000	11001	11002	11003	11003	11005
SUB-SAMPLE ID:		00000	00000	00000	DUP	DUPDI	00000
STATION ID:		WMU017	WMU018	WMU019	WMU019	WMU019	WMU003
SAMPLE DATE:		02/27/1991	02/27/1991	02/28/1991	02/28/1991	02/28/1991	03/01/1991
SAMPLE TIME:		16:00	13:00	13:50	13:50	13:50	10:45
SAMPLE MATRIX:		SW	SW	SW	SW	SW	SW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
ACENAPHTHENE	UG/L	10UY	10UY	10UY	10UY		10UY
ACENAPHTHYLENE	UG/L	10UY	10UY	10UY	10UY		10UY
ANTHRACENE	UG/L	10UY	10UY	10UY	10UY		10UY
BENZO(A)ANTHRACENE	UG/L	10UY	10UY	10UY	10UY		10UY
BENZO(A)PYRENE	UG/L	10UY	10UY	10UY	10UY		10UY
BENZO(B)FLUORANTHENE	UG/L	10UY	10UY	10UY	10UY		10UY
BENZO(GHI)PERYLENE	UG/L	10UY	10UY	10UY	10UY		10UY
BENZO(K)FLUORANTHENE	UG/L	10UY	10UY	10UY	10UY		10UY
BENZOIC ACID	UG/L	50UY	50UY	50UY	50UY		50UY
BENZYL ALCOHOL	UG/L	10UY	10UY	10UY	10UY		10UY
BENZYL BUTYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY		10UY
BIS(2-CHLOROETHOXY) METHANE	UG/L	10UY	10UY	10UY	10UY		10UY
BIS(2-CHLOROETHYL)ETHER	UG/L	10UY	10UY	10UY	10UY		10UY
BIS(2-CHLOROISOPROPYL) ETHER	UG/L	10UY	10UY	10UY	10UY		10UY
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	3DYJ	10UY	10UY	1DYJ		10UY
CHRYSENE	UG/L	10UY	10UY	10UY	10UY		10UY
DI-N-BUTYL PHTHALATE	UG/L	10UY	10UY	10UYJB	10UYJB		10UYJB
DI-N-OCTYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY		10UY
DIBENZO(A,H)ANTHRACENE	UG/L	10UY	10UY	10UY	10UY		10UY
DIBENZOFURAN	UG/L	10UY	10UY	10UY	10UY		10UY
DIETHYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY		10UY
DIMETHYL PHTHALATE	UG/L	10UY	10UY	10UY	10UY		10UY
FLUORANTHENE	UG/L	10UY	10UY	1DYJ	1DYJ		10UY
FLUORENE	UG/L	10UY	10UY	10UY	10UY		10UY
HEXACHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY		10UY
HEXACHLOROBUTADIENE	UG/L	10UY	10UY	10UY	10UY		10UY
HEXACHLOROCYCLOPENTADIENE	UG/L	10UY	10UY	10UY	10UY		10UY
HEXACHLOROETHANE	UG/L	10UY	10UY	10UY	10UY		10UY
INDENO(1,2,3-CD)PYRENE	UG/L	10UY	10UY	10UY	10UY		10UY
ISOPHORONE	UG/L	10UY	10UY	10UY	10UY		10UY

Data Format: value + detected flag + validated flag + qualifiers

DMS CHEMICAL OBSERVATIONS MATRIX
URFACE WATER
ADUCAH PHASE II
AMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:	11000	11001	11002	11003	11003	11005
SUB-SAMPLE ID:	00000	00000	00000	DUP	DUPDI	00000
STATION ID:	WMU017	WMU018	WMU019	WMU019	WMU019	WMU003
SAMPLE DATE:	02/27/1991	02/27/1991	02/28/1991	02/28/1991	02/28/1991	03/01/1991
SAMPLE TIME:	16:00	13:00	13:50	13:50	13:50	10:45
SAMPLE MATRIX:	SW	SW	SW	SW	SW	SW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
N-NITROSO-DI-N-PROPYLAMINE UG/L	10UY	10UY	10UY	10UY		10UY
N-NITROSODIPHENYLAMINE UG/L	10UY	10UY	10UY	10UY		10UY
NAPHTHALENE UG/L	10UY	10UY	10UY	10UY		10UY
NITROBENZENE UG/L	10UY	10UY	10UY	10UY		10UY
PENTACHLOROPHENOL UG/L	50UY	50UY	50UY	50UY		50UY
PHENANTHRENE UG/L	10UY	10UY	10UY	10UY		10UY
PHENOL UG/L	10UY	10UY	10UY	10UY		10UY
PYRENE UG/L	10UY	10UY	5DYJS	4DYJ		10UY

)ata Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SURFACE WATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:	11006	11007	11011	11012	11013	11014
SUB-SAMPLE ID:	00000	00000	00000	00000	00000	DUP
STATION ID:	WMU003	WMU003	BBC001	BBC002	BBC003	BBC003
SAMPLE DATE:	03/01/1991	03/01/1991	04/19/1991	04/19/1991	04/19/1991	04/19/1991
SAMPLE TIME:	10:00	15:00	09:30	10:50	13:30	13:30
SAMPLE MATRIX:	SW	SW	SW	SW	SW	SW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
1,1,2,2-TETRACHLOROETHANE						
1,2,4-TRICHLOROBENZENE UG/L	10UY	14UY	10UY	10UY	10UY	10UY
1,2-DICHLOROBENZENE UG/L	10UY	14UY	10UY	10UY	10UY	10UY
1,2-DIPHENYLHYDRAZINE						
1,3-DICHLOROBENZENE UG/L	10UY	14UY	10UY	10UY	10UY	10UY
1,4-DICHLOROBENZENE UG/L	10UY	14UY	10UY	10UY	10UY	10UY
2,4,5-TRICHLOROPHENOL UG/L	50UY	70UY	50UY	50UY	50UY	50UY
2,4,6-TRICHLOROPHENOL UG/L	10UY	14UY	10UY	10UY	10UY	10UY
2,4-DICHLOROPHENOL UG/L	10UY	14UY	10UY	10UY	10UY	10UY
2,4-DIMETHYLPHENOL UG/L	10UY	14UY	10UY	10UY	10UY	10UY
2,4-DINITROPHENOL UG/L	50UY	70UY	50UY	50UY	50UY	50UY
2,4-DINITROTOLUENE UG/L	10UY	14UY	10UY	10UY	10UY	10UY
2,6-DINITROTOLUENE UG/L	10UY	14UY	10UY	10UY	10UY	10UY
2-CHLORONAPHTHALENE UG/L	10UY	14UY	10UY	10UY	10UY	10UY
2-CHLOROPHENOL UG/L	3DYJS	14UY	10UY	10UY	10UY	10UY
2-METHYLNAPHTHALENE UG/L	10UY	14UY	10UY	10UY	10UY	10UY
2-METHYLPHENOL UG/L	10UY	14UY	10UY	10UY	10UY	10UY
2-NITROANILINE UG/L	50UY	70UY	50UY	50UY	50UY	50UY
2-NITROPHENOL UG/L	10UY	14UY	10UY	10UY	10UY	10UY
3,3'-DICHLOROBENZIDINE UG/L	20UY	28UY	20UY	20UY	20UY	20UY
3-HEXENE-2-5,DIONE UG/L		14UY				
3-NITROANILINE UG/L	50UY	70UY	50UY	50UY	50UY	50UY
4,6-DINITRO-2-METHYLPHENOL UG/L	50UY	70UY	50UY	50UY	50UY	50UY
4-BROMOPHENYL PHENYL ETHER UG/L	10UY	14UY	10UY	10UY	10UY	10UY
4-CHLORO-3-METHYLPHENOL UG/L	10UY	14UY	10UY	10UY	10UY	10UY
4-CHLOROANILINE UG/L	10UY	14UY	10UY	10UY	10UY	10UY
4-CHLOROPHENYL PHENYL ETHER UG/L	10UY	14UY	10UY	10UY	10UY	10UY
4-METHYLPHENOL UG/L	10UY	14UY	10UY	10UY	10UY	10UY
4-NITROANILINE UG/L	50UY	70UY	50UY	50UY	50UY	50UY
4-NITROPHENOL UG/L	50UY	70UY	50UY	50UY	50UY	50UY

)ata Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:	11006	11007	11011	11012	11013	11014
SUB-SAMPLE ID:	00000	00000	00000	00000	00000	DUP
STATION ID:	WMU003	WMU003	BBC001	BBC002	BBC003	BBC003
SAMPLE DATE:	03/01/1991	03/01/1991	04/19/1991	04/19/1991	04/19/1991	04/19/1991
SAMPLE TIME:	10:00	15:00	09:30	10:50	13:30	13:30
SAMPLE MATRIX:	SW	SW	SW	SW	SW	SW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
ACENAPHTHENE UG/L	10UY	14UY	10UY	10UY	10UY	10UY
ACENAPHTHYLENE UG/L	10UY	14UY	10UY	10UY	10UY	10UY
ANTHRACENE UG/L	10UY	14UY	10UY	10UY	10UY	10UY
BENZO(A)ANTHRACENE UG/L	10UY	14UY	10UY	10UY	10UY	10UY
BENZO(A)PYRENE UG/L	10UY	14UY	10UY	10UY	10UY	10UY
BENZO(B)FLUORANTHENE UG/L	10UY	14UY	10UY	10UY	10UY	10UY
BENZO(GHI)PERYLENE UG/L	10UY	14UY	10UY	10UY	10UY	10UY
BENZO(K)FLUORANTHENE UG/L	10UY	14UY	10UY	10UY	10UY	10UY
BENZOIC ACID UG/L	50UY	70UY	50UY	50UY	50UY	50UY
BENZYL ALCOHOL UG/L	10UY	14UY	10UY	10UY	10UY	10UY
BENZYL BUTYL PHTHALATE UG/L	10UY	14UY	10UY	10UY	10UY	10UY
BIS(2-CHLOROETHOXY) METHANE UG/L	10UY	14UY	10UY	10UY	10UY	10UY
BIS(2-CHLOROETHYL)ETHER UG/L	10UY	14UY	10UY	10UY	10UY	10UY
BIS(2-CHLOROISOPROPYL) ETHER UG/L	10UY	14UY	10UY	10UY	10UY	10UY
BIS(2-ETHYLHEXYL)PHTHALATE UG/L	10UY	3DYJ	10UY	3DYJ	2DYJ	10UY
CHRYSENE UG/L	10UY	14UY	10UY	10UY	10UY	10UY
DI-N-BUTYL PHTHALATE UG/L	10UYJB	14UYJB	1DYJ	10UY	10UY	10UY
DI-N-OCTYL PHTHALATE UG/L	10UY	14UY	10UY	10UY	10UY	10UY
DIBENZO(A,H)ANTHRACENE UG/L	10UY	14UY	10UY	10UY	10UY	10UY
DIBENZOFURAN UG/L	10UY	14UY	10UY	10UY	10UY	10UY
DIETHYL PHTHALATE UG/L	10UY	14UY	10UY	10UY	10UY	10UY
DIMETHYL PHTHALATE UG/L	10UY	14UY	10UY	10UY	10UY	10UY
FLUORANTHENE UG/L	1DYJ	14UY	10UY	10UY	10UY	10UY
FLUORENE UG/L	10UY	14UY	10UY	10UY	10UY	10UY
HEXACHLOROBENZENE UG/L	10UY	14UY	10UY	10UY	10UY	10UY
HEXACHLOROBUTADIENE UG/L	10UY	14UY	10UY	10UY	10UY	10UY
HEXACHLOROCYCLOPENTADIENE UG/L	10UY	14UY	10UY	10UY	10UY	10UY
HEXACHLOROETHANE UG/L	10UY	14UY	10UY	10UY	10UY	10UY
INDENO(1,2,3-CD)PYRENE UG/L	10UY	14UY	10UY	10UY	10UY	10UY
ISOPHORONE UG/L	10UY	14UY	10UY	10UY	10UY	10UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SURFACE WATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:	11006	11007	11011	11012	11013	11014
SUB-SAMPLE ID:	00000	00000	00000	00000	00000	DUP
STATION ID:	WMU003	WMU003	BBC001	BBC002	BBC003	BBC003
SAMPLE DATE:	03/01/1991	03/01/1991	04/19/1991	04/19/1991	04/19/1991	04/19/1991
SAMPLE TIME:	10:00	15:00	09:30	10:50	13:30	13:30
SAMPLE MATRIX:	SW	SW	SW	SW	SW	SW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
N-NITROSO-DI-N-PROPYLAMINE UG/L	10UY	14UY	10UY	10UY	10UY	10UY
N-NITROSODIPHENYLAMINE UG/L	10UY	14UY	2DYJ	10UY	10UY	10UY
NAPHTHALENE UG/L	10UY	14UY	10UY	10UY	10UY	10UY
NITROBENZENE UG/L	10UY	14UY	10UY	10UY	10UY	10UY
PENTACHLOROPHENOL UG/L	50UY	70UY	50UY	50UY	50UY	50UY
PHENANTHRENE UG/L	10UY	14UY	10UY	10UY	10UY	10UY
PHENOL UG/L	3DYJS		10UY	10UY	10UY	10UY
PYRENE UG/L	5DYJ	3DYJ	10UY	10UY	10UY	10UY

)ata Format: value + detected flag + validated flag + qualifiers

DMS CHEMICAL OBSERVATIONS MATRIX
URFACE WATER
ADUCAH PHASE II
AMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:	11015	11016	11017	11018	11019	11020
SUB-SAMPLE ID:	00000	00000	00000	00000	00000	00000
STATION ID:	BBC004	BBC005	BBC006	BBC007	BBC008	BBC009
SAMPLE DATE:	04/22/1991	04/19/1991	04/22/1991	04/22/1991	04/16/1991	04/22/1991
SAMPLE TIME:	09:15	15:30	10:40	14:15	09:00	11:30
SAMPLE MATRIX:	SW	SW	SW	SW	SW	SW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
1,1,2,2-TETRACHLOROETHANE						
1,2,4-TRICHLOROBENZENE UG/L	10UY	10UY	10UY	11UY	10UY	10UY
1,2-DICHLOROBENZENE UG/L	10UY	10UY	10UY	11UY	10UY	10UY
1,2-DIPHENYLHYDRAZINE						
1,3-DICHLOROBENZENE UG/L	10UY	10UY	10UY	11UY	10UY	10UY
1,4-DICHLOROBENZENE UG/L	10UY	10UY	10UY	11UY	10UY	10UY
2,4,5-TRICHLOROPHENOL UG/L	50UY	50UY	50UY	55UY	50UY	50UY
2,4,6-TRICHLOROPHENOL UG/L	10UY	10UY	10UY	11UY	10UY	10UY
2,4-DICHLOROPHENOL UG/L	10UY	10UY	10UY	11UY	10UY	10UY
2,4-DIMETHYLPHENOL UG/L	10UY	10UY	10UY	11UY	10UY	10UY
2,4-DINITROPHENOL UG/L	50UY	50UY	50UY	55UY	50UY	50UY
2,4-DINITROTOLUENE UG/L	10UY	10UY	10UY	11UY	10UY	10UY
2,6-DINITROTOLUENE UG/L	10UY	10UY	10UY	11UY	10UY	10UY
2-CHLORONAPHTHALENE UG/L	10UY	10UY	10UY	11UY	10UY	10UY
2-CHLOROPHENOL UG/L	10UY	10UY	10UY	11UY	10UY	10UY
2-METHYLNAPHTHALENE UG/L	10UY	10UY	10UY	11UY	10UY	10UY
2-METHYLPHENOL UG/L	10UY	10UY	10UY	11UY	10UY	10UY
2-NITROANILINE UG/L	50UY	50UY	50UY	55UY	50UY	50UY
2-NITROPHENOL UG/L	10UY	10UY	10UY	11UY	10UY	10UY
3,3'-DICHLOROBENZIDINE UG/L	20UY	20UY	20UY	22UY	20UY	20UY
3-HEXENE-2-5,DIONE						
3-NITROANILINE UG/L	50UY	50UY	50UY	55UY	50UY	50UY
4,6-DINITRO-2-METHYLPHENOL UG/L	50UY	50UY	50UY	55UY	50UY	50UY
4-BROMOPHENYL PHENYL ETHER UG/L	10UY	10UY	10UY	11UY	10UY	10UY
4-CHLORO-3-METHYLPHENOL UG/L	10UY	10UY	10UY	11UY	10UY	10UY
4-CHLOROANILINE UG/L	10UY	10UY	10UY	11UY	10UY	10UY
4-CHLOROPHENYL PHENYL ETHER UG/L	10UY	10UY	10UY	11UY	10UY	10UY
4-METHYLPHENOL UG/L	10UY	10UY	10UY	11UY	10UY	10UY
4-NITROANILINE UG/L	50UY	50UY	50UY	55UY	50UY	50UY
4-NITROPHENOL UG/L	50UY	50UY	50UY	55UY	50UY	50UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SURFACE WATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		11015	11016	11017	11018	11019	11020
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		BBC004	BBC005	BBC006	BBC007	BBC008	BBC009
SAMPLE DATE:		04/22/1991	04/19/1991	04/22/1991	04/22/1991	04/16/1991	04/22/1991
SAMPLE TIME:		09:15	15:30	10:40	14:15	09:00	11:30
SAMPLE MATRIX:		SW	SW	SW	SW	SW	SW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
ACENAPHTHENE	UG/L	10UY	10UY	10UY	11UY	10UY	10UY
ACENAPHTHYLENE	UG/L	10UY	10UY	10UY	11UY	10UY	10UY
ANTHRACENE	UG/L	10UY	10UY	10UY	11UY	10UY	10UY
BENZO(A)ANTHRACENE	UG/L	10UY	10UY	10UY	11UY	10UY	10UY
BENZO(A)PYRENE	UG/L	10UY	10UY	10UY	11UY	10UY	10UY
BENZO(B)FLUORANTHENE	UG/L	10UY	10UY	10UY	11UY	10UY	10UY
BENZO(GHI)PERYLENE	UG/L	10UY	10UY	10UY	11UY	10UY	10UY
BENZO(K)FLUORANTHENE	UG/L	10UY	10UY	10UY	11UY	10UY	10UY
BENZOIC ACID	UG/L	50UY	50UY	50UY	55UY	50UY	50UY
BENZYL ALCOHOL	UG/L	10UY	10UY	10UY	11UY	10UY	10UY
BENZYL BUTYL PHTHALATE	UG/L	10UY	10UY	10UY	11UY	10UY	10UY
BIS(2-CHLOROETHOXY) METHANE	UG/L	10UY	10UY	10UY	11UY	10UY	10UY
BIS(2-CHLOROETHYL)ETHER	UG/L	10UY	10UY	10UY	11UY	10UY	10UY
BIS(2-CHLOROISOPROPYL) ETHER	UG/L	10UY	10UY	10UY	11UY	10UY	10UY
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	10UY	10UY	10UY	11UY	10UY	10UY
CHRYSENE	UG/L	10UY	10UY	10UY	11UY	10UY	10UY
DI-N-BUTYL PHTHALATE	UG/L	10UY	10UY	10UY	11UY	10UY	10UY
DI-N-OCTYL PHTHALATE	UG/L	10UY	10UY	10UY	11UY	10UY	10UY
DIBENZO(A,H)ANTHRACENE	UG/L	10UY	10UY	10UY	11UY	10UY	10UY
DIBENZOFURAN	UG/L	10UY	10UY	10UY	11UY	10UY	10UY
DIETHYL PHTHALATE	UG/L	10UY	10UY	10UY	11UY	10UY	10UY
DIMETHYL PHTHALATE	UG/L	10UY	10UY	10UY	11UY	10UY	10UY
FLUORANTHENE	UG/L	10UY	10UY	10UY	11UY	10UY	10UY
FLUORENE	UG/L	10UY	10UY	10UY	11UY	10UY	10UY
HEXACHLOROBENZENE	UG/L	10UY	10UY	10UY	11UY	10UY	10UY
HEXACHLOROBUTADIENE	UG/L	10UY	10UY	10UY	11UY	10UY	10UY
HEXACHLOROCYCLOPENTADIENE	UG/L	10UY	10UY	10UY	11UY	10UY	10UY
HEXACHLOROETHANE	UG/L	10UY	10UY	10UY	11UY	10UY	10UY
INDENO(1,2,3-CD)PYRENE	UG/L	10UY	10UY	10UY	11UY	10UY	10UY
ISOPHORONE	UG/L	10UY	10UY	10UY	11UY	10UY	10UY

)ata Format: value + detected flag + validated flag + qualifiers

DMS CHEMICAL OBSERVATIONS MATRIX
URFACE WATER
ADUCAH PHASE II
AMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:	11015	11016	11017	11018	11019	11020
SUB-SAMPLE ID:	00000	00000	00000	00000	00000	00000
STATION ID:	BBC004	BBC005	BBC006	BBC007	BBC008	BBC009
SAMPLE DATE:	04/22/1991	04/19/1991	04/22/1991	04/22/1991	04/16/1991	04/22/1991
SAMPLE TIME:	09:15	15:30	10:40	14:15	09:00	11:30
SAMPLE MATRIX:	SW	SW	SW	SW	SW	SW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
N-NITROSO-DI-N-PROPYLAMINE UG/L	10UY	10UY	10UY	11UY	10UY	10UY
N-NITROSODIPHENYLAMINE UG/L	10UY	10UY	10UY	11UY	10UY	10UY
NAPHTHALENE UG/L	10UY	10UY	10UY	11UY	10UY	10UY
NITROBENZENE UG/L	10UY	10UY	10UY	11UY	10UY	10UY
PENTACHLOROPHENOL UG/L	50UY	50UY	50UY	55UY	50UY	50UY
PHENANTHRENE UG/L	10UY	10UY	10UY	11UY	10UY	10UY
PHENOL UG/L	10UY	10UY	10UY	11UY	10UY	10UY
PYRENE UG/L	10UY	10UY	10UY	11UY	10UY	10UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SURFACE WATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:	11021	11022	11023	11024	11025	11026
SUB-SAMPLE ID:	00000	00000	00000	DUP	00000	00000
STATION ID:	LBC009	LBC002	LBC003	LBC004	LBC004	LBC005
SAMPLE DATE:	04/22/1991	04/24/1991	04/23/1991	04/23/1991	04/23/1991	04/24/1991
SAMPLE TIME:	16:15	08:45	15:10	13:50	13:30	13:00
SAMPLE MATRIX:	SW	SW	SW	SW	SW	SW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
1,1,2,2-TETRACHLOROETHANE						
1,2,4-TRICHLOROBENZENE UG/L	10UY	10UY	10UY	12UY	10UY	10UY
1,2-DICHLOROBENZENE UG/L	10UY	10UY	10UY	12UY	10UY	10UY
1,2-DIPHENYLHYDRAZINE						
1,3-DICHLOROBENZENE UG/L	10UY	10UY	10UY	12UY	10UY	10UY
1,4-DICHLOROBENZENE UG/L	10UY	10UY	10UY	12UY	10UY	10UY
2,4,5-TRICHLOROPHENOL UG/L	50UY	50UY	50UY	60UY	50UY	50UY
2,4,6-TRICHLOROPHENOL UG/L	10UY	10UY	10UY	12UY	10UY	10UY
2,4-DICHLOROPHENOL UG/L	10UY	10UY	10UY	12UY	10UY	10UY
2,4-DIMETHYLPHENOL UG/L	10UY	10UY	10UY	12UY	10UY	10UY
2,4-DINITROPHENOL UG/L	50UY	50UY	50UY	60UY	50UY	50UY
2,4-DINITROTOLUENE UG/L	10UY	10UY	10UY	12UY	10UY	10UY
2,6-DINITROTOLUENE UG/L	10UY	10UY	10UY	12UY	10UY	10UY
2-CHLORONAPHTHALENE UG/L	10UY	10UY	10UY	12UY	10UY	10UY
2-CHLOROPHENOL UG/L	10UY	10UY	10UY	12UY	10UY	10UY
2-METHYLNAPHTHALENE UG/L	10UY	10UY	10UY	12UY	10UY	10UY
2-METHYLPHENOL UG/L	10UY	10UY	10UY	12UY	10UY	10UY
2-NITROANILINE UG/L	50UY	50UY	50UY	60UY	50UY	50UY
2-NITROPHENOL UG/L	10UY	10UY	10UY	12UY	10UY	10UY
3,3'-DICHLOROBENZIDINE UG/L	20UY	20UY	20UY	24UY	20UY	20UY
3-HEXENE-2-5,DIONE						
3-NITROANILINE UG/L	50UY	50UY	50UY	60UY	50UY	50UY
4,6-DINITRO-2-METHYLPHENOL UG/L	50UY	50UY	50UY	60UY	50UY	50UY
4-BROMOPHENYL PHENYL ETHER UG/L	10UY	10UY	10UY	12UY	10UY	10UY
4-CHLORO-3-METHYLPHENOL UG/L	10UY	10UY	10UY	12UY	10UY	10UY
4-CHLOROANILINE UG/L	10UY	10UY	10UY	12UY	10UY	10UY
4-CHLOROPHENYL PHENYL ETHER UG/L	10UY	10UY	10UY	12UY	10UY	10UY
4-METHYLPHENOL UG/L	10UY	10UY	10UY	12UY	10UY	10UY
4-NITROANILINE UG/L	50UY	50UY	50UY	60UY	50UY	50UY
4-NITROPHENOL UG/L	50UY	50UY	50UY	60UY	50UY	50UY

)ata Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:		11021	11022	11023	11024	11025	11026
SUB-SAMPLE ID:		00000	00000	00000	DUP	00000	00000
STATION ID:		LBC009	LBC002	LBC003	LBC004	LBC004	LBC005
SAMPLE DATE:		04/22/1991	04/24/1991	04/23/1991	04/23/1991	04/23/1991	04/24/1991
SAMPLE TIME:		16:15	08:45	15:10	13:50	13:30	13:00
SAMPLE MATRIX:		SW	SW	SW	SW	SW	SW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
ACENAPHTHENE	UG/L	10UY	10UY	10UY	12UY	10UY	10UY
ACENAPHTHYLENE	UG/L	10UY	10UY	10UY	12UY	10UY	10UY
ANTHRACENE	UG/L	10UY	10UY	10UY	12UY	10UY	10UY
BENZO(A)ANTHRACENE	UG/L	10UY	10UY	10UY	12UY	10UY	10UY
BENZO(A)PYRENE	UG/L	10UY	10UY	10UY	12UY	10UY	10UY
BENZO(B)FLUORANTHENE	UG/L	10UY	10UY	10UY	12UY	10UY	10UY
BENZO(GHI)PERYLENE	UG/L	10UY	10UY	10UY	12UY	10UY	10UY
BENZO(K)FLUORANTHENE	UG/L	10UY	10UY	10UY	12UY	10UY	10UY
BENZOIC ACID	UG/L	50UY	50UY	50UY	60UY	50UY	50UY
BENZYL ALCOHOL	UG/L	10UY	10UY	10UY	12UY	10UY	10UY
BENZYL BUTYL PHTHALATE	UG/L	10UY	10UY	10UY	12UY	10UY	10UY
BIS(2-CHLOROETHOXY) METHANE	UG/L	10UY	10UY	10UY	12UY	10UY	10UY
BIS(2-CHLOROETHYL)ETHER	UG/L	10UY	10UY	10UY	12UY	10UY	10UY
BIS(2-CHLOROISOPROPYL) ETHER	UG/L	10UY	10UY	10UY	12UY	10UY	10UY
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	10UY	10UY	10UY	12UY	10UY	10UY
CHRYSENE	UG/L	10UY	10UY	10UY	12UY	10UY	10UY
DI-N-BUTYL PHTHALATE	UG/L	10UY	10UY	10UY	12UY	10UY	10UY
DI-N-OCTYL PHTHALATE	UG/L	10UY	10UY	10UY	12UY	10UY	10UY
DIBENZO(A,H)ANTHRACENE	UG/L	10UY	10UY	10UY	12UY	10UY	10UY
DIBENZOFURAN	UG/L	10UY	10UY	10UY	12UY	10UY	10UY
DIETHYL PHTHALATE	UG/L	10UY	10UY	10UY	12UY	10UY	10UY
DIMETHYL PHTHALATE	UG/L	10UY	10UY	10UY	12UY	10UY	10UY
FLUORANTHENE	UG/L	10UY	10UY	10UY	12UY	10UY	10UY
FLUORENE	UG/L	10UY	10UY	10UY	12UY	10UY	10UY
HEXACHLOROBENZENE	UG/L	10UY	10UY	10UY	12UY	10UY	10UY
HEXACHLOROBUTADIENE	UG/L	10UY	10UY	10UY	12UY	10UY	10UY
HEXACHLOROCYCLOPENTADIENE	UG/L	10UY	10UY	10UY	12UY	10UY	10UY
HEXACHLOROETHANE	UG/L	10UY	10UY	10UY	12UY	10UY	10UY
INDENO(1,2,3-CD)PYRENE	UG/L	10UY	10UY	10UY	12UY	10UY	10UY
ISOPHORONE	UG/L	10UY	10UY	10UY	12UY	10UY	10UY

)ata Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SURFACE WATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:	11021	11022	11023	11024	11025	11026
SUB-SAMPLE ID:	00000	00000	00000	DUP	00000	00000
STATION ID:	LBC009	LBC002	LBC003	LBC004	LBC004	LBC005
SAMPLE DATE:	04/22/1991	04/24/1991	04/23/1991	04/23/1991	04/23/1991	04/24/1991
SAMPLE TIME:	16:15	08:45	15:10	13:50	13:30	13:00
SAMPLE MATRIX:	SW	SW	SW	SW	SW	SW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
N-NITROSO-DI-N-PROPYLAMINE UG/L	10UY	10UY	10UY	12UY	10UY	10UY
N-NITROSODIPHENYLAMINE UG/L	10UY	10UY	10UY	12UY	10UY	10UY
NAPHTHALENE UG/L	10UY	10UY	10UY	12UY	10UY	10UY
NITROBENZENE UG/L	10UY	10UY	10UY	12UY	10UY	10UY
PENTACHLOROPHENOL UG/L	50UY	50UY	50UY	60UY	50UY	50UY
PHENANTHRENE UG/L	10UY	10UY	10UY	12UY	10UY	10UY
PHENOL UG/L	10UY	10UY	10UY	12UY	10UY	10UY
PYRENE UG/L	10UY	10UY	10UY	12UY	10UY	10UY

ata Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:		11027	11028	11029	11031	11032	11033
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		LBC006	LBC007	LBC008	LBC001	LBC010	NS001
SAMPLE DATE:		04/24/1991	04/24/1991	04/25/1991	04/23/1991	04/25/1991	04/18/1991
SAMPLE TIME:		14:30	10:00	08:30	10:20	10:00	08:45
SAMPLE MATRIX:		SW	SW	SW	SW	SW	SW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,1,2,2-TETRACHLOROETHANE							
1,2,4-TRICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
1,2-DICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
1,2-DIPHENYLHYDRAZINE							
1,3-DICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
1,4-DICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2,4,5-TRICHLOROPHENOL	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
2,4,6-TRICHLOROPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2,4-DICHLOROPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2,4-DIMETHYLPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2,4-DINITROPHENOL	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
2,4-DINITROTOLUENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2,6-DINITROTOLUENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-CHLORONAPHTHALENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-CHLOROPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-METHYLNAPHTHALENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-METHYLPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-NITROANILINE	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
2-NITROPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
3,3'-DICHLOROBENZIDINE	UG/L	20UY	20UY	20UY	20UY	20UY	20UY
3-HEXENE-2-5,DIONE							
3-NITROANILINE	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
4,6-DINITRO-2-METHYLPHENOL	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
4-BROMOPHENYL PHENYL ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-CHLORO-3-METHYLPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-CHLOROANILINE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-CHLOROPHENYL PHENYL ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-METHYLPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-NITROANILINE	UG/L	50UY	50UY	50UY	50UY	50UY	50UY
4-NITROPHENOL	UG/L	50UY	50UY	50UY	50UY	50UY	50UY

ata Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:	11027	11028	11029	11031	11032	11033
SUB-SAMPLE ID:	00000	00000	00000	00000	00000	00000
STATION ID:	LBC006	LBC007	LBC008	LBC001	LBC010	NS001
SAMPLE DATE:	04/24/1991	04/24/1991	04/25/1991	04/23/1991	04/25/1991	04/18/1991
SAMPLE TIME:	14:30	10:00	08:30	10:20	10:00	08:45
SAMPLE MATRIX:	SW	SW	SW	SW	SW	SW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
ACENAPHTHENE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ACENAPHTHYLENE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ANTHRACENE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(A)ANTHRACENE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(A)PYRENE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(B)FLUORANTHENE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(GHI)PERYLENE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(K)FLUORANTHENE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZOIC ACID UG/L	50UY	50UY	50UY	50UY	50UY	50UY
BENZYL ALCOHOL UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZYL BUTYL PHTHALATE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BIS(2-CHLOROETHOXY) METHANE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BIS(2-CHLOROETHYL)ETHER UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BIS(2-CHLOROISOPROPYL) ETHER UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BIS(2-ETHYLHEXYL)PHTHALATE UG/L	10UY	10UY	10UY	10UYUJ	10UY	10UYJB
CHRYSENE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DI-N-BUTYL PHTHALATE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DI-N-OCTYL PHTHALATE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIBENZO(A,H)ANTHRACENE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIBENZOFURAN UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIETHYL PHTHALATE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIMETHYL PHTHALATE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
FLUORANTHENE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
FLUORENE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROBENZENE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROBUTADIENE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROCYCLOPENTADIENE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROETHANE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
INDENO(1,2,3-CD)PYRENE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ISOPHORONE UG/L	10UY	10UY	10UY	10UY	10UY	10UY

ata Format: value + detected flag + validated flag + qualifiers

)MS CHEMICAL OBSERVATIONS MATRIX
JRFACE WATER
ADUCAH PHASE II
AMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:	11027	11028	11029	11031	11032	11033
SUB-SAMPLE ID:	00000	00000	00000	00000	00000	00000
STATION ID:	LBC006	LBC007	LBC008	LBC001	LBC010	NS001
SAMPLE DATE:	04/24/1991	04/24/1991	04/25/1991	04/23/1991	04/25/1991	04/18/1991
SAMPLE TIME:	14:30	10:00	08:30	10:20	10:00	08:45
SAMPLE MATRIX:	SW	SW	SW	SW	SW	SW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
N-NITROSO-DI-N-PROPYLAMINE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
N-NITROSODIPHENYLAMINE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
NAPHTHALENE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
NITROBENZENE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
PENTACHLOROPHENOL UG/L	50UY	50UY	50UY	50UY	50UY	50UY
PHENANTHRENE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
PHENOL UG/L	10UY	10UY	10UY	10UY	10UY	10UY
PYRENE UG/L	10UY	10UY	10UY	10UY	10UY	10UY

ata Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SURFACE WATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:	11034	11035	11036	11037	11039	11040
SUB-SAMPLE ID:	DUP	00000	00000	00000	00000	00000
STATION ID:	NS002	NS002	NS003	NS004	OF001	OF002
SAMPLE DATE:	04/17/1991	04/17/1991	04/17/1991	04/16/1991	03/26/1991	03/26/1991
SAMPLE TIME:	10:80	10:30	08:45	15:30	08:00	08:30
SAMPLE MATRIX:	SW	SW	SW	SW	SW	SW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
1,1,2,2-TETRACHLOROETHANE						
1,2,4-TRICHLOROBENZENE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
1,2-DICHLOROBENZENE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
1,2-DIPHENYLHYDRAZINE UG/L				10UY		
1,3-DICHLOROBENZENE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
1,4-DICHLOROBENZENE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2,4,5-TRICHLOROPHENOL UG/L	50UY	50UY	50UY	50UY	50UY	50UY
2,4,6-TRICHLOROPHENOL UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2,4-DICHLOROPHENOL UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2,4-DIMETHYLPHENOL UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2,4-DINITROPHENOL UG/L	50UY	50UY	50UY	50UY	50UY	50UY
2,4-DINITROTOLUENE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2,6-DINITROTOLUENE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-CHLORONAPHTHALENE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-CHLOROPHENOL UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-METHYLNAPHTHALENE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-METHYLPHENOL UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-NITROANILINE UG/L	50UY	50UY	50UY	50UY	50UY	50UY
2-NITROPHENOL UG/L	10UY	10UY	10UY	10UY	10UY	10UY
3,3'-DICHLOROBENZIDINE UG/L	20UY	20UY	20UY	20UY	20UY	20UY
3-HEXENE-2-5,DIONE						
3-NITROANILINE UG/L	50UY	50UY	50UY	50UY	50UY	50UY
4,6-DINITRO-2-METHYLPHENOL UG/L	50UY	50UY	50UY	50UY	50UY	50UY
4-BROMOPHENYL PHENYL ETHER UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-CHLORO-3-METHYLPHENOL UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-CHLOROANILINE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-CHLOROPHENYL PHENYL ETHER UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-METHYLPHENOL UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-NITROANILINE UG/L	50UY	50UY	50UY	50UY	50UY	50UY
4-NITROPHENOL UG/L	50UY	50UY	50UY	50UY	50UY	50UY

ata Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:	11034	11035	11036	11037	11039	11040
SUB-SAMPLE ID:	DUP	00000	00000	00000	00000	00000
STATION ID:	NS002	NS002	NS003	NS004	OF001	OF002
SAMPLE DATE:	04/17/1991	04/17/1991	04/17/1991	04/16/1991	03/26/1991	03/26/1991
SAMPLE TIME:	10:80	10:30	08:45	15:30	08:00	08:30
SAMPLE MATRIX:	SW	SW	SW	SW	SW	SW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
ACENAPHTHENE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ACENAPHTHYLENE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ANTHRACENE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(A)ANTHRACENE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(A)PYRENE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(B)FLUORANTHENE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(GHI)PERYLENE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(K)FLUORANTHENE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZOIC ACID UG/L	50UY	50UY	50UY	50UY	50UY	50UY
BENZYL ALCOHOL UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZYL BUTYL PHTHALATE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BIS(2-CHLOROETHOXY) METHANE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BIS(2-CHLOROETHYL)ETHER UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BIS(2-CHLOROISOPROPYL) ETHER UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BIS(2-ETHYLHEXYL)PHTHALATE UG/L	10UYJB	10UYJB	10UY	10UY	10UYUJ	10UYUJ
CHRYSENE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DI-N-BUTYL PHTHALATE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DI-N-OCTYL PHTHALATE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIBENZO(A,H)ANTHRACENE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIBENZOFURAN UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIETHYL PHTHALATE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIMETHYL PHTHALATE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
FLUORANTHENE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
FLUORENE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROBENZENE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROBUTADIENE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROCYCLOPENTADIENE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROETHANE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
INDENO(1,2,3-CD)PYRENE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ISOPHORONE UG/L	10UY	10UY	10UY	10UY	10UY	10UY

ata Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SURFACE WATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:	11034	11035	11036	11037	11039	11040
SUB-SAMPLE ID:	DUP	00000	00000	00000	00000	00000
STATION ID:	NS002	NS002	NS003	NS004	OF001	OF002
SAMPLE DATE:	04/17/1991	04/17/1991	04/17/1991	04/16/1991	03/26/1991	03/26/1991
SAMPLE TIME:	10:80	10:30	08:45	15:30	08:00	08:30
SAMPLE MATRIX:	SW	SW	SW	SW	SW	SW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
N-NITROSO-DI-N-PROPYLAMINE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
N-NITROSODIPHENYLAMINE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
NAPHTHALENE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
NITROBENZENE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
PENTACHLOROPHENOL UG/L	50UY	50UY	50UY	50UY	50UY	50UY
PHENANTHRENE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
PHENOL UG/L	10UY	10UY	10UY	10UY	10UY	10UY
PYRENE UG/L	10UY	10UY	10UY	10UY	10UY	10UY

Data Format: value + detected flag + validated flag + qualifiers

)MS CHEMICAL OBSERVATIONS MATRIX
JRFACE WATER
ADUCAH PHASE II
AMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		11041	11042	11044	11045	11046	11047
SUB-SAMPLE ID:		00000	00000	DUP	00000	00000	00000
STATION ID:		OF003	OF004	OF006	OF006	OF008	OF009
SAMPLE DATE:		03/27/1991	03/27/1991	03/26/1991	03/26/1991	03/26/1991	03/26/1991
SAMPLE TIME:		14:10	07:45	09:45	09:45	10:45	12:45
SAMPLE MATRIX:		SW	SW	SW	SW	SW	SW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,1,2,2-TETRACHLOROETHANE							
1,2,4-TRICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
1,2-DICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
1,2-DIPHENYLHYDRAZINE							
1,3-DICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
1,4-DICHLOROBENZENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2,4,5-TRICHLOROPHENOL	UG/L	50UY	50UY	50UY	50UY	48UY	50UY
2,4,6-TRICHLOROPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2,4-DICHLOROPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2,4-DIMETHYLPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2,4-DINITROPHENOL	UG/L	50UY	50UY	50UY	50UY	48UY	50UY
2,4-DINITROTOLUENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2,6-DINITROTOLUENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-CHLORONAPHTHALENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-CHLOROPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-METHYLNAPHTHALENE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-METHYLPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
2-NITROANILINE	UG/L	50UY	50UY	50UY	50UY	48UY	50UY
2-NITROPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
3,3'-DICHLOROBENZIDINE	UG/L	20UY	20UY	20UY	20UY	19UY	20UY
3-HEXENE-2-5,DIONE							
3-NITROANILINE	UG/L	50UY	50UY	50UY	50UY	48UY	50UY
4,6-DINITRO-2-METHYLPHENOL	UG/L	50UY	50UY	50UY	50UY	48UY	50UY
4-BROMOPHENYL PHENYL ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-CHLORO-3-METHYLPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-CHLOROANILINE	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-CHLOROPHENYL PHENYL ETHER	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-METHYLPHENOL	UG/L	10UY	10UY	10UY	10UY	10UY	10UY
4-NITROANILINE	UG/L	50UY	50UY	50UY	50UY	48UY	50UY
4-NITROPHENOL	UG/L	50UY	50UY	50UY	50UY	48UY	50UY

)ata Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:	11041	11042	11044	11045	11046	11047
SUB-SAMPLE ID:	00000	00000	DUP	00000	00000	00000
STATION ID:	OF003	OF004	OF006	OF006	OF008	OF009
SAMPLE DATE:	03/27/1991	03/27/1991	03/26/1991	03/26/1991	03/26/1991	03/26/1991
SAMPLE TIME:	14:10	07:45	09:45	09:45	10:45	12:45
SAMPLE MATRIX:	SW	SW	SW	SW	SW	SW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
ACENAPHTHENE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ACENAPHTHYLENE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ANTHRACENE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(A)ANTHRACENE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(A)PYRENE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(B)FLUORANTHENE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(GHI)PERYLENE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZO(K)FLUORANTHENE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZOIC ACID UG/L	50UY	50UY	50UY	50UY	48UY	50UY
BENZYL ALCOHOL UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BENZYL BUTYL PHTHALATE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BIS(2-CHLOROETHOXY) METHANE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BIS(2-CHLOROETHYL)ETHER UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BIS(2-CHLOROISOPROPYL) ETHER UG/L	10UY	10UY	10UY	10UY	10UY	10UY
BIS(2-ETHYLHEXYL)PHTHALATE UG/L	10UYUJ	10UYUJ	10UYUJ	10UYUJ	2DYJ	10UYUJ
CHRYSENE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DI-N-BUTYL PHTHALATE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DI-N-OCTYL PHTHALATE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIBENZO(A,H)ANTHRACENE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIBENZOFURAN UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIETHYL PHTHALATE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
DIMETHYL PHTHALATE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
FLUORANTHENE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
FLUORENE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROBENZENE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROBUTADIENE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROCYCLOPENTADIENE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
HEXACHLOROETHANE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
INDENO(1,2,3-CD)PYRENE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
ISOPHORONE UG/L	10UY	10UY	10UY	10UY	10UY	10UY

ata Format: value + detected flag + validated flag + qualifiers

DMS CHEMICAL OBSERVATIONS MATRIX
URFACE WATER
ADUCAH PHASE II
AMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:	11041	11042	11044	11045	11046	11047
SUB-SAMPLE ID:	00000	00000	DUP	00000	00000	00000
STATION ID:	OF003	OF004	OF006	OF006	OF008	OF009
SAMPLE DATE:	03/27/1991	03/27/1991	03/26/1991	03/26/1991	03/26/1991	03/26/1991
SAMPLE TIME:	14:10	07:45	09:45	09:45	10:45	12:45
SAMPLE MATRIX:	SW	SW	SW	SW	SW	SW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
N-NITROSO-DI-N-PROPYLAMINE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
N-NITROSODIPHENYLAMINE UG/L	10UY	2DYJ	10UY	10UY	10UY	10UY
NAPHTHALENE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
NITROBENZENE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
PENTACHLOROPHENOL UG/L	50UY	50UY	50UY	50UY	48UY	50UY
PHENANTHRENE UG/L	10UY	10UY	10UY	10UY	10UY	10UY
PHENOL UG/L	10UY	10UY	10UY	10UY	10UY	10UY
PYRENE UG/L	10UY	10UY	10UY	10UY	10UY	10UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SURFACE WATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:	11048	11049	11049	11050	11052	11053
SUB-SAMPLE ID:	00000	00000	A	00000	00000	00000
STATION ID:	OF010	OF011	OF011	OF012	OF013	OF015
SAMPLE DATE:	03/26/1991	03/26/1991	03/26/1991	03/26/1991	03/26/1991	03/27/1991
SAMPLE TIME:	13:30	14:00	14:00	14:45	15:20	12:35
SAMPLE MATRIX:	SW	SW	SW	SW	SW	SW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
1,1,2,2-TETRACHLOROETHANE UG/L						4DYJN
1,2,4-TRICHLOROBENZENE UG/L	10UY	10UY	9UY	10UY	10UY	9UY
1,2-DICHLOROBENZENE UG/L	10UY	10UY	9UY	10UY	10UY	9UY
1,2-DIPHENYLHYDRAZINE UG/L		10UY				
1,3-DICHLOROBENZENE UG/L	10UY	10UY	9UY	10UY	10UY	9UY
1,4-DICHLOROBENZENE UG/L	10UY	10UY	9UY	10UY	10UY	9UY
2,4,5-TRICHLOROPHENOL UG/L	50UY	50UY	44UY	50UY	50UY	44UY
2,4,6-TRICHLOROPHENOL UG/L	10UY	10UY	9UY	10UY	10UY	9UY
2,4-DICHLOROPHENOL UG/L	10UY	10UY	9UY	10UY	10UY	9UY
2,4-DIMETHYLPHENOL UG/L	10UY	10UY	9UY	10UY	10UY	9UY
2,4-DINITROPHENOL UG/L	50UY	50UY	44UY	50UY	50UY	44UY
2,4-DINITROTOLUENE UG/L	10UY	10UY	9UY	10UY	10UY	9UY
2,6-DINITROTOLUENE UG/L	10UY	10UY	9UY	10UY	10UY	9UY
2-CHLORONAPHTHALENE UG/L	10UY	10UY	9UY	10UY	10UY	9UY
2-CHLOROPHENOL UG/L	10UY	10UY	9UY	10UY	10UY	9UY
2-METHYLNAPHTHALENE UG/L	10UY	10UY	9UY	10UY	10UY	9UY
2-METHYLPHENOL UG/L	10UY	10UY	9UY	10UY	10UY	9UY
2-NITROANILINE UG/L	50UY	50UY	44UY	50UY	50UY	44UY
2-NITROPHENOL UG/L	10UY	10UY	9UY	10UY	10UY	9UY
3,3'-DICHLOROBENZIDINE UG/L	20UY	20UY	18UY	20UY	20UY	17UY
3-HEXENE-2-5,DIONE						
3-NITROANILINE UG/L	50UY	50UY	44UY	50UY	50UY	44UY
4,6-DINITRO-2-METHYLPHENOL UG/L	50UY	50UY	44UY	50UY	50UY	44UY
4-BROMOPHENYL PHENYL ETHER UG/L	10UY	10UY	9UY	10UY	10UY	9UY
4-CHLORO-3-METHYLPHENOL UG/L	10UY	10UY	9UY	10UY	10UY	9UY
4-CHLOROANILINE UG/L	10UY	10UY	9UY	10UY	10UY	9UY
4-CHLOROPHENYL PHENYL ETHER UG/L	10UY	10UY	9UY	10UY	10UY	9UY
4-METHYLPHENOL UG/L	10UY	10UY	9UY	10UY	10UY	9UY
4-NITROANILINE UG/L	50UY	50UY	44UY	50UY	50UY	44UY
4-NITROPHENOL UG/L	50UY	50UY	44UY	50UY	50UY	44UY

ata Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:	11048	11049	11049	11050	11052	11053
SUB-SAMPLE ID:	00000	00000	A	00000	00000	00000
STATION ID:	OF010	OF011	OF011	OF012	OF013	OF015
SAMPLE DATE:	03/26/1991	03/26/1991	03/26/1991	03/26/1991	03/26/1991	03/27/1991
SAMPLE TIME:	13:30	14:00	14:00	14:45	15:20	12:35
SAMPLE MATRIX:	SW	SW	SW	SW	SW	SW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
ACENAPHTHENE UG/L	10UY	10UY	9UY	10UY	10UY	9UY
ACENAPHTHYLENE UG/L	10UY	10UY	9UY	10UY	10UY	9UY
ANTHRACENE UG/L	10UY	10UY	9UY	10UY	10UY	9UY
BENZO(A)ANTHRACENE UG/L	10UY	10UY	9UY	10UY	10UY	9UY
BENZO(A)PYRENE UG/L	10UY	10UY	9UY	10UY	10UY	9UY
BENZO(B)FLUORANTHENE UG/L	10UY	10UY	9UY	10UY	10UY	9UY
BENZO(GHI)PERYLENE UG/L	10UY	10UY	9UY	10UY	10UY	9UY
BENZO(K)FLUORANTHENE UG/L	10UY	10UY	9UY	10UY	10UY	9UY
BENZOIC ACID UG/L	50UY	50UY	44UY	50UY	50UY	44UY
BENZYL ALCOHOL UG/L	10UY	10UY	9UY	10UY	10UY	9UY
BENZYL BUTYL PHTHALATE UG/L	10UY	10UY	9UY	10UY	10UY	9UY
BIS(2-CHLOROETHOXY) METHANE UG/L	10UY	10UY	9UY	10UY	10UY	9UY
BIS(2-CHLOROETHYL)ETHER UG/L	10UY	10UY	9UY	10UY	10UY	9UY
BIS(2-CHLOROISOPROPYL) ETHER UG/L	10UY	10UY	9UY	10UY	10UY	9UY
BIS(2-ETHYLHEXYL)PHTHALATE UG/L	10UY	10UY	0.8DYJ	10UYUJ	10UYUJ	9UY
CHRYSENE UG/L	10UY	10UY	9UY	10UY	10UY	9UY
DI-N-BUTYL PHTHALATE UG/L	10UY	10UY	9UY	10UY	10UY	9UY
DI-N-OCTYL PHTHALATE UG/L	10UY	10UY	9UY	10UY	10UY	9UY
DIBENZO(A,H)ANTHRACENE UG/L	10UY	10UY	9UY	10UY	10UY	9UY
DIBENZOFURAN UG/L	10UY	10UY	9UY	10UY	10UY	9UY
DIETHYL PHTHALATE UG/L	10UY	10UY	9UY	10UY	10UY	9UY
DIMETHYL PHTHALATE UG/L	10UY	10UY	9UY	10UY	10UY	9UY
FLUORANTHENE UG/L	10UY	10UY	9UY	10UY	10UY	9UY
FLUORENE UG/L	10UY	10UY	9UY	10UY	10UY	9UY
HEXACHLOROBENZENE UG/L	10UY	10UY	9UY	10UY	10UY	9UY
HEXACHLOROBUTADIENE UG/L	10UY	10UY	9UY	10UY	10UY	9UY
HEXACHLOROCYCLOPENTADIENE UG/L	10UY	10UY	9UY	10UY	10UY	9UY
HEXACHLOROETHANE UG/L	10UY	10UY	9UY	10UY	10UY	9UY
INDENO(1,2,3-CD)PYRENE UG/L	10UY	10UY	9UY	10UY	10UY	9UY
ISOPHORONE UG/L	10UY	10UY	9UY	10UY	10UY	9UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SURFACE WATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:	11048	11049	11049	11050	11052	11053
SUB-SAMPLE ID:	00000	00000	A	00000	00000	00000
STATION ID:	OF010	OF011	OF011	OF012	OF013	OF015
SAMPLE DATE:	03/26/1991	03/26/1991	03/26/1991	03/26/1991	03/26/1991	03/27/1991
SAMPLE TIME:	13:30	14:00	14:00	14:45	15:20	12:35
SAMPLE MATRIX:	SW	SW	SW	SW	SW	SW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
N-NITROSO-DI-N-PROPYLAMINE UG/L	10UY	10UY	9UY	10UY	10UY	9UY
N-NITROSODIPHENYLAMINE UG/L	10UY	10UY	9UY	10UY	10UY	9UY
NAPHTHALENE UG/L	10UY	10UY	9UY	10UY	10UY	9UY
NITROBENZENE UG/L	10UY	10UY	9UY	10UY	10UY	9UY
PENTACHLOROPHENOL UG/L	50UY	50UY	44UY	50UY	50UY	44UY
PHENANTHRENE UG/L	10UY	10UY	9UY	10UY	10UY	9UY
PHENOL UG/L	10UY	10UY	9UY	10UY	10UY	9UY
PYRENE UG/L	10UY	10UY	9UY	10UY	10UY	9UY

)ata Format: value + detected flag + validated flag + qualifiers

DMS CHEMICAL OBSERVATIONS MATRIX
URFACE WATER
ADUCAH PHASE II
AMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		11054	11055	11056	11057	11058	11060
SUB-SAMPLE ID:		DUP	00000	00000	00000	00000	00000
STATION ID:		OF016	OF016	OF017	OF018	OF014	TP002
SAMPLE DATE:		03/27/1991	03/27/1991	03/27/1991	03/27/1991	03/27/1991	05/22/1991
SAMPLE TIME:		13:35	13:35	08:30	09:15	09:45	10:45
SAMPLE MATRIX:		SW	SW	SW	SW	SW	SW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,1,2,2-TETRACHLOROETHANE							
1,2,4-TRICHLOROBENZENE	UG/L	10UY		10UY	10UY	10UY	100UY
1,2-DICHLOROBENZENE	UG/L	10UY		10UY	10UY	10UY	100UY
1,2-DIPHENYLHYDRAZINE							
1,3-DICHLOROBENZENE	UG/L	10UY		10UY	10UY	10UY	100UY
1,4-DICHLOROBENZENE	UG/L	10UY		10UY	10UY	10UY	100UY
2,4,5-TRICHLOROPHENOL	UG/L	50UY		50UY	50UY	50UY	500UY
2,4,6-TRICHLOROPHENOL	UG/L	10UY		10UY	10UY	10UY	100UY
2,4-DICHLOROPHENOL	UG/L	10UY		10UY	10UY	10UY	100UY
2,4-DIMETHYLPHENOL	UG/L	10UY		10UY	10UY	10UY	100UY
2,4-DINITROPHENOL	UG/L	50UY		50UY	50UY	50UY	500UY
2,4-DINITROTOLUENE	UG/L	10UY		10UY	10UY	10UY	100UY
2,6-DINITROTOLUENE	UG/L	10UY		10UY	10UY	10UY	100UY
2-CHLORONAPHTHALENE	UG/L	10UY		10UY	10UY	10UY	100UY
2-CHLOROPHENOL	UG/L	10UY		10UY	10UY	10UY	100UY
2-METHYLNAPHTHALENE	UG/L	10UY		10UY	10UY	10UY	100UY
2-METHYLPHENOL	UG/L	10UY		10UY	10UY	10UY	100UY
2-NITROANILINE	UG/L	50UY		50UY	50UY	50UY	500UY
2-NITROPHENOL	UG/L	10UY		10UY	10UY	10UY	100UY
3,3'-DICHLOROBENZIDINE	UG/L	20UY		20UY	20UY	20UY	200UY
3-HEXENE-2-5,DIONE							
3-NITROANILINE	UG/L	50UY		50UY	50UY	50UY	500UY
4,6-DINITRO-2-METHYLPHENOL	UG/L	50UY		50UY	50UY	50UY	500UY
4-BROMOPHENYL PHENYL ETHER	UG/L	10UY		10UY	10UY	10UY	100UY
4-CHLORO-3-METHYLPHENOL	UG/L	10UY		10UY	10UY	10UY	100UY
4-CHLOROANILINE	UG/L	10UY		10UY	10UY	10UY	100UY
4-CHLOROPHENYL PHENYL ETHER	UG/L	10UY		10UY	10UY	10UY	100UY
4-METHYLPHENOL	UG/L	10UY		10UY	10UY	10UY	100UY
4-NITROANILINE	UG/L	50UY		50UY	50UY	50UY	500UY
4-NITROPHENOL	UG/L	50UY		50UY	50UY	50UY	500UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SURFACE WATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		11054	11055	11056	11057	11058	11060
SUB-SAMPLE ID:		DUP	00000	00000	00000	00000	00000
STATION ID:		OF016	OF016	OF017	OF018	OF014	TP002
SAMPLE DATE:		03/27/1991	03/27/1991	03/27/1991	03/27/1991	03/27/1991	05/22/1991
SAMPLE TIME:		13:35	13:35	08:30	09:15	09:45	10:45
SAMPLE MATRIX:		SW	SW	SW	SW	SW	SW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
ACENAPHTHENE	UG/L	10UY		10UY	10UY	10UY	100UY
ACENAPHTHYLENE	UG/L	10UY		10UY	10UY	10UY	100UY
ANTHRACENE	UG/L	10UY		10UY	10UY	10UY	100UY
BENZO(A)ANTHRACENE	UG/L	10UY		10UY	10UY	10UY	100UY
BENZO(A)PYRENE	UG/L	10UY		10UY	10UY	10UY	100UY
BENZO(B)FLUORANTHENE	UG/L	10UY		10UY	10UY	10UY	100UY
BENZO(GHI)PERYLENE	UG/L	10UY		10UY	10UY	10UY	100UY
BENZO(K)FLUORANTHENE	UG/L	10UY		10UY	10UY	10UY	100UY
BENZOIC ACID	UG/L	50UY		50UY	50UY	50UY	500UY
BENZYL ALCOHOL	UG/L	10UY		10UY	10UY	10UY	100UY
BENZYL BUTYL PHTHALATE	UG/L	10UY		10UY	10UY	10UY	100UY
BIS(2-CHLOROETHOXY) METHANE	UG/L	10UY		10UY	10UY	10UY	100UY
BIS(2-CHLOROETHYL)ETHER	UG/L	10UY		10UY	10UY	10UY	100UY
BIS(2-CHLOROISOPROPYL) ETHER	UG/L	10UY		10UY	10UY	10UY	100UY
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	10UYUJ		10UYUJ	10UYUJ	10UYUJ	100DY
CHRYSENE	UG/L	10UY		10UY	10UY	10UY	100UY
DI-N-BUTYL PHTHALATE	UG/L	10UY		10UY	10UY	10UY	100UY
DI-N-OCTYL PHTHALATE	UG/L	10UY		10UY	10UY	10UY	120DY
DIBENZO(A,H)ANTHRACENE	UG/L	10UY		10UY	10UY	10UY	100UY
DIBENZOFURAN	UG/L	10UY		10UY	10UY	10UY	100UY
DIETHYL PHTHALATE	UG/L	10UY		10UY	10UY	10UY	100UY
DIMETHYL PHTHALATE	UG/L	10UY		10UY	10UY	10UY	100UY
FLUORANTHENE	UG/L	10UY		10UY	10UY	10UY	100UY
FLUORENE	UG/L	10UY		10UY	10UY	10UY	100UY
HEXACHLOROBENZENE	UG/L	10UY		10UY	10UY	10UY	100UY
HEXACHLOROBUTADIENE	UG/L	10UY		10UY	10UY	10UY	100UY
HEXACHLOROCYCLOPENTADIENE	UG/L	10UY		10UY	10UY	10UY	100UY
HEXACHLOROETHANE	UG/L	10UY		10UY	10UY	10UY	100UY
INDENO(1,2,3-CD)PYRENE	UG/L	10UY		10UY	10UY	10UY	100UY
ISOPHORONE	UG/L	10UY		10UY	10UY	10UY	100UY

ata Format: value + detected flag + validated flag + qualifiers

DMS CHEMICAL OBSERVATIONS MATRIX
URFACE WATER
ADUCAH PHASE II
AMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:	11054	11055	11056	11057	11058	11060
SUB-SAMPLE ID:	DUP	00000	00000	00000	00000	00000
STATION ID:	OF016	OF016	OF017	OF018	OF014	TP002
SAMPLE DATE:	03/27/1991	03/27/1991	03/27/1991	03/27/1991	03/27/1991	05/22/1991
SAMPLE TIME:	13:35	13:35	08:30	09:15	09:45	10:45
SAMPLE MATRIX:	SW	SW	SW	SW	SW	SW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
N-NITROSO-DI-N-PROPYLAMINE UG/L	10UY		10UY	10UY	10UY	100UY
N-NITROSODIPHENYLAMINE UG/L	10UY		10UY	10UY	10UY	100UY
NAPHTHALENE UG/L	10UY		10UY	10UY	10UY	100UY
NITROBENZENE UG/L	10UY		10UY	10UY	10UY	100UY
PENTACHLOROPHENOL UG/L	50UY		50UY	50UY	50UY	500UY
PHENANTHRENE UG/L	10UY		10UY	10UY	10UY	100UY
PHENOL UG/L	10UY		10UY	10UY	10UY	100UY
PYRENE UG/L	10UY		10UY	10UY	10UY	100UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SURFACE WATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		11061	11062	11063
SUB-SAMPLE ID:		00000	00000	00000
STATION ID:		WMU003	TP003	TP005
SAMPLE DATE:		04/25/1991	05/22/1991	05/23/1991
SAMPLE TIME:		14:10	15:20	14:45
SAMPLE MATRIX:		SW	SW	SW
UPPER DEPTH:		0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00
1,1,2,2-TETRACHLOROETHANE				
1,2,4-TRICHLOROBENZENE	UG/L		330UY	10UY
1,2-DICHLOROBENZENE	UG/L		330UY	10UY
1,2-DIPHENYLHYDRAZINE				
1,3-DICHLOROBENZENE	UG/L		330UY	10UY
1,4-DICHLOROBENZENE	UG/L		330UY	10UY
2,4,5-TRICHLOROPHENOL	UG/L		1700UY	50UY
2,4,6-TRICHLOROPHENOL	UG/L		330UY	10UY
2,4-DICHLOROPHENOL	UG/L		330UY	10UY
2,4-DIMETHYLPHENOL	UG/L		3900DYD	10UY
2,4-DINITROPHENOL	UG/L		1700UY	50UY
2,4-DINITROTOLUENE	UG/L		330UY	10UY
2,6-DINITROTOLUENE	UG/L		330UY	10UY
2-CHLORONAPHTHALENE	UG/L		330UY	10UY
2-CHLOROPHENOL	UG/L		330UY	10UY
2-METHYLNAPHTHALENE	UG/L		330UY	10UY
2-METHYLPHENOL	UG/L		350DYD	10UY
2-NITROANILINE	UG/L		1700UY	50UY
2-NITROPHENOL	UG/L		330UY	10UY
3,3'-DICHLOROBENZIDINE	UG/L		670UY	20UY
3-HEXENE-2-5,DIONE				
3-NITROANILINE	UG/L		1700UY	50UY
4,6-DINITRO-2-METHYLPHENOL	UG/L		1700UY	50UY
4-BROMOPHENYL PHENYL ETHER	UG/L		330UY	10UY
4-CHLORO-3-METHYLPHENOL	UG/L		330UY	10UY
4-CHLOROANILINE	UG/L		330UY	10UY
4-CHLOROPHENYL PHENYL ETHER	UG/L		330UY	10UY
4-METHYLPHENOL	UG/L		6500DYD	10UY
4-NITROANILINE	UG/L		1700UY	50UY
4-NITROPHENOL	UG/L		1700UY	50UY

)ata Format: value + detected flag + validated flag + qualifiers

DMS CHEMICAL OBSERVATIONS MATRIX
URFACE WATER
ADUCAH PHASE II
AMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		11061	11062	11063
SUB-SAMPLE ID:		00000	00000	00000
STATION ID:		WMU003	TP003	TP005
SAMPLE DATE:		04/25/1991	05/22/1991	05/23/1991
SAMPLE TIME:		14:10	15:20	14:45
SAMPLE MATRIX:		SW	SW	SW
UPPER DEPTH:		0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00
ACENAPHTHENE	UG/L		330UY	10UY
ACENAPHTHYLENE	UG/L		330UY	10UY
ANTHRACENE	UG/L		330UY	10UY
BENZO(A)ANTHRACENE	UG/L		330UY	10UY
BENZO(A)PYRENE	UG/L		330UY	10UY
BENZO(B)FLUORANTHENE	UG/L		330UY	10UY
BENZO(GHI)PERYLENE	UG/L		330UY	10UY
BENZO(K)FLUORANTHENE	UG/L		330UY	10UY
BENZOIC ACID	UG/L		1700UY	50UY
BENZYL ALCOHOL	UG/L		330UY	10UY
BENZYL BUTYL PHTHALATE	UG/L		330UY	10UY
BIS(2-CHLOROETHOXY) METHANE	UG/L		330UY	10UY
BIS(2-CHLOROETHYL)ETHER	UG/L		330UY	10UY
BIS(2-CHLOROISOPROPYL) ETHER	UG/L		330UY	10UY
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L		330UY	10UY
CHRYSENE	UG/L		330UY	10UY
DI-N-BUTYL PHTHALATE	UG/L		330UY	10UY
DI-N-OCTYL PHTHALATE	UG/L		330UY	10UY
DIBENZO(A,H)ANTHRACENE	UG/L		330UY	10UY
DIBENZOFURAN	UG/L		330UY	10UY
DIETHYL PHTHALATE	UG/L		330UY	10UY
DIMETHYL PHTHALATE	UG/L		330UY	10UY
FLUORANTHENE	UG/L		330UY	10UY
FLUORENE	UG/L		330UY	10UY
HEXACHLOROBENZENE	UG/L		330UY	10UY
HEXACHLOROBUTADIENE	UG/L		330UY	10UY
HEXACHLOROCYCLOPENTADIENE	UG/L		330UY	10UY
HEXACHLOROETHANE	UG/L		330UY	10UY
INDENO(1,2,3-CD)PYRENE	UG/L		330UY	10UY
ISOPHORONE	UG/L		330UY	10UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SURFACE WATER
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		11061	11062	11063
SUB-SAMPLE ID:		00000	00000	00000
STATION ID:		WMU003	TP003	TP005
SAMPLE DATE:		04/25/1991	05/22/1991	05/23/1991
SAMPLE TIME:		14:10	15:20	14:45
SAMPLE MATRIX:		SW	SW	SW
UPPER DEPTH:		0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00
N-NITROSO-DI-N-PROPYLAMINE	UG/L		330UY	10UY
N-NITROSODIPHENYLAMINE	UG/L		330UY	10UY
NAPHTHALENE	UG/L		330UY	10UY
NITROBENZENE	UG/L		330UY	10UY
PENTACHLOROPHENOL	UG/L		1700UY	50UY
PHENANTHRENE	UG/L		330UY	10UY
PHENOL	UG/L		220DYDJ	10UY
PYRENE	UG/L		330UY	10UY

Data Format: value + detected flag + validated flag + qualifiers

DMS CHEMICAL OBSERVATIONS MATRIX
URFACE WATER
ADUCAH PHASE II
AMPLE ANALYSIS: PESTICIDES

SAMPLE ID:	11000	11001	11002	11003	11003	11005
SUB-SAMPLE ID:	00000	00000	00000	DUP	DUPDI	00000
STATION ID:	WMU017	WMU018	WMU019	WMU019	WMU019	WMU003
SAMPLE DATE:	02/27/1991	02/27/1991	02/28/1991	02/28/1991	02/28/1991	03/01/1991
SAMPLE TIME:	16:00	13:00	13:50	13:50	13:50	10:45
SAMPLE MATRIX:	SW	SW	SW	SW	SW	SW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
4,4'-DDD UG/L	0.1UY	0.1UY	0.1UY	0.1UY		0.1UY
4,4'-DDE UG/L	0.04UY	0.04UY	0.1UY	0.1UY		0.1UY
4,4'-DDT UG/L	0.1UY	0.1UY	0.1UY	0.1UY		0.1UY
ALDRIN UG/L	0.04UY	0.04UY	0.051UY	0.051UY		0.051UY
ALPHA-CHLORDANE UG/L	0.05UY	0.05UY	0.51UY	0.51UY		0.51UY
AROCLOR-1016 UG/L	0.5UY	0.5UY	0.51UY	0.51UY		0.51UY
AROCLOR-1221 UG/L	1.2UY	1.2UY	0.51UY	0.51UY		0.51UY
AROCLOR-1232 UG/L	1.2UY	1.2UY	0.51UY	0.51UY		0.51UY
AROCLOR-1242 UG/L	0.5UY	0.5UY	0.51UY	0.51UY		0.51UY
AROCLOR-1248 UG/L	0.2UY	0.2UY	0.51UY	0.51UY		1.1DY
AROCLOR-1254 UG/L	0.2UY	0.2UY	1UY	1UY		1UY
AROCLOR-1260 UG/L	0.2UY	0.2UY	1UY	1UY		1UY
BHC-ALPHA UG/L	0.03UY	0.03UY	0.051UY	0.051UY		0.051UY
BHC-BETA UG/L	0.05UY	0.05UY	0.051UY	0.051UY		0.051UY
BHC-DELTA UG/L	0.05UY	0.05UY	0.051UY	0.051UY		0.051UY
BHC-GAMMA(LINDANE) UG/L	0.04UY	0.04UY	0.051UY	0.051UY		0.051UY
DIELDRIN UG/L	0.02UY	0.02UY	0.1UY	0.1UY		0.1UY
ENDOSULFAN I UG/L	0.05UY	0.05UY	0.051UY	0.051UY		0.051UY
ENDOSULFAN II UG/L	0.04UY	0.04UY	0.1UY	0.1UY		0.1UY
ENDOSULFAN SULFATE UG/L	0.1UY	0.1UY	0.1UY	0.1UY		0.1UY
ENDRIN UG/L	0.06UY	0.06UY	0.1UY	0.1UY		0.1UY
ENDRIN KETONE UG/L	0.1UY	0.1UY	0.1UY	0.1UY		0.1UY
GAMMA-CHLORDANE UG/L	0.05UY	0.05UY	0.51UY	0.51UY		0.51UY
HEPTACHLOR UG/L	0.03UY	0.03UY	0.051UY	0.051UY		0.051UY
HEPTACHLOR EPOXIDE UG/L	0.05UY	0.05UY	0.051UY	0.051UY		0.051UY
METHOXYCHLOR UG/L	0.5UY	0.5UY	0.51UY	0.51UY		0.51UY
TOXAPHENE UG/L	1UY	1UY	1UY	1UY		1UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SURFACE WATER
PADUCAH PHASE II
SAMPLE ANALYSIS: PESTICIDES

SAMPLE ID:		11006	11007	11011	11012	11013	11014
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	DUP
STATION ID:		WMU003	WMU003	BBC001	BBC002	BBC003	BBC003
SAMPLE DATE:		03/01/1991	03/01/1991	04/19/1991	04/19/1991	04/19/1991	04/19/1991
SAMPLE TIME:		10:00	15:00	09:30	10:50	13:30	13:30
SAMPLE MATRIX:		SW	SW	SW	SW	SW	SW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
4,4'-DDD	UG/L	0.1UY	0.1UY	0.11UY	0.1UY	0.1UY	0.1UY
4,4'-DDE	UG/L	0.1UY	0.1UY	0.11UY	0.04UY	0.04UY	0.04UY
4,4'-DDT	UG/L	0.1UY	0.1UY	0.11UY	0.1UY	0.1UY	0.1UY
ALDRIN	UG/L	0.051UY	0.051UY	0.054UY	0.04UY	0.04UY	0.04UY
ALPHA-CHLORDANE	UG/L	0.51UY	0.51UY	0.54UY	0.05UY	0.05UY	0.05UY
AROCLOR-1016	UG/L	0.51UY	0.51UY	0.54UY	0.5UY	0.5UY	0.5UY
AROCLOR-1221	UG/L	0.51UY	0.51UY	0.54UY	1.2UY	1.2UY	1.2UY
AROCLOR-1232	UG/L	0.51UY	0.51UY	0.54UY	1.2UY	1.2UY	1.2UY
AROCLOR-1242	UG/L	0.51UY	0.51UY	0.54UY	0.5UY	0.5UY	0.5UY
AROCLOR-1248	UG/L	0.51UY	0.51UY	0.54UY	0.2UY	0.2UY	0.2UY
AROCLOR-1254	UG/L	1UY	1UY	1.1UY	0.2UY	0.2UY	0.2UY
AROCLOR-1260	UG/L	1UY	1UY	1.1UY	0.2UY	0.2UY	0.2UY
BHC-ALPHA	UG/L	0.051UY	0.051UY	0.054UY	0.03UY	0.03UY	0.03UY
BHC-BETA	UG/L	0.051UY	0.051UY	0.054UY	0.05UY	0.05UY	0.05UY
BHC-DELTA	UG/L	0.051UY	0.051UY	0.054UY	0.05UY	0.05UY	0.05UY
BHC-GAMMA(LINDANE)	UG/L	0.051UY	0.051UY	0.054UY	0.04UYJX	0.04UYJX	0.04UY
DIELDRIN	UG/L	0.1UY	0.1UY	0.11UY	0.02UY	0.02UY	0.02UY
ENDOSULFAN I	UG/L	0.051UY	0.051UY	0.054UY	0.05UY	0.05UY	0.05UY
ENDOSULFAN II	UG/L	0.1UY	0.1UY	0.11UY	0.04UY	0.04UY	0.04UY
ENDOSULFAN SULFATE	UG/L	0.1UY	0.1UY	0.11UY	0.1UY	0.1UY	0.1UY
ENDRIN	UG/L	0.1UY	0.1UY	0.11UY	0.06UY	0.06UY	0.06UY
ENDRIN KETONE	UG/L	0.1UY	0.1UY	0.11UY	0.1UY	0.1UY	0.1UY
GAMMA-CHLORDANE	UG/L	0.51UY	0.51UY	0.54UY	0.05UY	0.05UY	0.05UY
HEPTACHLOR	UG/L	0.051UY	0.051UY	0.054UY	0.03UY	0.03UY	0.03UY
HEPTACHLOR EPOXIDE	UG/L	0.051UY	0.051UY	0.054UY	0.05UY	0.05UY	0.05UY
METHOXYCHLOR	UG/L	0.51UY	0.51UY	0.54UY	0.5UY	0.5UY	0.5UY
TOXAPHENE	UG/L	1UY	1UY	1.1UY	1UY	1UY	1UY

Data Format: value + detected flag + validated flag + qualifiers

DMS CHEMICAL OBSERVATIONS MATRIX
URFACE WATER
ADUCAH PHASE II
AMPLE ANALYSIS: PESTICIDES

SAMPLE ID:	11015	11016	11017	11018	11019	11020
SUB-SAMPLE ID:	00000	00000	00000	00000	00000	00000
STATION ID:	BBC004	BBC005	BBC006	BBC007	BBC008	BBC009
SAMPLE DATE:	04/22/1991	04/19/1991	04/22/1991	04/22/1991	04/16/1991	04/22/1991
SAMPLE TIME:	09:15	15:30	10:40	14:15	09:00	11:30
SAMPLE MATRIX:	SW	SW	SW	SW	SW	SW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
4,4'-DDD UG/L	0.1UY	0.1UY	0.1UY	0.11UY	0.1UY	0.1UY
4,4'-DDE UG/L	0.04UY	0.04UY	0.04UY	0.11UY	0.1UY	0.04UY
4,4'-DDT UG/L	0.1UY	0.1UY	0.1UY	0.11UY	0.1UY	0.1UY
ALDRIN UG/L	0.04UY	0.04UY	0.04UY	0.054UY	0.052UY	0.04UY
ALPHA-CHLORDANE UG/L	0.05UY	0.05UY	0.05UY	0.54UY	0.52UY	0.05UY
AROCLOR-1016 UG/L	0.5UY	0.5UY	0.5UY	0.54UY	0.52UY	0.5UY
AROCLOR-1221 UG/L	1.2UY	1.2UY	1.2UY	0.54UY	0.52UY	1.2UY
AROCLOR-1232 UG/L	1.2UY	1.2UY	1.2UY	0.54UY	0.52UY	1.2UY
AROCLOR-1242 UG/L	0.5UY	0.5UY	0.5UY	0.54UY	0.52UY	0.5UY
AROCLOR-1248 UG/L	0.2UY	0.2UY	0.2UY	0.54UY	0.52UY	0.2UY
AROCLOR-1254 UG/L	0.2UY	0.2UY	0.2UY	1.1UY	1UY	0.2UY
AROCLOR-1260 UG/L	0.2UY	0.2UY	0.2UY	1.1UY	1UY	0.2UY
BHC-ALPHA UG/L	0.03UY	0.03UY	0.03UY	0.054UY	0.052UY	0.03UY
BHC-BETA UG/L	0.05UY	0.05UY	0.05UY	0.054UY	0.052UY	0.05UY
BHC-DELTA UG/L	0.05UY	0.05UY	0.05UY	0.054UY	0.052UY	0.05UY
BHC-GAMMA(LINDANE) UG/L	0.04UY	0.04UY	0.04UYJX	0.054UY	0.052UY	0.04UYJX
DIELDRIN UG/L	0.02UY	0.02UY	0.02UY	0.11UY	0.1UY	0.02UY
ENDOSULFAN I UG/L	0.05UY	0.05UY	0.05UY	0.054UY	0.052UY	0.05UY
ENDOSULFAN II UG/L	0.04UY	0.04UY	0.04UY	0.11UY	0.1UY	0.04UY
ENDOSULFAN SULFATE UG/L	0.1UY	0.1UY	0.1UY	0.11UY	0.1UY	0.1UY
ENDRIN UG/L	0.06UY	0.06UY	0.06UY	0.11UY	0.1UY	0.06UY
ENDRIN KETONE UG/L	0.1UY	0.1UY	0.1UY	0.11UY	0.1UY	0.1UY
GAMMA-CHLORDANE UG/L	0.05UY	0.05UY	0.05UY	0.54UY	0.52UY	0.05UY
HEPTACHLOR UG/L	0.03UY	0.03UY	0.03UY	0.054UY	0.052UY	0.03UY
HEPTACHLOR EPOXIDE UG/L	0.05UY	0.05UY	0.05UY	0.054UY	0.052UY	0.05UY
METHOXYCHLOR UG/L	0.5UY	0.5UY	0.5UY	0.54UY	0.52UY	0.5UY
TOXAPHENE UG/L	1UY	1UY	1UY	1.1UY	1UY	1UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SURFACE WATER
PADUCAH PHASE II
SAMPLE ANALYSIS: PESTICIDES

SAMPLE ID:	11021	11022	11023	11024	11025	11026
SUB-SAMPLE ID:	00000	00000	00000	DUP	00000	00000
STATION ID:	LBC009	LBC002	LBC003	LBC004	LBC004	LBC005
SAMPLE DATE:	04/22/1991	04/24/1991	04/23/1991	04/23/1991	04/23/1991	04/24/1991
SAMPLE TIME:	16:15	08:45	15:10	13:50	13:30	13:00
SAMPLE MATRIX:	SW	SW	SW	SW	SW	SW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
4,4'-DDD UG/L	0.1UY	0.1UY	0.1UY	0.12UY	0.11UY	0.1UY
4,4'-DDE UG/L	0.04UY	0.04UY	0.04UY	0.12UY	0.11UY	0.04UY
4,4'-DDT UG/L	0.1UY	0.1UY	0.1UY	0.12UY	0.11UY	0.1UY
ALDRIN UG/L	0.04UY	0.04UY	0.04UY	0.06UY	0.057UY	0.04UY
ALPHA-CHLORDANE UG/L	0.05UY	0.05UY	0.05UY	0.6UY	0.57UY	0.05UY
AROCLOR-1016 UG/L	0.5UY	0.5UY	0.5UY	0.6UY	0.57UY	0.5UY
AROCLOR-1221 UG/L	1.2UY	1.2UY	1.2UY	0.6UY	0.57UY	1.2UY
AROCLOR-1232 UG/L	1.2UY	1.2UY	1.2UY	0.6UY	0.57UY	1.2UY
AROCLOR-1242 UG/L	0.5UY	0.5UY	0.5UY	0.6UY	0.57UY	0.5UY
AROCLOR-1248 UG/L	0.2UY	0.2UY	0.2UY	0.6UY	0.57UY	0.2UY
AROCLOR-1254 UG/L	0.2UY	0.2UY	0.2UY	1.2UY	1.1UY	0.2UY
AROCLOR-1260 UG/L	0.2UY	0.2UY	0.2UY	1.2UY	1.1UY	0.2UY
BHC-ALPHA UG/L	0.03UY	0.03UY	0.03UY	0.06UY	0.057UY	0.03UY
BHC-BETA UG/L	0.05UY	0.05UY	0.05UY	0.06UY	0.057UY	0.05UY
BHC-DELTA UG/L	0.05UY	0.05UY	0.05UY	0.06UY	0.057UY	0.05UY
BHC-GAMMA(LINDANE) UG/L	0.04UY	0.04UYJX	0.04UY	0.06UY	0.057UY	0.04UY
DIELDRIN UG/L	0.02UY	0.02UY	0.02UY	0.12UY	0.11UY	0.02UY
ENDOSULFAN I UG/L	0.05UY	0.05UY	0.05UY	0.06UY	0.057UY	0.05UY
ENDOSULFAN II UG/L	0.04UY	0.04UY	0.04UY	0.12UY	0.11UY	0.04UY
ENDOSULFAN SULFATE UG/L	0.1UY	0.1UY	0.1UY	0.12UY	0.11UY	0.1UY
ENDRIN UG/L	0.06UY	0.06UY	0.06UY	0.12UY	0.11UY	0.06UY
ENDRIN KETONE UG/L	0.1UY	0.1UY	0.1UY	0.12UY	0.11UY	0.1UY
GAMMA-CHLORDANE UG/L	0.05UY	0.05UY	0.05UY	0.6UY	0.57UY	0.05UY
HEPTACHLOR UG/L	0.03UY	0.03UY	0.03UY	0.06UY	0.057UY	0.03UY
HEPTACHLOR EPOXIDE UG/L	0.05UY	0.05UY	0.05UY	0.06UY	0.057UY	0.05UY
METHOXYCHLOR UG/L	0.5UY	0.5UY	0.5UY	0.6UY	0.57UY	0.5UY
TOXAPHENE UG/L	1UY	1UY	1UY	1.2UY	1.1UY	1UY

Data Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:		11027	11028	11029	11031	11032	11033
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		LBC006	LBC007	LBC008	LBC001	LBC010	NS001
SAMPLE DATE:		04/24/1991	04/24/1991	04/25/1991	04/23/1991	04/25/1991	04/18/1991
SAMPLE TIME:		14:30	10:00	08:30	10:20	10:00	08:45
SAMPLE MATRIX:		SW	SW	SW	SW	SW	SW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
4,4'-DDD	UG/L	0.1UY	0.1UY	0.1UY	0.1UY	0.1UY	0.12UY
4,4'-DDE	UG/L	0.04UY	0.04UY	0.04UY	0.04UY	0.04UY	0.12UY
4,4'-DDT	UG/L	0.1UY	0.1UY	0.1UY	0.1UY	0.1UY	0.12UY
ALDRIN	UG/L	0.04UY	0.04UY	0.04UY	0.04UY	0.04UY	0.06UY
ALPHA-CHLORDANE	UG/L	0.05UY	0.05UY	0.031DYJX	0.05UY	0.035DYJX	0.6UY
AROCLOR-1016	UG/L	0.5UY	0.5UY	0.5UY	0.5UY	0.5UY	0.6UY
AROCLOR-1221	UG/L	1.2UY	1.2UY	1.2UY	1.2UY	1.2UY	0.6UY
AROCLOR-1232	UG/L	1.2UY	1.2UY	1.2UY	1.2UY	1.2UY	0.6UY
AROCLOR-1242	UG/L	0.5UY	0.5UY	0.5UY	0.5UY	0.5UY	0.6UY
AROCLOR-1248	UG/L	0.2UY	0.2UY	0.2UY	0.2UY	0.2UY	0.6UY
AROCLOR-1254	UG/L	0.2UY	0.2UY	0.2UY	0.2UY	0.2UY	1.2UY
AROCLOR-1260	UG/L	0.2UY	0.2UY	0.2UY	0.2UY	0.2UY	1.2UY
BHC-ALPHA	UG/L	0.03UY	0.03UY	0.03UY	0.03UY	0.03UY	0.06UY
BHC-BETA	UG/L	0.05UY	0.05UY	0.05UY	0.05UY	0.05UY	0.06UY
BHC-DELTA	UG/L	0.05UY	0.05UY	0.05UY	0.05UY	0.05UY	0.06UY
BHC-GAMMA(LINDANE)	UG/L	0.04UY	0.04UY	0.04UY	0.04UY	0.04UY	0.06UY
DIELDRIN	UG/L	0.02UY	0.02UY	0.02UY	0.02UY	0.02UY	0.12UY
ENDOSULFAN I	UG/L	0.05UY	0.05UY	0.05UY	0.05UY	0.05UY	0.06UY
ENDOSULFAN II	UG/L	0.04UY	0.04UY	0.04UY	0.04UY	0.04UY	0.12UY
ENDOSULFAN SULFATE	UG/L	0.1UY	0.1UY	0.1UY	0.1UY	0.1UY	0.12UY
ENDRIN	UG/L	0.06UY	0.06UY	0.06UY	0.06UY	0.06UY	0.12UY
ENDRIN KETONE	UG/L	0.1UY	0.1UY	0.1UY	0.1UY	0.1UY	0.12UY
GAMMA-CHLORDANE	UG/L	0.05UY	0.05UY	0.05UY	0.05UY	0.05UY	0.6UY
HEPTACHLOR	UG/L	0.03UY	0.03UY	0.03UY	0.03UY	0.03UY	0.06UY
HEPTACHLOR EPOXIDE	UG/L	0.05UY	0.05UY	0.05UY	0.05UY	0.05UY	0.06UY
METHOXYCHLOR	UG/L	0.5UY	0.5UY	0.5UY	0.5UY	0.5UY	0.6UY
TOXAPHENE	UG/L	1UY	1UY	1UY	1UY	1UY	1.2UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SURFACE WATER
PADUCAH PHASE II
SAMPLE ANALYSIS: PESTICIDES

SAMPLE ID:		11034	11035	11036	11037	11039	11040
SUB-SAMPLE ID:		DUP	00000	00000	00000	00000	00000
STATION ID:		NS002	NS002	NS003	NS004	OF001	OF002
SAMPLE DATE:		04/17/1991	04/17/1991	04/17/1991	04/16/1991	03/26/1991	03/26/1991
SAMPLE TIME:		10:80	10:30	08:45	15:30	08:00	08:30
SAMPLE MATRIX:		SW	SW	SW	SW	SW	SW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
4,4'-DDD	UG/L	0.11UY	0.11UY	0.11UY	0.1UY	0.1UY	0.1UY
4,4'-DDE	UG/L	0.11UY	0.11UY	0.11UY	0.1UY	0.04UY	0.04UY
4,4'-DDT	UG/L	0.11UY	0.11UY	0.11UY	0.1UY	0.1UY	0.1UY
ALDRIN	UG/L	0.054UY	0.057UY	0.057UY	0.052UY	0.04UY	0.04UY
ALPHA-CHLORDANE	UG/L	0.54UY	0.57UY	0.57UY	0.52UY	0.05UY	0.05UY
AROCLOR-1016	UG/L	0.54UY	0.57UY	0.57UY	0.52UY	0.5UY	0.5UY
AROCLOR-1221	UG/L	0.54UY	0.57UY	0.57UY	0.52UY	1.2UY	1.2UY
AROCLOR-1232	UG/L	0.54UY	0.57UY	0.57UY	0.52UY	1.2UY	1.2UY
AROCLOR-1242	UG/L	0.54UY	0.57UY	0.57UY	0.52UY	0.5UY	0.5UY
AROCLOR-1248	UG/L	0.54UY	0.57UY	0.57UY	0.52UY	0.2UY	0.2UY
AROCLOR-1254	UG/L	1.1UY	1.1UY	1.1UY	1UY	0.2UY	0.2UY
AROCLOR-1260	UG/L	1.1UY	1.1UY	1.1UY	1UY	0.2UY	0.2UY
BHC-ALPHA	UG/L	0.054UY	0.057UY	0.057UY	0.052UY	0.03UY	0.03UY
BHC-BETA	UG/L	0.054UY	0.057UY	0.057UY	0.052UY	0.05UY	0.05UY
BHC-DELTA	UG/L	0.055UY	0.057UY	0.057UY	0.052UY	0.05UY	0.05UY
BHC-GAMMA(LINDANE)	UG/L	0.054UY	0.057UY	0.057UY	0.052UY	0.04UY	0.04UY
DIELDRIN	UG/L	0.11UY	0.11UY	0.11UY	0.1UY	0.02UY	0.02UY
ENDOSULFAN I	UG/L	0.054UY	0.057UY	0.057UY	0.052UY	0.05UY	0.05UY
ENDOSULFAN II	UG/L	0.11UY	0.11UY	0.11UY	0.1UY	0.04UY	0.04UY
ENDOSULFAN SULFATE	UG/L	0.11UY	0.11UY	0.11UY	0.1UY	0.1UY	0.1UY
ENDRIN	UG/L	0.11UY	0.11UY	0.11UY	0.1UY	0.06UY	0.06UY
ENDRIN KETONE	UG/L	0.11UY	0.11UY	0.11UY	0.1UY	0.1UY	0.1UY
GAMMA-CHLORDANE	UG/L	0.54UY	0.57UY	0.57UY	0.52UY	0.05UY	0.05UY
HEPTACHLOR	UG/L	0.054UY	0.057UY	0.057UY	0.052UY	0.03UY	0.03UY
HEPTACHLOR EPOXIDE	UG/L	0.054UY	0.057UY	0.057UY	0.052UY	0.05UY	0.05UY
METHOXYCHLOR	UG/L	0.54UY	0.57UY	0.57UY	0.52UY	0.5UY	0.5UY
TOXAPHENE	UG/L	1.1UY	1.1UY	1.1UY	1UY	1UY	1UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SURFACE WATER
PADUCAH PHASE II
SAMPLE ANALYSIS: PESTICIDES

SAMPLE ID:	11041	11042	11044	11045	11046	11047
SUB-SAMPLE ID:	00000	00000	DUP	00000	00000	00000
STATION ID:	OF003	OF004	OF006	OF006	OF008	OF009
SAMPLE DATE:	03/27/1991	03/27/1991	03/26/1991	03/26/1991	03/26/1991	03/26/1991
SAMPLE TIME:	14:10	07:45	09:45	09:45	10:45	12:45
SAMPLE MATRIX:	SW	SW	SW	SW	SW	SW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
4,4'-DDD UG/L	0.1UY	0.1UY	0.1UY	0.1UY	0.087UY	0.1UY
4,4'-DDE UG/L	0.04UY	0.04UY	0.04UY	0.04UY	0.087UY	0.04UY
4,4'-DDT UG/L	0.1UY	0.1UY	0.1UY	0.1UY	0.035DYJ	0.1UY
ALDRIN UG/L	0.04UY	0.04UY	0.04UY	0.04UY	0.017DYJ	0.04UY
ALPHA-CHLORDANE UG/L	0.05UY	0.05UY	0.05UY	0.05UY	0.44UY	0.05UY
AROCLOR-1016 UG/L	0.5UY	0.5UY	0.5UY	0.5UY	0.44UY	0.5UY
AROCLOR-1221 UG/L	1.2UY	1.2UY	1.2UY	1.2UY	0.44UY	1.2UY
AROCLOR-1232 UG/L	1.2UY	1.2UY	1.2UY	1.2UY	0.44UY	1.2UY
AROCLOR-1242 UG/L	0.5UY	0.5UY	0.5UY	0.5UY	0.44UY	0.5UY
AROCLOR-1248 UG/L	0.2UY	0.2UY	0.2UY	0.2UY	0.44UY	0.2UY
AROCLOR-1254 UG/L	0.2UY	0.2UY	0.2UY	0.2UY	0.87UY	0.2UY
AROCLOR-1260 UG/L	0.2UY	0.2UY	0.2UY	0.2UY	0.87UY	0.2UY
BHC-ALPHA UG/L	0.03UY	0.03UY	0.03UY	0.03UY	0.044UY	0.03UY
BHC-BETA UG/L	0.05UY	0.05UY	0.05UY	0.05UY	0.044UY	0.05UY
BHC-DELTA UG/L	0.05UY	0.05UY	0.05UY	0.05UY	0.044UY	0.05UY
BHC-GAMMA(LINDANE) UG/L	0.04UY	0.04UY	0.04UY	0.04UY	0.044UY	0.04UY
DIELDRIN UG/L	0.02UY	0.02UY	0.02UY	0.02UY	0.087UY	0.02UY
ENDOSULFAN I UG/L	0.05UY	0.05UY	0.05UY	0.05UY	0.044UY	0.05UY
ENDOSULFAN II UG/L	0.04UY	0.04UY	0.04UY	0.04UY	0.017DYJ	0.04UY
ENDOSULFAN SULFATE UG/L	0.1UY	0.1UY	0.1UY	0.1UY	0.087UY	0.1UY
ENDRIN UG/L	0.06UY	0.06UY	0.06UY	0.06UY	0.087UY	0.06UY
ENDRIN KETONE UG/L	0.1UY	0.1UY	0.1UY	0.1UY	0.087UY	0.1UY
GAMMA-CHLORDANE UG/L	0.05UY	0.05UY	0.05UY	0.05UY	0.44UY	0.05UY
HEPTACHLOR UG/L	0.03UY	0.03UY	0.03UY	0.03UY	0.044UY	0.03UY
HEPTACHLOR EPOXIDE UG/L	0.05UY	0.05UY	0.05UY	0.05UY	0.044UY	0.05UY
METHOXYCHLOR UG/L	0.5UY	0.5UY	0.5UY	0.5UY	0.44UY	0.5UY
TOXAPHENE UG/L	1UY	1UY	1UY	1UY	0.87UY	1UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SURFACE WATER
PADUCAH PHASE II
SAMPLE ANALYSIS: PESTICIDES

SAMPLE ID:		11048	11049	11049	11050	11052	11053
SUB-SAMPLE ID:		00000	00000	A	00000	00000	00000
STATION ID:		OF010	OF011	OF011	OF012	OF013	OF015
SAMPLE DATE:		03/26/1991	03/26/1991	03/26/1991	03/26/1991	03/26/1991	03/27/1991
SAMPLE TIME:		13:30	14:00	14:00	14:45	15:20	12:35
SAMPLE MATRIX:		SW	SW	SW	SW	SW	SW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
4,4'-DDD	UG/L	0.1UY	0.095UY		0.1UY	0.1UY	0.097UY
4,4'-DDE	UG/L	0.04UY	0.095UY		0.04UY	0.04UY	0.097UY
4,4'-DDT	UG/L	0.1UY	0.095UY		0.1UY	0.1UY	0.097UY
ALDRIN	UG/L	0.04UY	0.048UY		0.04UY	0.04UY	0.01DYJ
ALPHA-CHLORDANE	UG/L	0.05UY	0.48UY		0.05UY	0.05UY	0.49UY
AROCLOR-1016	UG/L	0.5UY	0.48UY		0.5UY	0.5UY	0.49UY
AROCLOR-1221	UG/L	1.2UY	0.48UY		1.2UY	1.2UY	0.49UY
AROCLOR-1232	UG/L	1.2UY	0.48UY		1.2UY	1.2UY	0.49UY
AROCLOR-1242	UG/L	0.5UY	0.48UY		0.5UY	0.5UY	0.49UY
AROCLOR-1248	UG/L	0.2UY	0.48UY		0.2UY	0.2UY	0.49UY
AROCLOR-1254	UG/L	0.2UY	0.95UY		0.2UY	0.2UY	0.97UY
AROCLOR-1260	UG/L	0.2UY	0.95UY		0.2UY	0.2UY	0.97UY
BHC-ALPHA	UG/L	0.03UY	0.048UY		0.03UY	0.03UY	0.049UY
BHC-BETA	UG/L	0.05UY	0.048UY		0.05UY	0.05UY	0.049UY
BHC-DELTA	UG/L	0.05UY	0.048UY		0.05UY	0.05UY	0.049UY
BHC-GAMMA(LINDANE)	UG/L	0.04UY	0.048UY		0.04UY	0.04UY	0.049UY
DIELDRIN	UG/L	0.02UY	0.095UY		0.02UY	0.02UY	0.097UY
ENDOSULFAN I	UG/L	0.05UY	0.048UY		0.05UY	0.05UY	0.049UY
ENDOSULFAN II	UG/L	0.04UY	0.095UY		0.04UY	0.04UY	0.097UY
ENDOSULFAN SULFATE	UG/L	0.1UY	0.095UY		0.1UY	0.1UY	0.097UY
ENDRIN	UG/L	0.06UY	0.095UY		0.06UY	0.06UY	0.097UY
ENDRIN KETONE	UG/L	0.1UY	0.095UY		0.1UY	0.1UY	0.097UY
GAMMA-CHLORDANE	UG/L	0.05UY	0.48UY		0.05UY	0.05UY	0.49UY
HEPTACHLOR	UG/L	0.03UY	0.048UY		0.03UY	0.03UY	0.049UY
HEPTACHLOR EPOXIDE	UG/L	0.05UY	0.048UY		0.05UY	0.05UY	0.049UY
METHOXYCHLOR	UG/L	0.5UY	0.48UY		0.5UY	0.5UY	0.49UY
TOXAPHENE	UG/L	1UY	0.95UY		1UY	1UY	0.97UY

Data Format: value + detected flag + validated flag + qualifiers

DMS CHEMICAL OBSERVATIONS MATRIX
URFACE WATER
ADUCAH PHASE II
AMPLE ANALYSIS: PESTICIDES

SAMPLE ID:	11054	11055	11056	11057	11058	11060
SUB-SAMPLE ID:	DUP	00000	00000	00000	00000	00000
STATION ID:	OF016	OF016	OF017	OF018	OF014	TP002
SAMPLE DATE:	03/27/1991	03/27/1991	03/27/1991	03/27/1991	03/27/1991	05/22/1991
SAMPLE TIME:	13:35	13:35	08:30	09:15	09:45	10:45
SAMPLE MATRIX:	SW	SW	SW	SW	SW	SW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
4,4'-DDD UG/L	0.1UY	0.1UY	0.1UY	0.1UY	0.1UY	0.1UY
4,4'-DDE UG/L	0.04UY	0.04UY	0.04UY	0.04UY	0.04UY	0.1UY
4,4'-DDT UG/L	0.1UY	0.1UY	0.1UY	0.1UY	0.1UY	0.1UY
ALDRIN UG/L	0.04UY	0.04UY	0.04UY	0.04UY	0.04UY	0.05UY
ALPHA-CHLORDANE UG/L	0.05UY	0.05UY	0.05UY	0.05UY	0.05UY	0.5UY
AROCLOR-1016 UG/L	0.5UY	0.5UY	0.5UY	0.5UY	0.5UY	0.5UY
AROCLOR-1221 UG/L	1.2UY	1.2UY	1.2UY	1.2UY	1.2UY	0.5UY
AROCLOR-1232 UG/L	1.2UY	1.2UY	1.2UY	1.2UY	1.2UY	0.5UY
AROCLOR-1242 UG/L	0.5UY	0.5UY	0.5UY	0.5UY	0.5UY	0.5UY
AROCLOR-1248 UG/L	0.2UY	0.2UY	0.2UY	0.2UY	0.2UY	0.5UY
AROCLOR-1254 UG/L	0.2UY	0.2UY	0.2UY	0.2UY	0.2UY	1UY
AROCLOR-1260 UG/L	0.2UY	0.2UY	0.2UY	0.2UY	0.2UY	1UY
BHC-ALPHA UG/L	0.03UY	0.03UY	0.03UY	0.03UY	0.03UY	0.05UY
BHC-BETA UG/L	0.05UY	0.05UY	0.05UY	0.05UY	0.05UY	0.05UY
BHC-DELTA UG/L	0.05UY	0.05UY	0.05UY	0.05UY	0.05UY	0.05UY
BHC-GAMMA(LINDANE) UG/L	0.04UY	0.04UY	0.04UY	0.04UY	0.04UY	0.05UY
DIELDRIN UG/L	0.02UY	0.02UY	0.02UY	0.02UY	0.02UY	0.1UY
ENDOSULFAN I UG/L	0.05UY	0.05UY	0.05UY	0.05UY	0.05UY	0.05UY
ENDOSULFAN II UG/L	0.04UY	0.04UY	0.04UY	0.04UY	0.04UY	0.1UY
ENDOSULFAN SULFATE UG/L	0.1UY	0.1UY	0.1UY	0.1UY	0.1UY	0.1UY
ENDRIN UG/L	0.06UY	0.06UY	0.06UY	0.06UY	0.06UY	0.1UY
ENDRIN KETONE UG/L	0.1UY	0.1UY	0.1UY	0.1UY	0.1UY	0.1UY
GAMMA-CHLORDANE UG/L	0.05UY	0.05UY	0.05UY	0.05UY	0.05UY	0.5UY
HEPTACHLOR UG/L	0.03UY	0.03UY	0.03UY	0.03UY	0.03UY	0.05UY
HEPTACHLOR EPOXIDE UG/L	0.05UY	0.05UY	0.05UY	0.05UY	0.05UY	0.05UY
METHOXYCHLOR UG/L	0.5UY	0.5UY	0.5UY	0.5UY	0.5UY	0.5UY
TOXAPHENE UG/L	1UY	1UY	1UY	1UY	1UY	1UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SURFACE WATER
PADUCAH PHASE II
SAMPLE ANALYSIS: PESTICIDES

SAMPLE ID:	11061	11062	11063
SUB-SAMPLE ID:	00000	00000	00000
STATION ID:	WMU003	TP003	TP005
SAMPLE DATE:	04/25/1991	05/22/1991	05/23/1991
SAMPLE TIME:	14:10	15:20	14:45
SAMPLE MATRIX:	SW	SW	SW
UPPER DEPTH:	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00
4,4'-DDD UG/L		0.5UY	0.1UY
4,4'-DDE UG/L		0.5UY	0.1UY
4,4'-DDT UG/L		0.5UY	0.1UY
ALDRIN UG/L		0.25UY	0.05UY
ALPHA-CHLORDANE UG/L		2.5UY	0.5UY
AROCLOR-1016 UG/L		2.5UY	0.5UY
AROCLOR-1221 UG/L		2.5UY	0.5UY
AROCLOR-1232 UG/L		2.5UY	0.5UY
AROCLOR-1242 UG/L		2.5UY	0.5UY
AROCLOR-1248 UG/L		14DY	3.1DY
AROCLOR-1254 UG/L		23DY	4.8DY
AROCLOR-1260 UG/L		5UY	1UY
BHC-ALPHA UG/L		0.25UY	0.05UY
BHC-BETA UG/L		0.25UY	0.05UY
BHC-DELTA UG/L		0.25UY	0.05UY
BHC-GAMMA(LINDANE) UG/L		0.25UY	0.05UY
DIELDRIN UG/L		0.5UY	0.1UY
ENDOSULFAN I UG/L		0.25UY	0.05UY
ENDOSULFAN II UG/L		0.5UY	0.1UY
ENDOSULFAN SULFATE UG/L		0.5UY	0.1UY
ENDRIN UG/L		0.5UY	0.1UY
ENDRIN KETONE UG/L		0.5UY	0.1UY
GAMMA-CHLORDANE UG/L		2.5UY	0.5UY
HEPTACHLOR UG/L		0.25UY	0.05UY
HEPTACHLOR EPOXIDE UG/L		0.25UY	0.05UY
METHOXYCHLOR UG/L		2.5UY	0.5UY
TOXAPHENE UG/L		5UY	1UY

Data Format: value + detected flag + validated flag + qualifiers

APPENDIX 4A-5
Surface Water: Inorganics

EDMS CHEMICAL OBSERVATIONS MATRIX
SURFACE WATER
PADUCAH PHASE II
SAMPLE ANALYSIS: INORGANICS

SAMPLE ID:	11000	11001	11002	11003	11003	11005
SUB-SAMPLE ID:	00000	00000	00000	DUP	DUPDI	00000
STATION ID:	WMU017	WMU018	WMU019	WMU019	WMU019	WMU003
SAMPLE DATE:	02/27/1991	02/27/1991	02/28/1991	02/28/1991	02/28/1991	03/01/1991
SAMPLE TIME:	16:00	13:00	13:50	13:50	13:50	10:45
SAMPLE MATRIX:	SW	SW	SW	SW	SW	SW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
ALUMINUM UG/L	36.2DYJ	166DYJ	396DY	304DY	351DY	1270DY
ANTIMONY UG/L	9.2UY	11.9DYB	19UY	19UY	19UY	19UY
ARSENIC UG/L	6.5UY	6.5UY	2UY	2UY	2UY	2UY
BARIUM UG/L	13.7DYJ	45.4DYJ	46.9DYB	43.3DYB	42.6DYB	91DYB
BERYLLIUM UG/L	0.2UY	0.2UY	1UY	1UY	1UY	5DY
CADMIUM UG/L	0.6UY	0.6UY	4UY	4UY	4UY	6.4DY
CALCIUM UG/L	134000DY	137000DY	39200DYJ	37200DYJ	36200DYJ	9860DYJ
CHROMIUM UG/L	28.9DY	10.4DY	3UY	3UY	3UY	3UY
COBALT UG/L	2.7DYB	2UY	4UY	4UY	4UY	74.9DY
COPPER UG/L	3.4DYB	3.9DYB	13.5DYB	10.9DYB	13.5DYB	9DYB
CYANIDE UG/L	3UY	3UY	10UY	10UY		10UYR
IRON UG/L	175DYJ	136DYJ	271DYJ	234DYJ	273DYJ	481DYJ
LEAD UG/L	0.6UY	3.6DY	2UY	2UY	2UY	6.5DY
MAGNESIUM UG/L	30100DY	30300DY	1120DYJ	1040DYJ	1040DYJ	35600DYJ
MANGANESE UG/L	7.1DYB	28DY	5.4DYB	3.3DYB	4.6DYB	29.5DY
MERCURY UG/L	0.1UYN	0.1UYN	0.2UY	0.2UY	0.2UY	0.41DYJ
NICKEL UG/L	5.3UYUJ	6.7UYUJ	20.3DYJ	18.6DYJ	25.1DYJ	594DYJ
POTASSIUM UG/L	14300DY	14200DY	1210DYB	1010UY	1010UY	6400DY
SELENIUM UG/L	1DYJ	0.6UYW	1.1DYB	1UY	1UY	1.3DYB
SILVER UG/L	1.6UY	1.6UY	4UY	4UY	4UY	50.8DYE
SODIUM UG/L	141000DY	149000DY	1400DYJ	1500DYJ	1300DYJ	19100DYJ
THALLIUM UG/L	0.7UYW	1UYUJ	5UY	5UY	5UY	5UY
VANADIUM UG/L	2DYB	3.4DYB	8UY	8UY	8UY	8UY
ZINC UG/L	23.2DY	7.1DYB	81DY	47.8DY	86.2DY	53.5DY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SURFACE WATER
PADUCAH PHASE II
SAMPLE ANALYSIS: INORGANICS

SAMPLE ID:	11006	11007	11011	11012	11013	11014
SUB-SAMPLE ID:	00000	00000	00000	00000	00000	DUP
STATION ID:	WMU003	WMU003	BBC001	BBC002	BBC003	BBC003
SAMPLE DATE:	03/01/1991	03/01/1991	04/19/1991	04/19/1991	04/19/1991	04/19/1991
SAMPLE TIME:	10:00	15:00	09:30	10:50	13:30	13:30
SAMPLE MATRIX:	SW	SW	SW	SW	SW	SW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
ALUMINUM UG/L	1090DY	1560DY	260DY	244DYJ	531DYJ	679DYJ
ANTIMONY UG/L	19UY	19UY	40.7UYJB	8.7UY	8.7UY	8.7UY
ARSENIC UG/L	2UY	2UY	2UY	9.1UY	9.1UY	9.1UY
BARIUM UG/L	70.8DYB	56.2DYB	58.3DYB	55.2DYB	56.9DYB	57.7DYB
BERYLLIUM UG/L	1UY	1UY	1UY	0.2UY	0.2UY	0.2UY
CADMIUM UG/L	4UY	4UY	4UY	1.1UY	1.1UY	1.1UY
CALCIUM UG/L	128000DYJ	32600DYJ	14600DY	14000DY	14000DY	13900DY
CHROMIUM UG/L	3UY	3UY	3UY	1.6UY	2DYB	2.8DYB
COBALT UG/L	4UY	4UY	4UY	2.4UY	2.4UY	2.4UY
COPPER UG/L	7UY	7UY	7UY	1.4UY	2.1UYUJ	2.1UYUJ
CYANIDE UG/L	10UY	12.5UY	10UY	3UY	3UY	3UY
IRON UG/L	1310DYJ	1800DYJ	917DY	450DYJ	1060DYJ	1200DYJ
LEAD UG/L	2UY	2UY	19.8DYJSN	0.9UYUJ	1.9UYUJ	1.8UYUJ
MAGNESIUM UG/L	34700DYJ	7070DYJ	3260DYB	3310DYB	3370DYB	3340DYB
MANGANESE UG/L	21.2DY	48.5DY	309DY	80.9DY	93.4DY	103DY
MERCURY UG/L	0.2UY	0.2UY	0.2UYJ	0.1UY	0.1UY	0.1UY
NICKEL UG/L	7UYR	7UYR	7UY	6.7UYUJ	4.8UYUJ	4.2UY
POTASSIUM UG/L	2320DYB	3750DYB	3630DYB	2960DYB	2750DYB	2490DYB
SELENIUM UG/L	1UY	1UY	1UYW	0.5UYW	0.5UYW	0.5UY
SILVER UG/L	4UY	4UY	4UY	1.8UY	1.9DYB	1.8UY
SODIUM UG/L	18300DYJ	3060DYJ	5310DY	4970DYJ	6710DYJ	6640DYJ
THALLIUM UG/L	5UY	5UY	5UY	0.7UY	0.7UY	0.7UY
VANADIUM UG/L	11.5DYJ	8UY	8.3UYJB	1.6UYUJ	3.3UYUJ	3.6UYUJ
ZINC UG/L	45.9DY	143DY	57.1DY*	7.6UYUJ	10.6UYUJ	6.9UYUJ

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SURFACE WATER
PADUCAH PHASE II
SAMPLE ANALYSIS: INORGANICS

SAMPLE ID:	11015	11016	11017	11018	11019	11020
SUB-SAMPLE ID:	00000	00000	00000	00000	00000	00000
STATION ID:	BBC004	BBC005	BBC006	BBC007	BBC008	BBC009
SAMPLE DATE:	04/22/1991	04/19/1991	04/22/1991	04/22/1991	04/16/1991	04/22/1991
SAMPLE TIME:	09:15	15:30	10:40	14:15	09:00	11:30
SAMPLE MATRIX:	SW	SW	SW	SW	SW	SW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
ALUMINUM UG/L	113DYJ	181DYJ	90.9UYUJ	77UY	894DYJ	302DYJ
ANTIMONY UG/L	8.7UY	8.7UY	8.7UY	19UY	19UY	8.7UY
ARSENIC UG/L	9.1UY	9.1UY	9.8DYB	2UYW	2UY	9.1UY
BARIUM UG/L	59.3DYB	44.4DYB	27.5DYB	29.5DYB	49.6DYJB	44.2DYB
BERYLLIUM UG/L	0.21UYUJ	0.2UY	0.2UY	1UY	1UY	0.21UYUJ
CADMIUM UG/L	1.1UY	1.1UY	1.1UY	4UY	4UY	1.1UY
CALCIUM UG/L	16900DY	17300DY	17800DY	28000DY	16800DYJ	11400DY
CHROMIUM UG/L	1.6UY	1.6UY	1.6DYB	3UY	3UY	1.6UY
COBALT UG/L	2.4UYUJ	2.4UY	3.4UYUJ	4UY	4UY	2.4UY
COPPER UG/L	1.4UY	2.6UYUJ	2.2UYUJ	7UY	7.1UYJB	3.1UYUJ
CYANIDE UG/L	3UY	3UY	3UY	10UY	10UY	3UY
IRON UG/L	317DYJ	744DYJ	332DYJ	242DY	1760DYJ	606DYJ
LEAD UG/L	0.7UYUJ	0.8UYUJ	0.6UYUJ	2UYWNR	10.6DYJ	1.2UYUJ
MAGNESIUM UG/L	3630DYB	3680DYB	4330DYB	6230DY	3600DYJB	2940DYB
MANGANESE UG/L	193DY	183DY	109DY	69.3DY	247DYJ	102DY
MERCURY UG/L	0.1UY	0.1UY	0.1UY	0.2UY	0.2UY	0.1UY
NICKEL UG/L	4.2UY	5.2UYUJ	4.2UY	7UY	7UY	4.2UY
POTASSIUM UG/L	2180UYUJ	2180UYUJ	1740UYUJ	2750DYB	1840DYJB	3070DYB
SELENIUM UG/L	0.5UYW	0.5UYW	0.5UY	1UY	1UYJB	0.5UYW
SILVER UG/L	1.8UY	1.8UY	1.8UY	4UY	4UY	1.8UY
SODIUM UG/L	11400DYJ	9540DYJ	13000DYJ	20700DY	7250DYJ	6380DYJ
THALLIUM UG/L	0.7UY	0.7UY	0.7UY	5UYW	5UY	0.7UY
VANADIUM UG/L	1.9UYUJ	2UYUJ	1.8UYUJ	10.5UYJB	8UY	2.4UYUJ
ZINC UG/L	4.8UYUJ	4.5UYUJ	5.3UYUJ	17.6UYJB*	21.4DY	6.7UYUJ

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SURFACE WATER
PADUCAH PHASE II
SAMPLE ANALYSIS: INORGANICS

SAMPLE ID:	11021	11022	11023	11024	11025	11026
SUB-SAMPLE ID:	00000	00000	00000	DUP	00000	00000
STATION ID:	LBC009	LBC002	LBC003	LBC004	LBC004	LBC005
SAMPLE DATE:	04/22/1991	04/24/1991	04/23/1991	04/23/1991	04/23/1991	04/24/1991
SAMPLE TIME:	16:15	08:45	15:10	13:50	13:30	13:00
SAMPLE MATRIX:	SW	SW	SW	SW	SW	SW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
ALUMINUM UG/L	395DYJ	3940DYJN	447DYJ	253DY	245DY	245UYJN
ANTIMONY UG/L	8.7UY	8.7UY	8.7UY	20.1UYJB	25.6UYJB	8.7UY
ARSENIC UG/L	9.1UY	9.1UY	9.1UY	2UYW	2UY	9.1UY
BARIUM UG/L	62.9DYB	123DYB	82.1DYB	61.4DYB	61.6DYB	65.5DYB
BERYLLIUM UG/L	0.2UY	0.73UYJB	0.21UYUJ	1UY	1UY	0.32UYJB
CADMIUM UG/L	1.1UY	1.1UY	1.1UY	4UY	4UY	1.1UY
CALCIUM UG/L	19600DY	9390DY	24400DY	21200DY	21700DY	21300DY
CHROMIUM UG/L	3.2DYB	4DYB	2DYB	4.4DYB	3UY	1.6UY
COBALT UG/L	3.4UYUJ	6.7DYB	2.4UY	4UY	4UY	2.4UY
COPPER UG/L	1.7UYUJ	4.6DYJB	3.6UYUJ	7UY	7UY	1.4UY
CYANIDE UG/L	3UY	3UY	3UY	10UY	10UY	3UY
IRON UG/L	1350DYJ	12200DY	1390DYJ	824DY	756DY	572DY
LEAD UG/L	1.1UYUJ	10DY	1.8UYUJ	2UYWNR	2UYNR	1.7DYB
MAGNESIUM UG/L	4630DYB	3000DYB	6390DY	6010DY	6120DY	5590DY
MANGANESE UG/L	213DY	4180DY	342DY	148DY	152DY	100DY
MERCURY UG/L	0.1UY	0.1UY	0.1UY	0.2UY	0.2UY	0.1UY
NICKEL UG/L	5.6UYUJ	5.1DYB	8.8UYUJ	7UY	7UY	4.2UY
POTASSIUM UG/L	1300UYUJ	3740DYB	1470UYUJ	1420DYB	1350DYB	1240DYB
SELENIUM UG/L	0.55DYB	0.67DYB	1.2DYB	1.4DYB	1.6DYB	0.9DYB
SILVER UG/L	1.8UY	1.8UY	1.8UY	4UY	4UY	1.8UY
SODIUM UG/L	22100DYJ	3610DYJBE	37800DYJ	32800DY	33100DY	32800DYJE
THALLIUM UG/L	0.7UY	0.7UY	0.7UY	5UY	5UY	0.7UY
VANADIUM UG/L	2UYUJ	11.5DYB	3.4UYUJ	9.3DYB	8.8DYB	1.5DYB
ZINC UG/L	7.8UYUJ	20.6DY	12.3UYUJ	55.1DY*	31.2UYJ*	8.5UYJB

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SURFACE WATER
PADUCAH PHASE II
SAMPLE ANALYSIS: INORGANICS

SAMPLE ID:	11027	11028	11029	11031	11032	11033
SUB-SAMPLE ID:	00000	00000	00000	00000	00000	00000
STATION ID:	LBC006	LBC007	LBC008	LBC001	LBC010	NS001
SAMPLE DATE:	04/24/1991	04/24/1991	04/25/1991	04/23/1991	04/25/1991	04/18/1991
SAMPLE TIME:	14:30	10:00	08:30	10:20	10:00	08:45
SAMPLE MATRIX:	SW	SW	SW	SW	SW	SW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
ALUMINUM UG/L	239UYJN	147UYJBN	527UYJN	1990DYJ	149UYJBN	2280DY
ANTIMONY UG/L	8.7UY	8.7UY	8.7UY	8.7UY	8.7UY	24.3UYJB
ARSENIC UG/L	9.1UY	9.1UY	9.1UY	14.4DY	9.1UY	12.4DYJS
BARIUM UG/L	55.6DYB	59.7DYB	64.2DYB	77.2DYB	109DYB	394DY
BERYLLIUM UG/L	0.22UY	0.43UYJB	0.32UYJB	0.2UYUJ	0.22UY	1UY
CADMIUM UG/L	1.1UY	1.1UY	1.1UY	1.1UY	1.1UY	4UY
CALCIUM UG/L	20700DY	21100DY	20300DY	10100DY	23600DY	300000DY
CHROMIUM UG/L	1.8DYB	1.6UY	4.1DYB	2.4DYB	1.6UY	6.6DYB
COBALT UG/L	2.4UY	2.4UY	2.4UY	3.4UYUJ	2.4UY	4UY
COPPER UG/L	1.4UY	1.4UY	1.4UY	7.9UYUJ	1.4UY	27.7DY
CYANIDE UG/L	3UY	3UY	3UY	3UY	3UY	10UY
IRON UG/L	567DY	553DY	1290DY	2710DYJ	751DY	1010DY
LEAD UG/L	0.9DYB	2.4DYB	2DYB	3.1UYUJ	0.5UY	5DYJN
MAGNESIUM UG/L	5220DY	5380DY	5160DY	2850DYB	6320DY	72500DY
MANGANESE UG/L	73.6DY	90.1DY	183DY	315DY	135DY	45.4DY
MERCURY UG/L	0.1UY	0.19DYB	0.1UY	0.1UY	0.1UY	0.2UY
NICKEL UG/L	4.2UY	4.2UY	4.2UY	5UYUJ	4.6DYB	12.3UYJB
POTASSIUM UG/L	1450DYB	1450DYB	1710DYB	2330DYB	1870DYB	26900DY
SELENIUM UG/L	1DYB	0.89DYB	0.83DYB	0.5UY	0.94DYB	1DYJ
SILVER UG/L	1.8UY	1.8UY	1.8UY	1.8UY	1.8UY	4UY
SODIUM UG/L	30100DYJE	30600DYJE	29200DYJE	3560DYJ	24000DYJE	617000DY
THALLIUM UG/L	0.7UY	0.7UY	0.7UY	0.7UY	0.7UY	50UY
VANADIUM UG/L	2DYB	1.2DYB	2DYB	5.9UYUJ	1.5DYB	35.9UYJB
ZINC UG/L	5.1UYJB	4.5UYJB	27.6DY	24.2DY	6.2UYJB	78.3DY*

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SURFACE WATER
PADUCAH PHASE II
SAMPLE ANALYSIS: INORGANICS

SAMPLE ID:	11034	11035	11036	11037	11039	11040
SUB-SAMPLE ID:	DUP	00000	00000	00000	00000	00000
STATION ID:	NS002	NS002	NS003	NS004	OF001	OF002
SAMPLE DATE:	04/17/1991	04/17/1991	04/17/1991	04/16/1991	03/26/1991	03/26/1991
SAMPLE TIME:	10:80	10:30	08:45	15:30	08:00	08:30
SAMPLE MATRIX:	SW	SW	SW	SW	SW	SW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
ALUMINUM UG/L	375DY	323DY	77UY	1210DYJ	110DYB	1940DY
ANTIMONY UG/L	27.9UYJB	35.5UYJB	33.8UYJB	19UY	9.2UY	9.2UY
ARSENIC UG/L	2UY	2UY	2UY	2UY	8.4DYB	6.5UY
BARIUM UG/L	72.4DYB	66.5DYB	5UY	54.5DYJB	19.2DYB	33.4DYB
BERYLLIUM UG/L	1UY	1UY	1UY	1UY	0.2UY	0.2UY
CADMIUM UG/L	4UY	4UY	4UY	4UY	0.6UY	0.6UY
CALCIUM UG/L	59800DY	56000DY	338DYB	22100DYJ	41500DY	18300DY
CHROMIUM UG/L	5.1DYB	7DYB	3UY	3UY	2.4UYUJ	10.9UYUJ
COBALT UG/L	4UY	4UY	4UY	4UY	2UY	2UY
COPPER UG/L	13.1DYB	14.6DYB	7UY	8.7UYJB	5.2DYB	7.5DYB
CYANIDE UG/L	10UY	10UY	10UY	10UY	3UY	3UY
IRON UG/L	613DY	638DY	37UY	2110DYJ	168DY	2620DY
LEAD UG/L	2UYNR	2DYJBWN	2UYWNR	17.3DYJ	0.6UY	6.7DY
MAGNESIUM UG/L	8430DY	7850DY	127DYB	3350DYJB	8640DY	3810DYB
MANGANESE UG/L	44.4DY	41.3DY	2UY	80.7DYJ	36.9DY	81DY
MERCURY UG/L	0.2UY	0.2UY	0.2UY	0.2UY	0.1UY	0.1UY
NICKEL UG/L	9.3UYJB	13.9UYJB	7UY	9.6UYJB	5.2UYUJ	3.5UY
POTASSIUM UG/L	1750DYB	1960DYB	1010UY	1740DYJB	4450DYB	1840DYB
SELENIUM UG/L	1UY	1UY	1UY	1.2UYJB	0.6UYN	0.6UYW
SILVER UG/L	4UY	4UY	4UY	4UY	1.6UY	1.6UY
SODIUM UG/L	7760DY	7600DY	208UYJB	3030DYJB	42200DYJ	18800DY
THALLIUM UG/L	5UY	5UY	5UY	5UY	0.7UY	0.7UY
VANADIUM UG/L	14.6UYJB	15UYJB	8UY	8UY	1.5DYB	5.3UYUJ
ZINC UG/L	57.2DY*	69DY*	42.8UYJ*	33.9DY	6UYUJ	35.7DY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SURFACE WATER
PADUCAH PHASE II
SAMPLE ANALYSIS: INORGANICS

SAMPLE ID:	11041	11042	11044	11045	11046	11047
SUB-SAMPLE ID:	00000	00000	DUP	00000	00000	00000
STATION ID:	OF003	OF004	OF006	OF006	OF008	OF009
SAMPLE DATE:	03/27/1991	03/27/1991	03/26/1991	03/26/1991	03/26/1991	03/26/1991
SAMPLE TIME:	14:10	07:45	09:45	09:45	10:45	12:45
SAMPLE MATRIX:	SW	SW	SW	SW	SW	SW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
ALUMINUM UG/L	1650DY	205DY	379DY	468DY	391DY	231DY
ANTIMONY UG/L	9.2UY	9.2UY	9.2UY	9.2UY	18.2UY	9.2UY
ARSENIC UG/L	6.5UY	6.5UY	9.3DYB	6.6UYUJ	0.9UYW	8.4UYUJ
BARIUM UG/L	62.6DYB	31.4DYB	10.3DYB	10.5DYB	23.8DYB	12.1DYB
BERYLLIUM UG/L	0.2UY	0.2UY	0.2UY	0.2UY	0.6UY	0.2UY
CADMIUM UG/L	0.6UY	0.6UY	0.6UY	0.6UY	2.8DYB	0.6UY
CALCIUM UG/L	23800DY	39100DY	15200DY	14600DY	13500DY	23800DY
CHROMIUM UG/L	6.5DYB	1180DY	2.3UYUJ	3.2UYUJ	20.4DY	1.8UYUJ
COBALT UG/L	2UY	2UY	3.2DYB	2UY	3UY	2UY
COPPER UG/L	17.7DYB	54.2DY	3.3DYB	4.9DYB	36DY	6.3DYB
CYANIDE UG/L	3UY	3UY	3UY	3UY	20UY	3UY
IRON UG/L	1850DY	724DY	889DY	972DY	1060DYJN	531DY
LEAD UG/L	8.8DY	6.9DYJ	1.1DYB	1.1DYB	21.4DY	1.6DYB
MAGNESIUM UG/L	3180DYB	9860DY	3580DYB	3460DYB	3280DYB	4890DYB
MANGANESE UG/L	89.9DY	41DY	38.2DY	37.4DY	41.6DY	144DY
MERCURY UG/L	0.1UY	0.33DY	0.1UY	0.1UY	0.87DY	0.1UY
NICKEL UG/L	7.2DYB	8DYB	3.5UY	3.5UY	5.7DYB	5DYB
POTASSIUM UG/L	2040DYB	5750DY	1690DYUJ	1470DYB	1850DYB	1530DYB
SELENIUM UG/L	0.6UYWN	0.6UYWN	0.6UYWN	0.6UYW	1.1UY	0.6UYW
SILVER UG/L	1.6UY	2.9DYB	1.6UY	1.6UY	4DYB	1.6UY
SODIUM UG/L	4030DYJ	49500DYJ	13300DYJ	14000DY	19600DY	24300DY
THALLIUM UG/L	0.7UY	0.7UY	0.9DYB	0.7UY	1.4UYW	0.7UY
VANADIUM UG/L	3.8DYB	1.5DYB	1.4DYB	1.4UYUJ	2UY	2.1UYUJ
ZINC UG/L	90.6DY	108DY	7.6DYB	9.4UYUJ	54.5DYJ	20DY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SURFACE WATER
PADUCAH PHASE II
SAMPLE ANALYSIS: INORGANICS

SAMPLE ID:		11048	11049	11049	11050	11052	11053
SUB-SAMPLE ID:		00000	00000	A	00000	00000	00000
STATION ID:		OF010	OF011	OF011	OF012	OF013	OF015
SAMPLE DATE:		03/26/1991	03/26/1991	03/26/1991	03/26/1991	03/26/1991	03/27/1991
SAMPLE TIME:		13:30	14:00	14:00	14:45	15:20	12:35
SAMPLE MATRIX:		SW	SW	SW	SW	SW	SW
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
ALUMINUM	UG/L	1500DY	248DY		135DYB	656DY	4990DYJN
ANTIMONY	UG/L	9.2UY	18.2UY		9.2UY	9.2UY	18.2UY
ARSENIC	UG/L	6.5UY	0.9UYW		10UYUJ	7.3UYUJ	0.9UY
BARIUM	UG/L	41.4DYB	12.5DYB		46.9DYB	77.3DYB	122DYB
BERYLLIUM	UG/L	0.2UY	0.6UY		0.2UY	0.2UY	0.6UY
CADMIUM	UG/L	0.6UY	2.7UY		0.6UY	0.6UY	2.7UYN
CALCIUM	UG/L	23500DY	12600DY		28900DY	45400DY	56900DY
CHROMIUM	UG/L	5.8UYUJ	6.9UY		2.6UYUJ	1.3UY	6.9DYJB
COBALT	UG/L	2UY	3UY		2UY	2UY	6.4DYB
COPPER	UG/L	9.4DYB	2.5UY		1.1DYB	3.6DYB	2.5UY
CYANIDE	UG/L	3UY	20UY		3UY	3UY	20UY
IRON	UG/L	1980DY	281DYJN		357DY	1590DY	6410DYJE
LEAD	UG/L	2.3DYB	3DY		0.6UY	0.7DYB	4DYN
MAGNESIUM	UG/L	4180DYB	3000DYB		6060DY	9050DY	8540DY
MANGANESE	UG/L	149DY	24.2DY		103DY	293DY	198DY
MERCURY	UG/L	0.1UY	0.2UY		0.1UY	0.1UY	0.2UY
NICKEL	UG/L	5.4DYB	3.9UY		3.5UY	4DYB	19.6DYJB
POTASSIUM	UG/L	1810DYB	1370DYB		1230DYB	1730DYB	4670DYB
SELENIUM	UG/L	0.6UYW	1.1UY		0.6UY	0.6UY	1.1UY
SILVER	UG/L	1.6UY	3.8UY		1.6UY	1.6UY	3.8UY
SODIUM	UG/L	19600DY	17700DY		33500DY	21700DY	11700DYJE
THALLIUM	UG/L	0.7UY	1.4UYW		0.7UY	0.7UY	1.4UYWN
VANADIUM	UG/L	4.4UYUJ	2UY		1.4UYUJ	2.7UYUJ	10.1DYJB
ZINC	UG/L	26DY	4.7UY		18DYB	21.6DY	79.1DYJ*

Data Format: value + detected flag + validated flag + qualifiers

DMS CHEMICAL OBSERVATIONS MATRIX
URFACE WATER
ADUCAH PHASE II
AMPLE ANALYSIS: INORGANICS

SAMPLE ID:	11054	11055	11056	11057	11058	11060
SUB-SAMPLE ID:	DUP	00000	00000	00000	00000	00000
STATION ID:	OF016	OF016	OF017	OF018	OF014	TP002
SAMPLE DATE:	03/27/1991	03/27/1991	03/27/1991	03/27/1991	03/27/1991	05/22/1991
SAMPLE TIME:	13:35	13:35	08:30	09:15	09:45	10:45
SAMPLE MATRIX:	SW	SW	SW	SW	SW	SW
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
ALUMINUM UG/L	908DY	1150DYJ	553DY	689DY	250DY	18600DYJ
ANTIMONY UG/L	9.2UY	9.2UY	9.2UY	9.2UY	9.2UY	3UYN
ARSENIC UG/L	6.5UY	6.5UY	6.5UY	9.3DYB	6.5UY	14.9DYJ
BARIUM UG/L	49.5DYB	47.6DYB	92.7DYB	87.5DYB	31.6DYB	214DYJ
BERYLLIUM UG/L	0.2UY	0.2UY	0.2UY	0.2UY	0.2UY	2UY
CADMIUM UG/L	0.6UY	0.6UY	0.6UY	0.6UY	0.6UY	7UYJNE
CALCIUM UG/L	43000DY	40800DY	67400DY	41700DY	20600DY	66800DYJE
CHROMIUM UG/L	1.3UY	2.1DYB	1.3UY	1.3UY	2.7DYB	23DYJ
COBALT UG/L	2UY	2UY	2UY	2.8DYB	2UY	11DYJBE
COPPER UG/L	7.7DYB	6.9DYB	2.4DYB	6.8DYB	2.9DYB	68DYJ
CYANIDE UG/L	3UY	3UY	3UY	3UY	9DYJ	25UY
IRON UG/L	1380DY	1580DY	868DY	1000DY	579DY	17900DYJ*
LEAD UG/L	3.2DY	3.3DY	0.6DYB	1.5DYB	0.8DYB	360DYJ
MAGNESIUM UG/L	5500DY	5230DY	10700DY	6580DY	5560DY	34000DYJE
MANGANESE UG/L	92DY	89.5DY	464DY	161DY	72DY	570DYJ*
MERCURY MG/KG	0.1UY	0.1UY	0.1UY	0.1UY	0.1UY	0.1UY
NICKEL UG/L	4.4DYB	4DYB	5.4DYB	3.5UY	3.5UY	93DYJE
POTASSIUM UG/L	1600UYUJ	1530DYB	1420UYUJ	3620DYB	1890DYB	8830DYJ
SELENIUM UG/L	0.6UYN	0.6UY	0.6UYN	0.6UYWN	0.6UYWN	1.3UYJBW
SILVER UG/L	1.6UY	1.6UY	1.6UY	1.6UY	1.6UY	10UY
SODIUM UG/L	11400DYJ	10600DYJ	24600DYJ	9030DYJ	11500DYJ	36500DYJ
THALLIUM UG/L	0.7UY	0.7UY	0.7UY	0.7DYB	0.7UY	10UYE
VANADIUM UG/L	2.9DYB	4.3DYB	2.5DYB	2.6DYB	1DYB	17.6DYJB
ZINC UG/L	47.8DY	48.6DYJ	11.6DYB	11.6DYB	8.4DYB	73UYJE

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SURFACE WATER
PADUCAH PHASE II
SAMPLE ANALYSIS: INORGANICS

SAMPLE ID:		11061	11062	11063
SUB-SAMPLE ID:		00000	00000	00000
STATION ID:		WMU003	TP003	TP005
SAMPLE DATE:		04/25/1991	05/22/1991	05/23/1991
SAMPLE TIME:		14:10	15:20	14:45
SAMPLE MATRIX:		SW	SW	SW
UPPER DEPTH:		0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00
ALUMINUM	UG/L	1460DYJ	1210000DYJ	
ANTIMONY	UG/L	24.5DYJ	1480DYJNS	
ARSENIC	UG/L	2UY	32.6DYJS	
BARIUM	UG/L	90.3DYJ	38600DYJ	
BERYLLIUM	UG/L	4.7DYB	30DYJ	
CADMIUM	UG/L	4UY	3410DYJNE	
CALCIUM	UG/L	104000DY	475000DYJE	
CHROMIUM	UG/L	3UY	12300DYJ	
COBALT	UG/L	4UY	2970DYJE	
COPPER	UG/L	88DY	908000DYJ	
CYANIDE	UG/L		50UY	
IRON	UG/L	6180DY	2720000DYJ*	
LEAD	UG/L	4.6DY	3970DYJ	
MAGNESIUM	UG/L	37200DYB	167000DYJE	
MANGANESE	UG/L	95.6DY	58200DYJ*	
MERCURY	UG/L	0.2UY	0.2DYJ	
NICKEL	UG/L	7UYR	407000DYJE	
POTASSIUM	UG/L	13700DY	1750000DYJ	
SELENIUM	UG/L	4.4UY	1UYW	
SILVER	UG/L	388DY	653DYJ	
SODIUM	UG/L	17700DYJ	836000DYJ	
THALLIUM	UG/L	5UY	10UYE	
VANADIUM	UG/L	400UYR	3UYJ	
ZINC	UG/L	55.5DY	87900DYJE	

Data Format: value + detected flag + validated flag + qualifiers

APPENDIX 4A-6
Surface Water: Radioactivity

EDMS CHEMICAL OBSERVATIONS MATRIX
SURFACE WATER - RADIOLOGICAL
PHASE II

SAMPLE ID:		11000	11000	11001
SUB-SAMPLE ID:		00000	DUP	00000
STATION ID:		WMU017	WMU017	WMU018
SAMPLE DATE:		02/27/1991	02/27/1991	02/27/1991
SAMPLE TIME:		16:00	16:00	13:00
SAMPLE MATRIX:		SW	SW	SW
UPPER DEPTH:				
LOWER DEPTH:				
GROSS ALPHA	PCI/L	4UYJW	4UYJW	2.5 +/- 2.1DYJW
GROSS BETA	PCI/L	52 +/- 9DYJW	52 +/- 9DYJW	58 +/- 8DYJW
NEPTUNIUM-237	PCI/L	1UY	1UY	0.6UY
PLUTONIUM-239	PCI/L	0.21 +/- 0.15DY	8.4 +/- 0.8DY	0.73 +/- 0.25DY
TECHNETIUM-99	PCI/L	3UY	2UY	22 +/- 4DY
THORIUM-230	PCI/L	0.4UYJC	0.3UYRC	0.3UYJC
URANIUM-234	PCI/L	0.2UY	0.1 +/- 0.08DYJC	3.6 +/- 0.6DY
URANIUM-235	PCI/L	2UY	0.07UYJC	0.21 +/- 0.16DY
URANIUM-238	PCI/L	2UYJC	0.1UYJC	5.6 +/- 0.8DYJ

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

EDMS CHEMICAL OBSERVATIONS MATRIX
SURFACE WATER - RADIOLOGICAL
PHASE II

SAMPLE ID:	11002	11003	11005
SUB-SAMPLE ID:	00000	00000	00000
STATION ID:	WMU019	WMU019	WMU003
SAMPLE DATE:	02/28/1991	02/28/1991	03/01/1991
SAMPLE TIME:	13:50	13:50	10:45
SAMPLE MATRIX:	SW	SW	SW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	440 +/- 20DYJW	420 +/- 20DYJW	15000 +/- 1000DYJW
GROSS BETA PCI/L	1600 +/- 100DY	1700 +/- 100DY	220000 +/- 10000DYJW
NEPTUNIUM-237 PCI/L	0.7UY	1UY	2UYJ
PLUTONIUM-239 PCI/L	0.09UY	0.1UY	0.08UY
TECHNETIUM-99 PCI/L	600 +/- 20DY	690 +/- 20DY	150 +/- 10DYJC
THORIUM-230 PCI/L	0.15 +/- 0.09DYRC	0.2UYJ	0.41 +/- 0.11DYRC
URANIUM-234 PCI/L	200 +/- 10DY	160 +/- 10DYJC	2500 +/- 100DYRC
URANIUM-235 PCI/L	8.9 +/- 1DY	5.8 +/- 1.1DYJC	290 +/- 30DYRC
URANIUM-238 PCI/L	210 +/- 10DYJ	170 +/- 10DYJC	30000 +/- 1000DYRC

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

EDMS CHEMICAL OBSERVATIONS MATRIX
SURFACE WATER - RADIOLOGICAL
PHASE II

SAMPLE ID:		11006	11007	11011
SUB-SAMPLE ID:		00000	00000	00000
STATION ID:		WMU003	WMU003	BBC001
SAMPLE DATE:		03/01/1991	03/01/1991	04/19/1991
SAMPLE TIME:		10:00	15:00	09:30
SAMPLE MATRIX:		SW	SW	SW
UPPER DEPTH:				
LOWER DEPTH:				
GROSS ALPHA	PCI/L	38 +/- 4DYJW	14 +/- 4DYJW	2UYJC
GROSS BETA	PCI/L	240 +/- 10DYJW	110 +/- 10DY	9 +/- 2.8DY
NEPTUNIUM-237	PCI/L	1UY	1UY	1UY
PLUTONIUM-239	PCI/L	0.08UY	0.7UYRC	0.1UY
TECHNETIUM-99	PCI/L	220 +/- 10DY	21 +/- 4DY	2UYJC
THORIUM-230	PCI/L	0.03UYRC	1UYRC	0.9UYRC
URANIUM-234	PCI/L	22 +/- 2DYJC	1.1 +/- 0.3DYJC	0.2UYJ
URANIUM-235	PCI/L	1.1 +/- 0.4DYJC	0.05UYJC	0.1UYJC
URANIUM-238	PCI/L	110 +/- 10DYJC	4.4 +/- 0.5DYJC	0.1UYJ

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

EDMS CHEMICAL OBSERVATIONS MATRIX
SURFACE WATER - RADIOLOGICAL
PHASE II

SAMPLE ID:	11011	11012	11013
SUB-SAMPLE ID:	DUP	00000	00000
STATION ID:	BBC001	BBC002	BBC003
SAMPLE DATE:	04/19/1991	04/19/1991	04/19/1991
SAMPLE TIME:	09:30	10:50	13:30
SAMPLE MATRIX:	SW	SW	SW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	2UYJC	1UYJC	1UY
GROSS BETA PCI/L	7 +/- 2.7DY	5.9 +/- 2.2DY	7.1 +/- 2.2DY
NEPTUNIUM-237 PCI/L	2UYJ	2UYJ	2UY
PLUTONIUM-239 PCI/L	0.1UY	0.1UY	0.09UYJC
TECHNETIUM-99 PCI/L	2UYJC	2UYJC	2UYJC
THORIUM-230 PCI/L	0.7UYJC	1UYRC	0.1UYJC
URANIUM-234 PCI/L	0.3UYJ	0.1UY	0.1UY
URANIUM-235 PCI/L	0.2UYJC	0.1UYJC	0.03UY
URANIUM-238 PCI/L	0.2UY	0.1UY	0.1UY

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

EDMS CHEMICAL OBSERVATIONS MATRIX
SURFACE WATER - RADIOLOGICAL
PHASE II

SAMPLE ID:	11014	11015	11016
SUB-SAMPLE ID:	00000	00000	00000
STATION ID:	BBC003	BBC004	BBC005
SAMPLE DATE:	04/19/1991	04/22/1991	04/19/1991
SAMPLE TIME:	13:30	09:15	15:30
SAMPLE MATRIX:	SW	SW	SW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	1UY	0.9UY	1UY
GROSS BETA PCI/L	6.6 +/- 2.2DY	2.2 +/- 1.2DY	7.6 +/- 2.4DY
NEPTUNIUM-237 PCI/L	2UYJ	0.7UY	2UYJ
PLUTONIUM-239 PCI/L	0.12 +/- 0.11DY	5.8 +/- 0.9DYJ	0.08UY
TECHNETIUM-99 PCI/L	2UYJC	3UYJC	3UYJC
THORIUM-230 PCI/L	0.1UYJC	0.2UYJC	0.1UYRQ
URANIUM-234 PCI/L	0.1UY	0.2UYJC	0.24 +/- 0.17DY
URANIUM-235 PCI/L	0.1UY	0.2UYJC	0.1UY
URANIUM-238 PCI/L	0.2UY	0.2UYJC	0.85 +/- 0.31DY

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	11017	11018	11019
SUB-SAMPLE ID:	00000	00000	00000
STATION ID:	BBC006	BBC007	BBC008
SAMPLE DATE:	04/22/1991	04/22/1991	04/16/1991
SAMPLE TIME:	10:40	14:15	09:00
SAMPLE MATRIX:	SW	SW	SW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	1.4 +/- 1DY	1.5 +/- 1.1DYJW	2.3 +/- 1.4DY
GROSS BETA PCI/L	3.6 +/- 1.3DY	6.9 +/- 1.5DY	15 +/- 3DY
NEPTUNIUM-237 PCI/L	0.8UY	1UY	2UYJ
PLUTONIUM-239 PCI/L	1.2 +/- 0.4DYJ	17 +/- 2DYJ	0.09UY
TECHNETIUM-99 PCI/L	3.4 +/- 1.6DY	3.6 +/- 2.6DYJC	7.8 +/- 2.8DYJC
THORIUM-230 PCI/L	0.7 +/- 0.52DYJC	0.4UYJC	0.2UYJC
URANIUM-234 PCI/L	0.2UYJC	0.56 +/- 0.33DYJC	0.92 +/- 0.52DYJC
URANIUM-235 PCI/L	0.2UYJC	0.1UYJC	0.2UYJC
URANIUM-238 PCI/L	0.3UYJC	1.2 +/- 0.5DYJC	1.5 +/- 0.7DYJC

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	11020	11021	11022
SUB-SAMPLE ID:	00000	00000	00000
STATION ID:	BBC009	LBC009	LBC002
SAMPLE DATE:	04/22/1991	04/22/1991	04/24/1991
SAMPLE TIME:	11:30	16:15	08:45
SAMPLE MATRIX:	SW	SW	SW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	0.8UY	6.4 +/- 2.1DYJW	4.5 +/- 2.2DYJW
GROSS BETA PCI/L	3.2 +/- 1.3DY	11 +/- 3DY	24 +/- 4DY
NEPTUNIUM-237 PCI/L	1UY	1UY	2UYJ
PLUTONIUM-239 PCI/L	2.4 +/- 0.5DYJC	4.4 +/- 0.8DYJ	0.2UY
TECHNETIUM-99 PCI/L	3UYJC	7.2 +/- 3DYJC	3UYJC
THORIUM-230 PCI/L	0.2UYJC	0.4UYJC	0.6UYRC
URANIUM-234 PCI/L	0.2UYJC	2.1 +/- 0.6DYJC	0.2UY
URANIUM-235 PCI/L	0.2UYJC	0.17UYJC	0.2UY
URANIUM-238 PCI/L	0.2UYJC	9.1 +/- 1.2DYJC	0.3UY

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	11022	11023	11024
SUB-SAMPLE ID:	DUP	00000	00000
STATION ID:	LBC002	LBC003	LBC004
SAMPLE DATE:	04/24/1991	04/23/1991	04/23/1991
SAMPLE TIME:	08:45	15:10	13:50
SAMPLE MATRIX:	SW	SW	SW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	4.1 +/- 2.2DYJW	2UYJW	9.5 +/- 2.6DYJW
GROSS BETA PCI/L	23 +/- 4DY	13 +/- 3DY	43 +/- 5DY
NEPTUNIUM-237 PCI/L	2UY	2UYJ	2UYJ
PLUTONIUM-239 PCI/L	0.1UY	0.1UYJC	0.11 +/- 0.1DY
TECHNETIUM-99 PCI/L	96 +/- 9DYJC	3UYJC	2UYJC
THORIUM-230 PCI/L	0.8UYRC	0.3UYJC	0.1UYJC
URANIUM-234 PCI/L	0.1UYJ	0.52 +/- 0.25DY	2.4 +/- 0.5DY
URANIUM-235 PCI/L	0.1UY	0.1UY	0.47 +/- 0.24DY
URANIUM-238 PCI/L	0.35 +/- 0.24DY	0.85 +/- 0.31DY	0.2 +/- 0.02DY

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	11025	11026	11027
SUB-SAMPLE ID:	00000	00000	00000
STATION ID:	LBC004	LBC005	LBC006
SAMPLE DATE:	04/23/1991	04/24/1991	04/24/1991
SAMPLE TIME:	13:30	13:00	14:30
SAMPLE MATRIX:	SW	SW	SW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	8.7 +/- 2.5DYJW	4.6 +/- 2.2DYJW	4.4 +/- 1.8DYJW
GROSS BETA PCI/L	44 +/- 5DY	33 +/- 4DY	26 +/- 4DY
NEPTUNIUM-237 PCI/L	2UYJ	2UYJ	2UY
PLUTONIUM-239 PCI/L	0.07UYJC	0.1UY	0.08UYRBN
TECHNETIUM-99 PCI/L	3UYJC	2.3 +/- 1.5DY	2UYJD
THORIUM-230 PCI/L	0.1UYRBN	0.2UYJC	0.09UYRC
URANIUM-234 PCI/L	2.9 +/- 0.6DY	1 +/- 0.5DY	0.87 +/- 0.29DYJD
URANIUM-235 PCI/L	0.09UY	0.2UY	0.13 +/- 0.12DYJD
URANIUM-238 PCI/L	0.2 +/- 0.01DY	12 +/- 2DY	8.1 +/- 0.9DYJD

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	11028	11029	11031
SUB-SAMPLE ID:	00000	00000	00000
STATION ID:	LBC007	LBC008	LBC001
SAMPLE DATE:	04/24/1991	04/25/1991	04/23/1991
SAMPLE TIME:	10:00	08:30	10:20
SAMPLE MATRIX:	SW	SW	SW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	4.2 +/- 1.9DYJW	6 +/- 2.1DYJW	2 +/- 1.7DYJW
GROSS BETA PCI/L	25 +/- 4DY	34 +/- 4DY	4UY
NEPTUNIUM-237 PCI/L	2UY	2UYJ	2UYJ
PLUTONIUM-239 PCI/L	0.1UY	0.08UYRBN	0.2UYJC
TECHNETIUM-99 PCI/L	3UYJC	2UYJD	2UY
THORIUM-230 PCI/L	0.1UYJC	0.1UYJD	1UYRC
URANIUM-234 PCI/L	1.7 +/- 0.7DYJC	8.5 +/- 0.6DYRC	0.1UYJ
URANIUM-235 PCI/L	0.2UYJC	0.14 +/- 0.08DYRC	0.1UY
URANIUM-238 PCI/L	11 +/- 2DYJC	17 +/- 1DYRC	0.1UYJ

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

EDMS CHEMICAL OBSERVATIONS MATRIX
SURFACE WATER - RADIOLOGICAL
PHASE II

SAMPLE ID:	11032	11033	11034
SUB-SAMPLE ID:	00000	00000	00000
STATION ID:	LBC010	NS001	NS002
SAMPLE DATE:	04/25/1991	04/18/1991	04/17/1991
SAMPLE TIME:	10:00	08:45	10:80
SAMPLE MATRIX:	SW	SW	SW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	2.9 +/- 1.6DYJW	9.4 +/- 6.7DYJW	16 +/- 4DYJW
GROSS BETA PCI/L	57 +/- 5DY	180 +/- 30DYJW	140 +/- 10DYJW
NEPTUNIUM-237 PCI/L	2UY	2UYJ	1UYJ
PLUTONIUM-239 PCI/L	0.04UYRC	0.1UY	0.63 +/- 0.13DYRC
TECHNETIUM-99 PCI/L	41 +/- 5DYJD	16 +/- 3DYJC	52 +/- 4DYJC
THORIUM-230 PCI/L	0.08UYJD	0.1UY	1.4 +/- 0.4DY
URANIUM-234 PCI/L	0.19 +/- 0.14DYJD	5.1 +/- 0.7DY	16 +/- 1DY
URANIUM-235 PCI/L	0.08UYJD	0.21 +/- 0.15DYJC	0.64 +/- 0.25DYJC
URANIUM-238 PCI/L	2.2 +/- 0.5DYJD	6.2 +/- 0.8DY	24 +/- 1DY

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	11035	11036	11037
SUB-SAMPLE ID:	00000	00000	00000
STATION ID:	NS002	NS003	NS004
SAMPLE DATE:	04/17/1991	04/17/1991	04/16/1991
SAMPLE TIME:	10:30	08:45	15:30
SAMPLE MATRIX:	SW	SW	SW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	1.2 +/- 0.4DYJW	11 +/- 3DYJW	5.5 +/- 2.1DYJW
GROSS BETA PCI/L	190 +/- 10DYJW	90 +/- 7DY	44 +/- 5DY
NEPTUNIUM-237 PCI/L	2UY	2UYJ	2UY
PLUTONIUM-239 PCI/L	1.1 +/- 0.3DY	0.086 +/- 0.073DYRC	0.08UY
TECHNETIUM-99 PCI/L	81 +/- 7DYJC	44 +/- 5DYJC	23 +/- 3DYJC
THORIUM-230 PCI/L	6.8 +/- 0.9DY	1.4 +/- 0.4DY	2.9 +/- 0.6DYJC
URANIUM-234 PCI/L	21 +/- 1DYJC	12 +/- 1DY	4.4 +/- 1DYJC
URANIUM-235 PCI/L	0.98 +/- 0.31DYJC	0.73 +/- 0.28DYJC	0.3UYJC
URANIUM-238 PCI/L	29 +/- 2DYJC	19 +/- 1DY	5.6 +/- 1.2DYJC

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	11039	11040	11041
SUB-SAMPLE ID:	00000	00000	00000
STATION ID:	OF001	OF002	OF003
SAMPLE DATE:	03/26/1991	03/26/1991	03/27/1991
SAMPLE TIME:	08:00	08:30	14:10
SAMPLE MATRIX:	SW	SW	SW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	6.1 +/- 1.2DYJW	2.8 +/- 0.8DYJW	9.2 +/- 2.3DY
GROSS BETA PCI/L	45 +/- 3DY	16 +/- 2DY	55 +/- 5DY
NEPTUNIUM-237 PCI/L	2UY	0.8UY	1UYJ
PLUTONIUM-239 PCI/L	1.1 +/- 0.4DYJC	0.2UYJ	0.6 +/- 0.37DY
TECHNETIUM-99 PCI/L	13 +/- 3DY	2UY	3UYJC
THORIUM-230 PCI/L	1UYRBN	0.2UY	0.49UYJC
URANIUM-234 PCI/L	4 +/- 0.9DYJC	0.62 +/- 0.38DYJC	5.1 +/- 1DYJC
URANIUM-235 PCI/L	0.37 +/- 0.29DY	0.2UY	0.2UYJ
URANIUM-238 PCI/L	7 +/- 1.2DY	1.9 +/- 0.6DYJC	5.9 +/- 1.1DYJC

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	11042	11044	11045
SUB-SAMPLE ID:	00000	00000	00000
STATION ID:	OF004	OF006	OF006
SAMPLE DATE:	03/27/1991	03/26/1991	03/26/1991
SAMPLE TIME:	07:45	09:45	09:45
SAMPLE MATRIX:	SW	SW	SW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	9.3 +/- 2.8DYJW	0.74 +/- 0.51DY	0.7UY
GROSS BETA PCI/L	45 +/- 5DYJW	5.2 +/- 1.1DY	6.3 +/- 1.2DY
NEPTUNIUM-237 PCI/L	2UYJ	4UYJ	2UY
PLUTONIUM-239 PCI/L	0.29 +/- 0.22DY	0.31 +/- 0.23DYJC	0.62 +/- 0.32DYJC
TECHNETIUM-99 PCI/L	14 +/- 3DYJC	2UY	2UY
THORIUM-230 PCI/L	2UYRC	0.4UYRBN	0.2UYJ
URANIUM-234 PCI/L	20UYRC	0.2UYJC	0.1UYJC
URANIUM-235 PCI/L	0.1UY	0.2UY	0.1UY
URANIUM-238 PCI/L	2UY	0.3UYJC	0.2UYJC

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	11046	11047	11048
SUB-SAMPLE ID:	00000	00000	00000
STATION ID:	OF008	OF009	OF010
SAMPLE DATE:	03/26/1991	03/26/1991	03/26/1991
SAMPLE TIME:	10:45	12:45	13:30
SAMPLE MATRIX:	SW	SW	SW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	17 +/- 2DYJW	1.4 +/- 0.7DYJW	5.4 +/- 1DYJW
GROSS BETA PCI/L	95 +/- 3DY	13 +/- 2DY	37 +/- 2DY
NEPTUNIUM-237 PCI/L	2UY	1UY	2UY
PLUTONIUM-239 PCI/L	0.26 +/- 0.21DYJC	0.91 +/- 0.41DYJC	0.3 +/- 0.25DYJC
TECHNETIUM-99 PCI/L	10 +/- 2DY	4.7 +/- 1.9DY	9.7 +/- 2.4DY
THORIUM-230 PCI/L	0.3UYJC	0.4UYJ	0.2UYRBN
URANIUM-234 PCI/L	9 +/- 1.3DYJC	1.2 +/- 0.5DYJC	2 +/- 0.6DYJC
URANIUM-235 PCI/L	0.39 +/- 0.28DY	0.2UYJ	0.2UYJ
URANIUM-238 PCI/L	14 +/- 2DYJC	1.2 +/- 0.5DYJC	6.8 +/- 1.2DYJC

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
J = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	11049	11050	11052
SUB-SAMPLE ID:	00000	00000	00000
STATION ID:	OF011	OF012	OF013
SAMPLE DATE:	03/26/1991	03/26/1991	03/26/1991
SAMPLE TIME:	14:00	14:45	15:20
SAMPLE MATRIX:	SW	SW	SW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	22 +/- 2DY	1.6 +/- 0.7DYJW	2.7 +/- 0.9DYJW
GROSS BETA PCI/L	90 +/- 3DY	24 +/- 2DY	20 +/- 2DYJW
NEPTUNIUM-237 PCI/L	1UY	1UY	0.7UY
PLUTONIUM-239 PCI/L	0.39 +/- 0.28DYJC	0.2UYJC	0.33 +/- 0.24DYJC
TECHNETIUM-99 PCI/L	4UYJC	7.7 +/- 2.3DYJC	3.4 +/- 2DYJC
THORIUM-230 PCI/L	0.8UYJ	0.3UYJC	0.3UYJC
URANIUM-234 PCI/L	5.4 +/- 1DYJC	1.4 +/- 0.6DYJC	1.9 +/- 0.6DYJC
URANIUM-235 PCI/L	0.2UYJ	0.3UY	0.2UY
URANIUM-238 PCI/L	47 +/- 3DYJC	4.1 +/- 1DYJC	3.2 +/- 0.8DYJC

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	11053	11054	11055
SUB-SAMPLE ID:	00000	00000	00000
STATION ID:	OF015	OF016	OF016
SAMPLE DATE:	03/27/1991	03/27/1991	03/27/1991
SAMPLE TIME:	12:35	13:35	13:35
SAMPLE MATRIX:	SW	SW	SW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	50 +/- 7DYJW	1.6 +/- 1.3DYJW	1UYJW
GROSS BETA PCI/L	400 +/- 20DYJW	11 +/- 3DYJ	9.6 +/- 2.8DYJW
NEPTUNIUM-237 PCI/L	2UY	2UYJ	1UYJ
PLUTONIUM-239 PCI/L	0.42 +/- 0.25DY	0.1UY	0.2UYJ
TECHNETIUM-99 PCI/L	23 +/- 3DY	3UYJC	2UYJC
THORIUM-230 PCI/L	0.5UYJC	0.6UYJC	0.3UY
URANIUM-234 PCI/L	32 +/- 2DYJC	0.8 +/- 0.39DYJC	1 +/- 0.3DYJC
URANIUM-235 PCI/L	2.6 +/- 0.7DY	0.2UY	0.08UYJC
URANIUM-238 PCI/L	140 +/- 10DYJC	2.1 +/- 0.6DYJC	0.98 +/- 0.34DYJC

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	11056	11057	11058
SUB-SAMPLE ID:	00000	00000	00000
STATION ID:	OF017	OF018	OF014
SAMPLE DATE:	03/27/1991	03/27/1991	03/27/1991
SAMPLE TIME:	08:30	09:15	09:45
SAMPLE MATRIX:	SW	SW	SW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	2UYJW	12 +/- 3DYJW	1UY
GROSS BETA PCI/L	19 +/- 4DYJW	96 +/- 7DY	5.7 +/- 2.2DYJ
NEPTUNIUM-237 PCI/L	1UY	1UY	2UYJ
PLUTONIUM-239 PCI/L	0.88 +/- 0.38DY	0.24 +/- 0.22DY	0.1 +/- 0.18DY
TECHNETIUM-99 PCI/L	3.2 +/- 2DYJC	53 +/- 5DY	1.6 +/- 1.1DY
THORIUM-230 PCI/L	0.1UYRBN	0.3UYJ	2UYJC
URANIUM-234 PCI/L	11 +/- 2DYJC	0.1UYRC	0.5UYRC
URANIUM-235 PCI/L	3.4 +/- 1.3DYJC	7UY	0.5UYRC
URANIUM-238 PCI/L	1.6 +/- 1DYJC	7UYRC	0.2UYRC

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	11060	11062
SUB-SAMPLE ID:	00000	00000
STATION ID:	TP002	TP003
SAMPLE DATE:	05/22/1991	05/22/1991
SAMPLE TIME:	10:45	15:20
SAMPLE MATRIX:	SW	SW
UPPER DEPTH:		
LOWER DEPTH:		
GROSS ALPHA		
GROSS BETA		
NEPTUNIUM-237 PCI/L	36 +/- 4DY	520 +/- 60DY
PLUTONIUM-239 PCI/L	2UY	20UY
TECHNETIUM-99 PCI/L	5.4 +/- 1.9DY	300 +/- 30DY
THORIUM-230 PCI/L	9UY	29 +/- 7DY
URANIUM-234 PCI/L	41 +/- 7DY	670 +/- 80DY
URANIUM-235 PCI/L	4 +/- 2DY	130 +/- 30DY
URANIUM-238 PCI/L	30 +/- 6DY	1100 +/- 200DY

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

APPENDIX 4A-7
Sediment: Organics

EDMS CHEMICAL OBSERVATIONS MATRIX
SEDIMENTS
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:	12000	12001	12002	12003	12005	12011
SUB-SAMPLE ID:	00000	00000	DUP	00000	00000	00000
STATION ID:	WMU017	WMU018	WMU017	WMU038	WMU019	BBC001
SAMPLE DATE:	02/27/1991	02/28/1991	02/27/1991	03/01/1991	02/28/1991	04/19/1991
SAMPLE TIME:	16:00	13:00	16:00	12:45	14:00	09:30
SAMPLE MATRIX:	SD	SD	SD	SD	SD	SD
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
1,1,1-TRICHLOROETHANE MG/KG	0.042UY	0.016UY	0.051UY	0.002DYJ	0.01UY	0.007UY
1,1,2,2-TETRACHLOROETHANE MG/KG	0.042UY	0.016UY	0.051UY	0.005UY	0.01UY	0.007UY
1,1,2-TRICHLOROETHANE MG/KG	0.042UY	0.016UY	0.051UY	0.005UY	0.01UY	0.007UY
1,1-DICHLOROETHANE MG/KG	0.042UY	0.016UY	0.051UY	0.005UY	0.01UY	0.007UY
1,1-DICHLOROETHENE MG/KG	0.042UY	0.016UY	0.051UY	0.005UY	0.01UY	0.007UY
1,2-DICHLOROETHANE MG/KG	0.042UY	0.016UY	0.051UY	0.005UY	0.01UY	0.007UY
1,2-DICHLOROETHENE (TOTAL) MG/KG	0.042UY	0.016UY	0.051UY	0.005UY	0.01UY	0.007UY
1,2-DICHLOROPROPANE MG/KG	0.042UY	0.016UY	0.051UY	0.005UY	0.01UY	0.007UY
2-BUTANONE MG/KG	0.55DYR	0.006DYJ	1.3DYR	0.01UY	0.019UY	0.014UY
2-HEXANONE MG/KG	0.083UY	0.033UY	0.1UY	0.01UY	0.019UY	0.014UY
4-METHYL-2-PENTANONE MG/KG	0.083UY	0.033UY	0.1UY	0.01UY	0.019UY	0.014UY
ACETONE MG/KG	3.3DYJ	0.066UYJB	2.4DYJ	0.014UYJB	0.019UYJB	0.014DYJ
BENZENE MG/KG	0.01DYJ	0.016UY	0.015DYR	0.005UY	0.01UY	0.007UY
BROMODICHLOROMETHANE MG/KG	0.042UY	0.016UY	0.051UY	0.005UY	0.01UY	0.007UY
BROMOFORM MG/KG	0.042UY	0.016UY	0.051UY	0.005UY	0.01UY	0.007UY
BROMOMETHANE MG/KG	0.083UY	0.033UY	0.1UY	0.01UY	0.019UY	0.014UY
CARBON DISULFIDE MG/KG	0.023DYJ	0.016UY	0.1DYJ	0.005UY	0.01UY	0.007UY
CARBON TETRACHLORIDE MG/KG	0.042UY	0.016UY	0.051UY	0.005UY	0.01UY	0.007UY
CHLOROBENZENE MG/KG	0.042UY	0.016UY	0.051UY	0.005UY	0.01UY	0.007UY
CHLOROETHANE MG/KG	0.083UY	0.033UY	0.1UY	0.01UY	0.019UY	0.014UY
CHLOROFORM MG/KG	0.042UY	0.016UY	0.051UY	0.005UY	0.01UY	0.007UY
CHLOROMETHANE MG/KG	0.083UY	0.033UY	0.1UY	0.01UY	0.019UY	0.014UY
CIS-1,3-DICHLOROPROPENE MG/KG	0.042UY	0.016UY	0.051UY	0.005UY	0.01UY	0.007UY
DIBROMOCHLOROMETHANE MG/KG	0.042UY	0.016UY	0.051UY	0.005UY	0.01UY	0.007UY
ETHYLBENZENE MG/KG	0.042UY	0.016UY	0.051UY	0.005UY	0.01UY	0.007UY
METHYLENE CHLORIDE MG/KG	0.21DYJ	0.025UYJB	0.24DYJ	0.033UYJB	0.01UYJB	0.005DYJ
STYRENE MG/KG	0.042UY	0.016UY	0.051UY	0.005UY	0.01UY	0.007UY
TETRACHLOROETHENE MG/KG	0.042UY	0.016UY	0.051UY	0.017DYJ	0.01UY	0.007UY
TOLUENE MG/KG	0.042UY	0.016UY	0.051UY	0.005UY	0.01UY	0.007UY
TRANS-1,3-DICHLOROPROPENE MG/KG	0.042UY	0.016UY	0.051UY	0.005UY	0.01UY	0.007UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SEDIMENTS
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:	12000	12001	12002	12003	12005	12011
SUB-SAMPLE ID:	00000	00000	DUP	00000	00000	00000
STATION ID:	WMU017	WMU018	WMU017	WMU038	WMU019	BBC001
SAMPLE DATE:	02/27/1991	02/28/1991	02/27/1991	03/01/1991	02/28/1991	04/19/1991
SAMPLE TIME:	16:00	13:00	16:00	12:45	14:00	09:30
SAMPLE MATRIX:	SD	SD	SD	SD	SD	SD
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
TRICHLOROETHENE MG/KG	0.008UY	0.003UY	0.01UY	0.001UY	0.002UY	0.007UY
VINYL ACETATE MG/KG	0.083UY	0.033UY	0.1UY	0.01UY	0.019UY	0.014UY
VINYL CHLORIDE MG/KG	0.008UY	0.003UY	0.01UY	0.001UY	0.002UY	0.014UY
XYLENE (TOTAL) MG/KG	0.042UY	0.016UY	0.051UY	0.005UY	0.01UY	0.007UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SEDIMENTS
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:	12012	12013	12014	12015	12016	12017
SUB-SAMPLE ID:	00000	00000	DUP	00000	00000	00000
STATION ID:	BBC002	BBC003	BBC003	BBC004	BBC005	BBC006
SAMPLE DATE:	04/19/1991	04/19/1991	04/19/1991	04/22/1991	04/19/1991	04/22/1991
SAMPLE TIME:	10:50	13:30	13:30	09:15	15:30	10:40
SAMPLE MATRIX:	SD	SD	SD	SD	SD	SD
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
1,1,1-TRICHLOROETHANE MG/KG	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY
1,1,2,2-TETRACHLOROETHANE MG/KG	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY
1,1,2-TRICHLOROETHANE MG/KG	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY
1,1-DICHLOROETHANE MG/KG	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY
1,1-DICHLOROETHENE MG/KG	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY
1,2-DICHLOROETHANE MG/KG	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY
1,2-DICHLOROETHENE (TOTAL) MG/KG	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY
1,2-DICHLOROPROPANE MG/KG	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY
2-BUTANONE MG/KG	0.012UY	0.012UY	0.013UY	0.012UY	0.012UY	0.013UY
2-HEXANONE MG/KG	0.012UY	0.012UY	0.013UY	0.012UY	0.012UY	0.013UY
4-METHYL-2-PENTANONE MG/KG	0.012UY	0.012UY	0.013UY	0.012UY	0.012UY	0.013UY
ACETONE MG/KG	0.011DYJ	0.018DYJ	0.018DYJ	0.012UYJB	0.011DYJ	0.073DYJB
BENZENE MG/KG	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY
BROMODICHLOROMETHANE MG/KG	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY
BROMOFORM MG/KG	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY
BROMOMETHANE MG/KG	0.012UY	0.012UY	0.013UY	0.012UY	0.012UY	0.013UY
CARBON DISULFIDE MG/KG	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY
CARBON TETRACHLORIDE MG/KG	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY
CHLOROBENZENE MG/KG	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY
CHLOROETHANE MG/KG	0.012UY	0.012UY	0.013UY	0.012UY	0.012UY	0.013UY
CHLOROFORM MG/KG	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY
CHLOROMETHANE MG/KG	0.012UY	0.012UY	0.013UY	0.012UY	0.012UY	0.013UY
CIS-1,3-DICHLOROPROPENE MG/KG	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY
DIBROMOCHLOROMETHANE MG/KG	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY
ETHYLBENZENE MG/KG	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY
METHYLENE CHLORIDE MG/KG	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY
STYRENE MG/KG	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY
TETRACHLOROETHENE MG/KG	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY
TOLUENE MG/KG	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY
TRANS-1,3-DICHLOROPROPENE MG/KG	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SEDIMENTS
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:	12012	12013	12014	12015	12016	12017
SUB-SAMPLE ID:	00000	00000	DUP	00000	00000	00000
STATION ID:	BBC002	BBC003	BBC003	BBC004	BBC005	BBC006
SAMPLE DATE:	04/19/1991	04/19/1991	04/19/1991	04/22/1991	04/19/1991	04/22/1991
SAMPLE TIME:	10:50	13:30	13:30	09:15	15:30	10:40
SAMPLE MATRIX:	SD	SD	SD	SD	SD	SD
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
TRICHLOROETHENE MG/KG	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY
VINYL ACETATE MG/KG	0.012UY	0.012UY	0.013UY	0.012UY	0.012UY	0.013UY
VINYL CHLORIDE MG/KG	0.012UY	0.012UY	0.013UY	0.012UY	0.012UY	0.013UY
XYLENE (TOTAL) MG/KG	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SEDIMENTS
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:	12018	12019	12020	12021	12022	12023
SUB-SAMPLE ID:	00000	00000	00000	00000	00000	00000
STATION ID:	BBC007	BBC008	BBC009	LBC009	LBC002	LBC003
SAMPLE DATE:	04/22/1991	04/16/1991	04/22/1991	04/22/1991	04/24/1991	04/23/1991
SAMPLE TIME:	14:15	09:00	11:30	16:15	08:45	15:10
SAMPLE MATRIX:	SD	SD	SD	SD	SD	SD
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
1,1,1-TRICHLOROETHANE MG/KG	0.006UY	0.006UY	0.006UY	0.006UY	0.008UY	0.008UY
1,1,2,2-TETRACHLOROETHANE MG/KG	0.006UY	0.006UY	0.006UY	0.006UY	0.008UY	0.008UY
1,1,2-TRICHLOROETHANE MG/KG	0.006UY	0.006UY	0.006UY	0.006UY	0.008UY	0.008UY
1,1-DICHLOROETHANE MG/KG	0.006UY	0.006UY	0.006UY	0.006UY	0.008UY	0.008UY
1,1-DICHLOROETHENE MG/KG	0.006UY	0.006UY	0.006UY	0.006UY	0.008UY	0.008UY
1,2-DICHLOROETHANE MG/KG	0.006UY	0.006UY	0.006UY	0.006UY	0.008UY	0.008UY
1,2-DICHLOROETHENE (TOTAL) MG/KG	0.006UY	0.006UY	0.006UY	0.006UY	0.008UY	0.008UY
1,2-DICHLOROPROPANE MG/KG	0.006UY	0.006UY	0.006UY	0.006UY	0.008UY	0.008UY
2-BUTANONE MG/KG	0.012UY	0.013UY	0.013UY	0.012UY	0.015UY	0.016UY
2-HEXANONE MG/KG	0.012UY	0.013UY	0.013UY	0.012UY	0.015UY	0.016UY
4-METHYL-2-PENTANONE MG/KG	0.012UY	0.013UY	0.013UY	0.012UY	0.015UY	0.016UY
ACETONE MG/KG	0.012UYJB	0.16UYJB	0.013UYJB	0.012UYJB	0.055UYJB	0.042UYJB
BENZENE MG/KG	0.006UY	0.006UY	0.006UY	0.006UY	0.008UY	0.008UY
BROMODICHLOROMETHANE MG/KG	0.006UY	0.006UY	0.006UY	0.006UY	0.008UY	0.008UY
BROMOFORM MG/KG	0.006UY	0.006UY	0.006UY	0.006UY	0.008UY	0.008UY
BROMOMETHANE MG/KG	0.012UY	0.013UY	0.013UY	0.012UY	0.015UY	0.016UY
CARBON DISULFIDE MG/KG	0.006UY	0.006UY	0.006UY	0.006UY	0.008UY	0.008UY
CARBON TETRACHLORIDE MG/KG	0.006UY	0.006UY	0.006UY	0.006UY	0.008UY	0.008UY
CHLOROBENZENE MG/KG	0.006UY	0.006UY	0.006UY	0.006UY	0.008UY	0.008UY
CHLOROETHANE MG/KG	0.012UY	0.013UY	0.013UY	0.012UY	0.015UY	0.016UY
CHLOROFORM MG/KG	0.006UY	0.006UY	0.006UY	0.006UY	0.008UY	0.008UYJB
CHLOROMETHANE MG/KG	0.012UY	0.013UY	0.013UY	0.012UY	0.015UY	0.016UY
CIS-1,3-DICHLOROPROPENE MG/KG	0.006UY	0.006UY	0.006UY	0.006UY	0.008UY	0.008UY
DIBROMOCHLOROMETHANE MG/KG	0.006UY	0.006UY	0.006UY	0.006UY	0.008UY	0.008UY
ETHYLBENZENE MG/KG	0.006UY	0.006UY	0.006UY	0.006UY	0.008UY	0.008UY
METHYLENE CHLORIDE MG/KG	0.006UY	0.006UY	0.006UY	0.006UY	0.008UY	0.008UY
STYRENE MG/KG	0.006UY	0.006UY	0.006UY	0.006UY	0.008UY	0.008UY
TETRACHLOROETHENE MG/KG	0.006UY	0.006UY	0.006UY	0.006UY	0.008UY	0.008UY
TOLUENE MG/KG	0.006UY	0.006UY	0.006UY	0.006UY	0.008UY	0.008DY
TRANS-1,3-DICHLOROPROPENE MG/KG	0.006UY	0.006UY	0.006UY	0.006UY	0.008UY	0.008UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SEDIMENTS
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:	12018	12019	12020	12021	12022	12023
SUB-SAMPLE ID:	00000	00000	00000	00000	00000	00000
STATION ID:	BBC007	BBC008	BBC009	LBC009	LBC002	LBC003
SAMPLE DATE:	04/22/1991	04/16/1991	04/22/1991	04/22/1991	04/24/1991	04/23/1991
SAMPLE TIME:	14:15	09:00	11:30	16:15	08:45	15:10
SAMPLE MATRIX:	SD	SD	SD	SD	SD	SD
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
TRICHLOROETHENE MG/KG	0.006UY	0.006UY	0.006UY	0.006UY	0.008UY	0.008UY
VINYL ACETATE MG/KG	0.012UY	0.013UY	0.013UY	0.012UY	0.015UY	0.016UY
VINYL CHLORIDE MG/KG	0.012UY	0.013UY	0.013UY	0.012UY	0.015UY	0.016UY
XYLENE (TOTAL) MG/KG	0.006UY	0.006UY	0.006UY	0.006UY	0.008UY	0.008UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SEDIMENTS
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:		12024	12025	12026	12027	12028	12029
SUB-SAMPLE ID:		00000	DUP	00000	00000	00000	00000
STATION ID:		LBC004	LBC004	LBC005	LBC006	LBC007	LBC008
SAMPLE DATE:		04/23/1991	04/23/1991	04/24/1991	04/24/1991	04/24/1991	04/25/1991
SAMPLE TIME:		13:30	13:30	13:00	14:20	10:00	08:30
SAMPLE MATRIX:		SD	SD	SD	SD	SD	SD
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,1,1-TRICHLOROETHANE	MG/KG	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY
1,1,2,2-TETRACHLOROETHANE	MG/KG	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY
1,1,2-TRICHLOROETHANE	MG/KG	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY
1,1-DICHLOROETHANE	MG/KG	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY
1,1-DICHLOROETHENE	MG/KG	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY
1,2-DICHLOROETHANE	MG/KG	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY
1,2-DICHLOROETHENE (TOTAL)	MG/KG	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY
1,2-DICHLOROPROPANE	MG/KG	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY
2-BUTANONE	MG/KG	0.012UY	0.012UY	0.012UY	0.013UY	0.012UY	0.012UY
2-HEXANONE	MG/KG	0.012UY	0.012UY	0.012UY	0.013UY	0.012UY	0.012UY
4-METHYL-2-PENTANONE	MG/KG	0.012UY	0.012UY	0.012UY	0.013UY	0.012UY	0.012UY
ACETONE	MG/KG	0.032UYJB	0.018UYJB	0.063UYJB	0.039UYJB	0.041UYJB	0.032UYJB
BENZENE	MG/KG	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY
BROMODICHLOROMETHANE	MG/KG	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY
BROMOFORM	MG/KG	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY
BROMOMETHANE	MG/KG	0.012UY	0.012UY	0.012UY	0.013UY	0.012UY	0.012UY
CARBON DISULFIDE	MG/KG	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY
CARBON TETRACHLORIDE	MG/KG	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY
CHLOROBENZENE	MG/KG	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY
CHLOROETHANE	MG/KG	0.012UY	0.012UY	0.012UY	0.013UY	0.012UY	0.012UY
CHLOROFORM	MG/KG	0.006UYJB	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY
CHLOROMETHANE	MG/KG	0.012UY	0.012UY	0.012UY	0.013UY	0.012UY	0.012UY
CIS-1,3-DICHLOROPROPENE	MG/KG	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY
DIBROMOCHLOROMETHANE	MG/KG	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY
ETHYLBENZENE	MG/KG	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY
METHYLENE CHLORIDE	MG/KG	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY
STYRENE	MG/KG	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY
TETRACHLOROETHENE	MG/KG	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY
TOLUENE	MG/KG	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY
TRANS-1,3-DICHLOROPROPENE	MG/KG	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SEDIMENTS
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:	12024	12025	12026	12027	12028	12029
SUB-SAMPLE ID:	00000	DUP	00000	00000	00000	00000
STATION ID:	LBC004	LBC004	LBC005	LBC006	LBC007	LBC008
SAMPLE DATE:	04/23/1991	04/23/1991	04/24/1991	04/24/1991	04/24/1991	04/25/1991
SAMPLE TIME:	13:30	13:30	13:00	14:20	10:00	08:30
SAMPLE MATRIX:	SD	SD	SD	SD	SD	SD
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
TRICHLOROETHENE MG/KG	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY
VINYL ACETATE MG/KG	0.012UY	0.012UY	0.012UY	0.013UY	0.012UY	0.012UY
VINYL CHLORIDE MG/KG	0.012UY	0.012UY	0.012UY	0.013UY	0.012UY	0.012UY
XYLENE (TOTAL) MG/KG	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY	0.006UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SEDIMENTS
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:		12031	12032	12033	12034	12035	12036
SUB-SAMPLE ID:		00000	00000	00000	DUP	00000	00000
STATION ID:		LBC001	LBC010	NS001	NS002	NS002	NS003
SAMPLE DATE:		04/23/1991	04/25/1991	04/18/1991	04/17/1991	04/17/1991	04/17/1991
SAMPLE TIME:		10:20	10:00	08:45	10:30	10:30	08:45
SAMPLE MATRIX:		SD	SD	SD	SD	SD	SD
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,1,1-TRICHLOROETHANE	MG/KG	0.007UY	0.006UY	0.01UY	0.008UY	0.008UY	0.007UY
1,1,2,2-TETRACHLOROETHANE	MG/KG	0.007UY	0.006UY	0.01UY	0.008UY	0.008UY	0.007UY
1,1,2-TRICHLOROETHANE	MG/KG	0.007UY	0.006UY	0.01UY	0.008UY	0.008UY	0.007UY
1,1-DICHLOROETHANE	MG/KG	0.007UY	0.006UY	0.01UY	0.008UY	0.008UY	0.007UY
1,1-DICHLOROETHENE	MG/KG	0.007UY	0.006UY	0.01UY	0.008UY	0.008UY	0.007UY
1,2-DICHLOROETHANE	MG/KG	0.007UY	0.006UY	0.01UY	0.008UY	0.008UY	0.007UY
1,2-DICHLOROETHENE (TOTAL)	MG/KG	0.007UY	0.006UY	0.01UY	0.008UY	0.008UY	0.007UY
1,2-DICHLOROPROPANE	MG/KG	0.007UY	0.006UY	0.01UY	0.008UY	0.008UY	0.007UY
2-BUTANONE	MG/KG	0.015UY	0.007DYJ	0.021UY	0.016UY	0.016UY	0.015UY
2-HEXANONE	MG/KG	0.015UY	0.012UY	0.021UY	0.016UY	0.016UY	0.015UY
4-METHYL-2-PENTANONE	MG/KG	0.015UY	0.012UY	0.021UY	0.016UY	0.016UY	0.015UY
ACETONE	MG/KG	0.037UYJB	0.08UYJB	0.028UYJB	0.07UYJB	0.027UYJB	0.059UYJB
BENZENE	MG/KG	0.007UY	0.006UY	0.01UY	0.008UY	0.008UY	0.007UY
BROMODICHLOROMETHANE	MG/KG	0.007UY	0.006UY	0.01UY	0.008UY	0.008UY	0.007UY
BROMOFORM	MG/KG	0.007UY	0.006UY	0.01UY	0.008UY	0.008UY	0.007UY
BROMOMETHANE	MG/KG	0.015UY	0.012UY	0.021UY	0.016UY	0.016UY	0.015UY
CARBON DISULFIDE	MG/KG	0.007UY	0.006UY	0.01UY	0.008UY	0.008UY	0.007UY
CARBON TETRACHLORIDE	MG/KG	0.007UY	0.006UY	0.01UY	0.008UY	0.008UY	0.007UY
CHLOROBENZENE	MG/KG	0.007UY	0.006UY	0.01UY	0.008UY	0.008UY	0.007UY
CHLOROETHANE	MG/KG	0.015UY	0.012UY	0.021UY	0.016UY	0.016UY	0.015UY
CHLOROFORM	MG/KG	0.007UYJB	0.006UYJB	0.01UY	0.008UY	0.008UY	0.007UY
CHLOROMETHANE	MG/KG	0.015UY	0.012UY	0.021UY	0.016UY	0.016UY	0.015UY
CIS-1,3-DICHLOROPROPENE	MG/KG	0.007UY	0.006UY	0.01UY	0.008UY	0.008UY	0.007UY
DIBROMOCHLOROMETHANE	MG/KG	0.007UY	0.006UY	0.01UY	0.008UY	0.008UY	0.007UY
ETHYLBENZENE	MG/KG	0.007UY	0.006UY	0.01UY	0.008UY	0.008UY	0.007UY
METHYLENE CHLORIDE	MG/KG	0.007UY	0.006UY	0.01UY	0.009UYJB	0.006DYJ	0.007UYJB
STYRENE	MG/KG	0.007UY	0.006UY	0.01UY	0.008UY	0.008UY	0.007UY
TETRACHLOROETHENE	MG/KG	0.007UY	0.006UY	0.01UY	0.008UY	0.008UY	0.007UY
TOLUENE	MG/KG	0.007UY	0.006UY	0.01UY	0.008UY	0.008UY	0.007UY
TRANS-1,3-DICHLOROPROPENE	MG/KG	0.007UY	0.006UY	0.01UY	0.008UY	0.008UY	0.007UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SEDIMENTS
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:	12031	12032	12033	12034	12035	12036
SUB-SAMPLE ID:	00000	00000	00000	DUP	00000	00000
STATION ID:	LBC001	LBC010	NS001	NS002	NS002	NS003
SAMPLE DATE:	04/23/1991	04/25/1991	04/18/1991	04/17/1991	04/17/1991	04/17/1991
SAMPLE TIME:	10:20	10:00	08:45	10:30	10:30	08:45
SAMPLE MATRIX:	SD	SD	SD	SD	SD	SD
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
TRICHLOROETHENE MG/KG	0.007UY	0.006UY	0.01UY	0.008UY	0.008UY	0.007UY
VINYL ACETATE MG/KG	0.015UY	0.012UY	0.021UY	0.016UY	0.016UY	0.015UY
VINYL CHLORIDE MG/KG	0.015UY	0.012UY	0.021UY	0.016UY	0.016UY	0.015UY
XYLENE (TOTAL) MG/KG	0.007UY	0.006UY	0.01UY	0.008UY	0.008UY	0.007UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SEDIMENTS
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:		12037	12038	12039	12040	12041	12042
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		NS004	NS005	OF1	OF2	FP001	FP002
SAMPLE DATE:		04/16/1991	04/16/1991	04/17/1991	04/17/1991	04/22/1991	04/16/1991
SAMPLE TIME:		15:30	14:45	13:45	15:00	17:00	11:10
SAMPLE MATRIX:		SD	SD	SD	SD	SD	SD
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,1,1-TRICHLOROETHANE	MG/KG	0.007UY	0.008UY	0.009UY	0.01UY	0.006UY	0.008DY
1,1,2,2-TETRACHLOROETHANE	MG/KG	0.007UY	0.008UY	0.009UY	0.01UY	0.006UY	0.008UY
1,1,2-TRICHLOROETHANE	MG/KG	0.007UY	0.008UY	0.009UY	0.01UY	0.006UY	0.008UY
1,1-DICHLOROETHANE	MG/KG	0.007UY	0.008UY	0.009UY	0.01UY	0.006UY	0.008UY
1,1-DICHLOROETHENE	MG/KG	0.007UY	0.008UY	0.009UY	0.01UY	0.006UY	0.008UY
1,2-DICHLOROETHANE	MG/KG	0.007UY	0.008UY	0.009UY	0.01UY	0.006UY	0.008UY
1,2-DICHLOROETHENE (TOTAL)	MG/KG	0.007UY	0.008UY	0.009UY	0.01UY	0.006UY	0.008UY
1,2-DICHLOROPROPANE	MG/KG	0.007UY	0.008UY	0.009UY	0.01UY	0.006UY	0.008UY
2-BUTANONE	MG/KG	0.014UY	0.017UY	0.018UY	0.019UY	0.011UY	0.015UY
2-HEXANONE	MG/KG	0.014UY	0.017UY	0.018UY	0.019UY	0.011UY	0.015UY
4-METHYL-2-PENTANONE	MG/KG	0.015DY	0.009DYJ	0.018UY	0.019UY	0.011UY	0.015UY
ACETONE	MG/KG	0.34DYJBE	0.084DYJB	0.058UYJB	0.077DYJB	0.012UYJB	0.13UYJB
BENZENE	MG/KG	0.007UY	0.008UY	0.009UY	0.01UY	0.006UY	0.008UY
BROMODICHLOROMETHANE	MG/KG	0.007UY	0.008UY	0.009UY	0.01UY	0.006UY	0.008UY
BROMOFORM	MG/KG	0.007UY	0.008UY	0.009UY	0.01UY	0.006UY	0.008UY
BROMOMETHANE	MG/KG	0.014UY	0.017UY	0.018UY	0.019UY	0.011UY	0.015UY
CARBON DISULFIDE	MG/KG	0.007UY	0.008UY	0.009UY	0.01UY	0.006UY	0.008UY
CARBON TETRACHLORIDE	MG/KG	0.007UY	0.008UY	0.009UY	0.01UY	0.006UY	0.008UY
CHLOROBENZENE	MG/KG	0.007UY	0.008UY	0.009UY	0.01UY	0.006UY	0.008UY
CHLOROETHANE	MG/KG	0.014UY	0.017UY	0.018UY	0.019UY	0.011UY	0.015UY
CHLOROFORM	MG/KG	0.007UY	0.008UY	0.009UY	0.01UY	0.006UY	0.008UY
CHLOROMETHANE	MG/KG	0.014UY	0.017UY	0.018UY	0.019UY	0.011UY	0.015UY
CIS-1,3-DICHLOROPROPENE	MG/KG	0.007UY	0.008UY	0.009UY	0.01UY	0.006UY	0.008UY
DIBROMOCHLOROMETHANE	MG/KG	0.007UY	0.008UY	0.009UY	0.01UY	0.006UY	0.008UY
ETHYLBENZENE	MG/KG	0.007UY	0.008UY	0.009UY	0.01UY	0.006UY	0.008UY
METHYLENE CHLORIDE	MG/KG	0.007UY	0.008UY	0.009UY	0.01UY	0.006UY	0.008UY
STYRENE	MG/KG	0.007UY	0.008UY	0.009UY	0.01UY	0.006UY	0.008UY
TETRACHLOROETHENE	MG/KG	0.007UY	0.008UY	0.009UY	0.01UY	0.006UY	0.008UY
TOLUENE	MG/KG	0.007UY	0.008UY	0.009UY	0.01UY	0.006DY	0.008UY
TRANS-1,3-DICHLOROPROPENE	MG/KG	0.007UY	0.008UY	0.009UY	0.01UY	0.006UY	0.008UY

Data Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:	12037	12038	12039	12040	12041	12042
SUB-SAMPLE ID:	00000	00000	00000	00000	00000	00000
STATION ID:	NS004	NS005	OF1	OF2	FP001	FP002
SAMPLE DATE:	04/16/1991	04/16/1991	04/17/1991	04/17/1991	04/22/1991	04/16/1991
SAMPLE TIME:	15:30	14:45	13:45	15:00	17:00	11:10
SAMPLE MATRIX:	SD	SD	SD	SD	SD	SD
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
TRICHLOROETHENE MG/KG	0.007UY	0.008UY	0.009UY	0.01UY	0.006UY	0.008UY
VINYL ACETATE MG/KG	0.014UY	0.017UY	0.018UY	0.019UY	0.011UY	0.015UY
VINYL CHLORIDE MG/KG	0.014UY	0.017UY	0.018UY	0.019UY	0.011UY	0.015UY
XYLENE (TOTAL) MG/KG	0.007UY	0.008UY	0.009UY	0.01UY	0.006UY	0.008UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SEDIMENTS
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:		12043	12044	12045	12046	12047	12048
SUB-SAMPLE ID:		00000	DUP	00000	00000	00000	00000
STATION ID:		FP003	FP004	FP004	OF8	FP005	OF010
SAMPLE DATE:		04/22/1991	04/16/1991	04/16/1991	04/17/1991	04/22/1991	04/18/1991
SAMPLE TIME:		15:10	13:30	13:30	15:50	15:55	10:20
SAMPLE MATRIX:		SD	SD	SD	SD	SD	SD
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,1,1-TRICHLOROETHANE	MG/KG	0.007UY	0.007UY	0.007UY	0.006UY	0.006UY	0.008UY
1,1,2,2-TETRACHLOROETHANE	MG/KG	0.007UY	0.007UY	0.007UY	0.006UY	0.006UY	0.008UY
1,1,2-TRICHLOROETHANE	MG/KG	0.007UY	0.007UY	0.007UY	0.006UY	0.006UY	0.008UY
1,1-DICHLOROETHANE	MG/KG	0.007UY	0.007UY	0.007UY	0.006UY	0.006UY	0.008UY
1,1-DICHLOROETHENE	MG/KG	0.007UY	0.007UY	0.007UY	0.006UY	0.006UY	0.008UY
1,2-DICHLOROETHANE	MG/KG	0.007UY	0.007UY	0.007UY	0.006UY	0.006UY	0.008UY
1,2-DICHLOROETHENE (TOTAL)	MG/KG	0.007UY	0.007UY	0.007UY	0.006UY	0.006UY	0.008UY
1,2-DICHLOROPROPANE	MG/KG	0.007UY	0.007UY	0.007UY	0.006UY	0.006UY	0.008UY
2-BUTANONE	MG/KG	0.013UY	0.014UY	0.014UY	0.013UY	0.012UY	0.016UY
2-HEXANONE	MG/KG	0.013UY	0.014UY	0.014UY	0.013UY	0.012UY	0.016UY
4-METHYL-2-PENTANONE	MG/KG	0.013UY	0.014UY	0.014UY	0.013UY	0.012UY	0.016UY
ACETONE	MG/KG	19DYJBE	0.03UYJB	0.02UYJB	0.033UYJB	0.019UYJB	0.036UYJB
BENZENE	MG/KG	0.007UY	0.007UY	0.007UY	0.006UY	0.006UY	0.008UY
BROMODICHLOROMETHANE	MG/KG	0.007UY	0.007UY	0.007UY	0.006UY	0.006UY	0.008UY
BROMOFORM	MG/KG	0.007UY	0.007UY	0.007UY	0.006UY	0.006UY	0.008UY
BROMOMETHANE	MG/KG	0.013UY	0.014UY	0.014UY	0.013UY	0.012UY	0.016UY
CARBON DISULFIDE	MG/KG	0.007UY	0.007UY	0.007UY	0.006UY	0.006UY	0.008UY
CARBON TETRACHLORIDE	MG/KG	0.007UY	0.007UY	0.007UY	0.006UY	0.006UY	0.008UY
CHLOROBENZENE	MG/KG	0.007UY	0.007UY	0.007UY	0.006UY	0.006UY	0.008UY
CHLOROETHANE	MG/KG	0.013UY	0.014UY	0.014UY	0.013UY	0.012UY	0.016UY
CHLOROFORM	MG/KG	0.007UY	0.007UY	0.007UY	0.006UY	0.006UYJB	0.008UY
CHLOROMETHANE	MG/KG	0.013UY	0.014UY	0.014UY	0.013UY	0.012UY	0.016UY
CIS-1,3-DICHLOROPROPENE	MG/KG	0.007UY	0.007UY	0.007UY	0.006UY	0.006UY	0.008UY
DIBROMOCHLOROMETHANE	MG/KG	0.007UY	0.007UY	0.007UY	0.006UY	0.006UY	0.008UY
ETHYLBENZENE	MG/KG	0.007UY	0.007UY	0.007UY	0.006UY	0.006UY	0.008UY
METHYLENE CHLORIDE	MG/KG	0.007UY	0.007UY	0.007UY	0.019DY	0.006UY	0.006DYJ
STYRENE	MG/KG	0.007UY	0.007UY	0.007UY	0.006UY	0.006UY	0.008UY
TETRACHLOROETHENE	MG/KG	0.007UY	0.007UY	0.007UY	0.006UY	0.006UY	0.008UY
TOLUENE	MG/KG	0.006DYJ	0.007UY	0.007UY	0.006UY	0.006UY	0.008UY
TRANS-1,3-DICHLOROPROPENE	MG/KG	0.007UY	0.007UY	0.007UY	0.006UY	0.006UY	0.008UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SEDIMENTS
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:	12043	12044	12045	12046	12047	12048
SUB-SAMPLE ID:	00000	DUP	00000	00000	00000	00000
STATION ID:	FP003	FP004	FP004	OF8	FP005	OF010
SAMPLE DATE:	04/22/1991	04/16/1991	04/16/1991	04/17/1991	04/22/1991	04/18/1991
SAMPLE TIME:	15:10	13:30	13:30	15:50	15:55	10:20
SAMPLE MATRIX:	SD	SD	SD	SD	SD	SD
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
TRICHLOROETHENE MG/KG	0.007UY	0.007UY	0.007UY	0.006UY	0.006UY	0.008UY
VINYL ACETATE MG/KG	0.013UY	0.014UY	0.014UY	0.013UY	0.012UY	0.016UY
VINYL CHLORIDE MG/KG	0.013UY	0.014UY	0.014UY	0.013UY	0.012UY	0.016UY
XYLENE (TOTAL) MG/KG	0.007UY	0.007UY	0.007UY	0.006UY	0.006UY	0.008UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SEDIMENTS
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:		12049	12051	12052	12053	14134	14135
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		OF11A	OF11B	OF15A	OF15B	FP006	FP007
SAMPLE DATE:		04/18/1991	04/18/1991	04/18/1991	04/18/1991	04/29/1991	04/29/1991
SAMPLE TIME:		13:00	13:50	15:30	15:40	14:00	14:30
SAMPLE MATRIX:		SD	SD	SD	SD	SD	SD
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	5.00	0.50
1,1,1-TRICHLOROETHANE	MG/KG	0.007UY	0.008UY	0.007UY	0.007UY		
1,1,2,2-TETRACHLOROETHANE	MG/KG	0.007UY	0.008UY	0.007UY	0.007UY		
1,1,2-TRICHLOROETHANE	MG/KG	0.007UY	0.008UY	0.007UY	0.007UY		
1,1-DICHLOROETHANE	MG/KG	0.007UY	0.008UY	0.007UY	0.007UY		
1,1-DICHLOROETHENE	MG/KG	0.007UY	0.008UY	0.007UY	0.007UY		
1,2-DICHLOROETHANE	MG/KG	0.007UY	0.008UY	0.007UY	0.007UY		
1,2-DICHLOROETHENE (TOTAL)	MG/KG	0.007UY	0.008UY	0.007UY	0.007UY		
1,2-DICHLOROPROPANE	MG/KG	0.007UY	0.008UY	0.007UY	0.007UY		
2-BUTANONE	MG/KG	0.014UY	0.016UY	0.014UY	0.015UY		
2-HEXANONE	MG/KG	0.014UY	0.016UY	0.014UY	0.015UY		
4-METHYL-2-PENTANONE	MG/KG	0.014UY	0.016UY	0.014UY	0.015UY		
ACETONE	MG/KG	0.032UYJB	0.068UYJB	0.058UYJB	25DYJB		
BENZENE	MG/KG	0.007UY	0.008UY	0.007UY	0.007UY		
BROMODICHLOROMETHANE	MG/KG	0.007UY	0.008UY	0.007UY	0.007UY		
BROMOFORM	MG/KG	0.007UY	0.008UY	0.007UY	0.007UY		
BROMOMETHANE	MG/KG	0.014UY	0.016UY	0.014UY	0.015UY		
CARBON DISULFIDE	MG/KG	0.007UY	0.008UY	0.007UY	0.007UY		
CARBON TETRACHLORIDE	MG/KG	0.007UY	0.008UY	0.007UY	0.007UY		
CHLOROBENZENE	MG/KG	0.007UY	0.008UY	0.007UY	0.007UY		
CHLOROETHANE	MG/KG	0.014UY	0.016UY	0.014UY	0.015UY		
CHLOROFORM	MG/KG	0.007UY	0.008UY	0.007UY	0.007UY		
CHLOROMETHANE	MG/KG	0.014UY	0.016UY	0.014UY	0.015UY		
CIS-1,3-DICHLOROPROPENE	MG/KG	0.007UY	0.008UY	0.007UY	0.007UY		
DIBROMOCHLOROMETHANE	MG/KG	0.007UY	0.008UY	0.007UY	0.007UY		
ETHYLBENZENE	MG/KG	0.007UY	0.008UY	0.007UY	0.007UY		
METHYLENE CHLORIDE	MG/KG	0.013DY	0.009DY	0.007DY	0.007DYJ		
STYRENE	MG/KG	0.007UY	0.008UY	0.007UY	0.007UY		
TETRACHLOROETHENE	MG/KG	0.007UY	0.008UY	0.007UY	0.007UY		
TOLUENE	MG/KG	0.007UY	0.008UY	0.007UY	0.007UY		
TRANS-1,3-DICHLOROPROPENE	MG/KG	0.007UY	0.008UY	0.007UY	0.007UY		

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SEDIMENTS
PADUCAH PHASE II
SAMPLE ANALYSIS: VOLATILE ORGANIC

SAMPLE ID:	12049	12051	12052	12053	14134	14135
SUB-SAMPLE ID:	00000	00000	00000	00000	00000	00000
STATION ID:	OF11A	OF11B	OF15A	OF15B	FP006	FP007
SAMPLE DATE:	04/18/1991	04/18/1991	04/18/1991	04/18/1991	04/29/1991	04/29/1991
SAMPLE TIME:	13:00	13:50	15:30	15:40	14:00	14:30
SAMPLE MATRIX:	SD	SD	SD	SD	SD	SD
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	5.00	0.50
TRICHLOROETHENE MG/KG	0.007UY	0.008UY	0.007UY	0.007UY		
VINYL ACETATE MG/KG	0.014UY	0.016UY	0.014UY	0.015UY		
VINYL CHLORIDE MG/KG	0.014UY	0.016UY	0.014UY	0.015UY		
XYLENE (TOTAL) MG/KG	0.007UY	0.008UYJB	0.007UY	0.007UY		

Data Format: value + detected flag + validated flag + qualifiers

MS CHEMICAL OBSERVATIONS MATRIX
DIMENTS
DUCAH PHASE II
MPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		12000	12001	12002	12003	12005	12011
SUB-SAMPLE ID:		00000	00000	DUP	00000	00000	00000
STATION ID:		WMU017	WMU018	WMU017	WMU038	WMU019	BBC001
SAMPLE DATE:		02/27/1991	02/28/1991	02/27/1991	03/01/1991	02/28/1991	04/19/1991
SAMPLE TIME:		16:00	13:00	16:00	12:45	14:00	09:30
SAMPLE MATRIX:		SD	SD	SD	SD	SD	SD
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,2,4-TRICHLOROBENZENE	MG/KG	3.7UY	1.1UY	3.5UY	0.38UY	0.66UY	0.45UY
1,2-DICHLOROBENZENE	MG/KG	3.7UY	1.1UYJB	3.5UY	0.38UYJB	0.66UYJB	0.45UY
1,3-DICHLOROBENZENE	MG/KG	3.7UY	1.1UY	3.5UY	0.38UY	0.66UY	0.45UY
1,4-DICHLOROBENZENE	MG/KG	3.7UY	1.1UY	3.5UY	0.38UY	0.66UY	0.45UY
2,4,5-TRICHLOROPHENOL	MG/KG	19UY	5.5UY	17UY	1.9UY	3.3UY	2.2UY
2,4,6-TRICHLOROPHENOL	MG/KG	3.7UY	1.1UY	3.5UY	0.38UY	0.66UY	0.45UY
2,4-DICHLOROPHENOL	MG/KG	3.7UY	1.1UY	3.5UY	0.38UY	0.66UY	0.45UY
2,4-DIMETHYLPHENOL	MG/KG	3.7UY	1.1UY	3.5UY	0.38UY	0.66UY	0.45UY
2,4-DINITROPHENOL	MG/KG	19UY	5.5UY	17UY	1.9UY	3.3UY	2.2UY
2,4-DINITROTOLUENE	MG/KG	3.7UY	1.1UY	3.5UY	0.38UY	0.66UY	0.45UY
2,6-DINITROTOLUENE	MG/KG	3.7UY	1.1UY	3.5UY	0.38UY	0.66UY	0.45UY
2-CHLORONAPHTHALENE	MG/KG	3.7UY	1.1UY	3.5UY	0.38UY	0.66UY	0.45UY
2-CHLOROPHENOL	MG/KG	3.7UY	1.1UY	3.5UY	0.38UY	0.66UY	0.45UY
2-METHYLNAPHTHALENE	MG/KG	3.7UY	1.1UY	3.5UY	0.38UY	0.66UY	0.45UY
2-METHYLPHENOL	MG/KG	3.7UY	1.1UY	3.5UY	0.38UY	0.66UY	0.45UY
2-NITROANILINE	MG/KG	19UY	5.5UY	17UY	1.9UY	3.3UY	2.2UY
2-NITROPHENOL	MG/KG	3.7UY	1.1UY	3.5UY	0.38UY	0.66UY	0.45UY
3,3'-DICHLOROBENZIDINE	MG/KG	7.4UY	2.2UY	6.9UY	0.76UY	1.3UY	0.89UY
3-NITROANILINE	MG/KG	19UY	5.5UY	17UY	1.9UY	3.3UY	2.2UY
4,6-DINITRO-2-METHYLPHENOL	MG/KG	19UY	5.5UY	17UY	1.9UY	3.3UY	2.2UY
4-BROMOPHENYL PHENYL ETHER	MG/KG	3.7UY	1.1UY	3.5UY	0.38UY	0.66UY	0.45UY
4-CHLORO-3-METHYLPHENOL	MG/KG	3.7UY	1.1UY	3.5UY	0.38UY	0.66UY	0.45UY
4-CHLOROANILINE	MG/KG	3.7UY	1.1UY	3.5UY	0.093DYJ	0.66UY	0.45UY
4-CHLOROPHENYL PHENYL ETHER	MG/KG	3.7UY	1.1UY	3.5UY	0.38UY	0.66UY	0.45UY
4-METHYLPHENOL	MG/KG	3.7UY	1.1UY	3.5UY	0.38UY	0.66UY	0.45UY
4-NITROANILINE	MG/KG	19UY	5.5UY	17UY	1.9UY	3.3UY	2.2UY
4-NITROPHENOL	MG/KG	19UY	5.5UY	17UY	1.9UY	3.3UY	2.2UY
ACENAPHTHENE	MG/KG	3.7UY	1.1UY	3.5UY	0.38UY	0.084DYJ	0.45UY
ACENAPHTHYLENE	MG/KG	3.7UY	1.1UY	3.5UY	0.38UY	0.66UY	0.45UY
ANTHRACENE	MG/KG	3.7UY	1.1UY	3.5UY	0.076DYJ	0.14DYJ	0.45UY

ata Format: value + detected flag + validated flag + qualifiers

DMS CHEMICAL OBSERVATIONS MATRIX
EDIMENTS
ADUCAH PHASE II
AMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		12000	12001	12002	12003	12005	12011
SUB-SAMPLE ID:		00000	00000	DUP	00000	00000	00000
STATION ID:		WMU017	WMU018	WMU017	WMU038	WMU019	BBC001
SAMPLE DATE:		02/27/1991	02/28/1991	02/27/1991	03/01/1991	02/28/1991	04/19/1991
SAMPLE TIME:		16:00	13:00	16:00	12:45	14:00	09:30
SAMPLE MATRIX:		SD	SD	SD	SD	SD	SD
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
BENZO(A)ANTHRACENE	MG/KG	3.7UY	1.1UY	3.5UY	0.22DYJ	0.53DYJ	0.45UY
BENZO(A)PYRENE	MG/KG	3.7UY	1.1UY	3.5UY	0.38UY	0.43DYJ	0.45UY
BENZO(B)FLUORANTHENE	MG/KG	3.7UY	1.1UY	3.5UY	0.24DYJ	0.54DYJ	0.45UY
BENZO(GHI)PERYLENE	MG/KG	3.7UY	1.1UY	3.5UY	0.19DYJ	0.28DYJ	0.45UY
BENZO(K)FLUORANTHENE	MG/KG	3.7UY	1.1UY	3.5UY	0.21DYJ	0.42DYJ	0.45UY
BENZOIC ACID	MG/KG	19UY	5.5UY	17UY	1.9UY	3.3UY	2.2UY
BENZYL ALCOHOL	MG/KG	3.7UY	1.1UY	3.5UY	0.38UY	0.66UY	0.45UY
BENZYL BUTYL PHTHALATE	MG/KG	3.7UY	1.9DY	3.5UY	0.061DYJ	2.7DY	0.45UY
BIS(2-CHLOROETHOXY) METHANE	MG/KG	3.7UY	1.1UY	3.5UY	0.38UY	0.66UY	0.45UY
BIS(2-CHLOROETHYL)ETHER	MG/KG	3.7UY	1.1UY	3.5UY	0.38UY	0.66UY	0.45UY
BIS(2-CHLOROISOPROPYL) ETHER	MG/KG	3.7UY	1.1UY	3.5UY	0.38UY	0.66UY	0.45UY
BIS(2-ETHYLHEXYL)PHTHALATE	MG/KG	3.7UY	1.4UYJB	3.5UY	0.38UYJB	0.66UYJB	0.45UY
CHRYSENE	MG/KG	3.7UY	1.1UY	3.5UY	0.23DYJ	0.56DYJ	0.45UY
DI-N-BUTYL PHTHALATE	MG/KG	1.1DYJ	8.8DY	0.38DYJ	4.3DY	4.6DY	0.45UY
DI-N-OCTYL PHTHALATE	MG/KG	3.7UY	1.1UY	3.5UY	0.38UY	0.66UY	0.45UY
DIBENZO(A,H)ANTHRACENE	MG/KG	3.7UY	1.1UY	3.5UY	0.38UY	0.08DYJ	0.45UY
DIBENZOFURAN	MG/KG	3.7UY	1.1UY	3.5UY	0.38UY	0.66UY	0.45UY
DIETHYL PHTHALATE	MG/KG	3.7UY	1.1UY	3.5UY	0.38UY	0.66UY	0.45UY
DIMETHYL PHTHALATE	MG/KG	3.7UY	1.1UY	3.5UY	0.38UY	0.66UY	0.45UY
FLUORANTHENE	MG/KG	3.7UY	1.1UY	3.5UY	0.54DY	1.3DY	0.45UY
FLUORENE	MG/KG	3.7UY	1.1UY	3.5UY	0.38UY	0.067DYJ	0.45UY
HEXACHLOROBENZENE	MG/KG	3.7UY	1.1UY	3.5UY	0.38UY	0.66UY	0.45UY
HEXACHLOROBUTADIENE	MG/KG	3.7UY	1.1UY	3.5UY	0.38UY	0.66UY	0.45UY
HEXACHLOROCYCLOPENTADIENE	MG/KG	3.7UY	1.1UY	3.5UY	0.38UY	0.66UY	0.45UY
HEXACHLOROETHANE	MG/KG	3.7UY	1.1UY	3.5UY	0.38UY	0.66UY	0.45UY
INDENO(1,2,3-CD)PYRENE	MG/KG	3.7UY	1.1UY	3.5UY	0.17DYJ	0.27DYJ	0.45UY
ISOPHORONE	MG/KG	3.7UY	1.1UY	3.5UY	0.38UY	0.66UY	0.45UY
N-NITROSO-DI-N-PROPYLAMINE	MG/KG	3.7UY	1.1UY	3.5UY	0.38UY	0.66UY	0.45UY
N-NITROSODIPHENYLAMINE	MG/KG	3.7UY	1.1UY	3.5UY	0.38UY	0.66UY	0.45UY
NAPHTHALENE	MG/KG	3.7UY	1.1UY	3.5UY	0.38UY	0.66UY	0.45UY

ata Format: value + detected flag + validated flag + qualifiers

)MS CHEMICAL OBSERVATIONS MATRIX
:DIMENTS
\DUCAH PHASE II
\MPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:	12000	12001	12002	12003	12005	12011
SUB-SAMPLE ID:	00000	00000	DUP	00000	00000	00000
STATION ID:	WMU017	WMU018	WMU017	WMU038	WMU019	BBC001
SAMPLE DATE:	02/27/1991	02/28/1991	02/27/1991	03/01/1991	02/28/1991	04/19/1991
SAMPLE TIME:	16:00	13:00	16:00	12:45	14:00	09:30
SAMPLE MATRIX:	SD	SD	SD	SD	SD	SD
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
NITROBENZENE MG/KG	3.7UY	1.1UY	3.5UY	0.38UY	0.66UY	0.45UY
PENTACHLOROPHENOL MG/KG	19UY	5.5UY	17UY	1.9UY	3.3UY	2.2UY
PHENANTHRENE MG/KG	3.7UY	1.1UY	3.5UY	0.34DYJ	0.85DY	0.45UY
PHENOL MG/KG	3.7UY	1.1UY	3.5UY	0.38UY	0.66UY	0.45UY
PYRENE MG/KG	3.7UY	1.1UY	3.5UY	0.39DYJ	1.1DYJ	0.45UY

ata Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SEDIMENTS
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:	12012	12013	12014	12015	12016	12017
SUB-SAMPLE ID:	00000	00000	DUP	00000	00000	00000
STATION ID:	BBC002	BBC003	BBC003	BBC004	BBC005	BBC006
SAMPLE DATE:	04/19/1991	04/19/1991	04/19/1991	04/22/1991	04/19/1991	04/22/1991
SAMPLE TIME:	10:50	13:30	13:30	09:15	15:30	10:40
SAMPLE MATRIX:	SD	SD	SD	SD	SD	SD
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
1,2,4-TRICHLOROBENZENE MG/KG	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY	0.42UY
1,2-DICHLOROBENZENE MG/KG	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY	0.42UY
1,3-DICHLOROBENZENE MG/KG	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY	0.42UY
1,4-DICHLOROBENZENE MG/KG	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY	0.42UY
2,4,5-TRICHLOROPHENOL MG/KG	2UY	2UY	2UY	2UY	2UY	2UY
2,4,6-TRICHLOROPHENOL MG/KG	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY	0.42UY
2,4-DICHLOROPHENOL MG/KG	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY	0.42UY
2,4-DIMETHYLPHENOL MG/KG	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY	0.42UY
2,4-DINITROPHENOL MG/KG	2UY	2UY	2UY	2UY	2UY	2UY
2,4-DINITROTOLUENE MG/KG	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY	0.42UY
2,6-DINITROTOLUENE MG/KG	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY	0.42UY
2-CHLORONAPHTHALENE MG/KG	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY	0.42UY
2-CHLOROPHENOL MG/KG	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY	0.42UY
2-METHYLNAPHTHALENE MG/KG	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY	0.42UY
2-METHYLPHENOL MG/KG	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY	0.42UY
2-NITROANILINE MG/KG	2UY	2UY	2UY	2UY	2UY	2UY
2-NITROPHENOL MG/KG	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY	0.42UY
3,3'-DICHLOROBENZIDINE MG/KG	0.82UY	0.82UY	0.84UY	0.82UY	0.82UY	0.84UY
3-NITROANILINE MG/KG	2UY	2UY	2UY	2UY	2UY	2UY
4,6-DINITRO-2-METHYLPHENOL MG/KG	2UY	2UY	2UY	2UY	2UY	2UY
4-BROMOPHENYL PHENYL ETHER MG/KG	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY	0.42UY
4-CHLORO-3-METHYLPHENOL MG/KG	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY	0.42UY
4-CHLOROANILINE MG/KG	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY	0.42UY
4-CHLOROPHENYL PHENYL ETHER MG/KG	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY	0.42UY
4-METHYLPHENOL MG/KG	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY	0.42UY
4-NITROANILINE MG/KG	2UY	2UY	2UY	2UY	2UY	2UY
4-NITROPHENOL MG/KG	2UY	2UY	2UY	2UY	2UY	2UY
ACENAPHTHENE MG/KG	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY	0.42UY
ACENAPHTHYLENE MG/KG	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY	0.42UY
ANTHRACENE MG/KG	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY	0.42UY

ata Format: value + detected flag + validated flag + qualifiers

DMS CHEMICAL OBSERVATIONS MATRIX
EDIMENTS
ADUCAH PHASE II
AMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		12012	12013	12014	12015	12016	12017
SUB-SAMPLE ID:		00000	00000	DUP	00000	00000	00000
STATION ID:		BBC002	BBC003	BBC003	BBC004	BBC005	BBC006
SAMPLE DATE:		04/19/1991	04/19/1991	04/19/1991	04/22/1991	04/19/1991	04/22/1991
SAMPLE TIME:		10:50	13:30	13:30	09:15	15:30	10:40
SAMPLE MATRIX:		SD	SD	SD	SD	SD	SD
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
BENZO(A)ANTHRACENE	MG/KG	0.41UY	0.41UY	0.42UY	0.16DYJ	0.41UY	0.42UY
BENZO(A)PYRENE	MG/KG	0.41UY	0.41UY	0.42UY	0.14DYJ	0.41UY	0.42UY
BENZO(B)FLUORANTHENE	MG/KG	0.41UY	0.41UY	0.42UY	0.22DYJ	0.41UY	0.42UY
BENZO(GHI)PERYLENE	MG/KG	0.41UY	0.41UY	0.42UY	0.27DYJ	0.41UY	0.42UY
BENZO(K)FLUORANTHENE	MG/KG	0.41UY	0.41UY	0.42UY	0.24DYJ	0.41UY	0.42UY
BENZOIC ACID	MG/KG	2UY	2UY	2UY	2UY	2UY	2UY
BENZYL ALCOHOL	MG/KG	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY	0.42UY
BENZYL BUTYL PHTHALATE	MG/KG	0.41UY	0.41UY	0.42UY	0.15DYJ	0.41UY	0.42UY
BIS(2-CHLOROETHOXY) METHANE	MG/KG	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY	0.42UY
BIS(2-CHLOROETHYL)ETHER	MG/KG	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY	0.42UY
BIS(2-CHLOROISOPROPYL) ETHER	MG/KG	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY	0.42UY
BIS(2-ETHYLHEXYL)PHTHALATE	MG/KG	0.41UY	0.41UY	0.42UY	0.18DYJ	0.41UY	0.42UY
CHRYSENE	MG/KG	0.41UY	0.41UY	0.42UY	0.26DYJ	0.41UY	0.42UY
DI-N-BUTYL PHTHALATE	MG/KG	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY	0.42UY
DI-N-OCTYL PHTHALATE	MG/KG	0.41UY	0.41UY	0.42UY	0.18DYJ	0.41UY	0.42UY
DIBENZO(A,H)ANTHRACENE	MG/KG	0.41UY	0.41UY	0.42UY	0.26DYJ	0.41UY	0.42UY
DIBENZOFURAN	MG/KG	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY	0.42UY
DIETHYL PHTHALATE	MG/KG	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY	0.42UY
DIMETHYL PHTHALATE	MG/KG	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY	0.42UY
FLUORANTHENE	MG/KG	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY	0.42UY
FLUORENE	MG/KG	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY	0.42UY
HEXACHLOROBENZENE	MG/KG	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY	0.42UY
HEXACHLOROBUTADIENE	MG/KG	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY	0.42UY
HEXACHLOROCYCLOPENTADIENE	MG/KG	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY	0.42UY
HEXACHLOROETHANE	MG/KG	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY	0.42UY
INDENO(1,2,3-CD)PYRENE	MG/KG	0.41UY	0.41UY	0.42UY	0.27DYJ	0.41UY	0.42UY
ISOPHORONE	MG/KG	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY	0.42UY
N-NITROSO-DI-N-PROPYLAMINE	MG/KG	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY	0.42UY
N-NITROSODIPHENYLAMINE	MG/KG	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY	0.42UY
NAPHTHALENE	MG/KG	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY	0.42UY

ata Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SEDIMENTS
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:	12012	12013	12014	12015	12016	12017
SUB-SAMPLE ID:	00000	00000	DUP	00000	00000	00000
STATION ID:	BBC002	BBC003	BBC003	BBC004	BBC005	BBC006
SAMPLE DATE:	04/19/1991	04/19/1991	04/19/1991	04/22/1991	04/19/1991	04/22/1991
SAMPLE TIME:	10:50	13:30	13:30	09:15	15:30	10:40
SAMPLE MATRIX:	SD	SD	SD	SD	SD	SD
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
NITROBENZENE MG/KG	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY	0.42UY
PENTACHLOROPHENOL MG/KG	2UY	2UY	2UY	0.14DYJ	2UY	2UY
PHENANTHRENE MG/KG	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY	0.42UY
PHENOL MG/KG	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY	0.42UY
PYRENE MG/KG	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY	0.42UY

Data Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:	12018	12019	12020	12021	12022	12023
SUB-SAMPLE ID:	00000	00000	00000	00000	00000	00000
STATION ID:	BBC007	BBC008	BBC009	LBC009	LBC002	LBC003
SAMPLE DATE:	04/22/1991	04/16/1991	04/22/1991	04/22/1991	04/24/1991	04/23/1991
SAMPLE TIME:	14:15	09:00	11:30	16:15	08:45	15:10
SAMPLE MATRIX:	SD	SD	SD	SD	SD	SD
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
1,2,4-TRICHLOROBENZENE MG/KG	0.4UY	0.42UY	0.43UY	0.41UY	0.51UY	0.52UY
1,2-DICHLOROBENZENE MG/KG	0.4UY	0.42UY	0.43UY	0.41UY	0.51UY	0.52UY
1,3-DICHLOROBENZENE MG/KG	0.4UY	0.42UY	0.43UY	0.41UY	0.51UY	0.52UY
1,4-DICHLOROBENZENE MG/KG	0.4UY	0.42UY	0.43UY	0.41UY	0.51UY	0.52UY
2,4,5-TRICHLOROPHENOL MG/KG	2UY	2.1UY	2.1UY	2UY	2.5UY	2.5UY
2,4,6-TRICHLOROPHENOL MG/KG	0.4UY	0.42UY	0.43UY	0.41UY	0.51UY	0.52UY
2,4-DICHLOROPHENOL MG/KG	0.4UY	0.42UY	0.43UY	0.41UY	0.51UY	0.52UY
2,4-DIMETHYLPHENOL MG/KG	0.4UY	0.42UY	0.43UY	0.41UY	0.51UY	0.52UY
2,4-DINITROPHENOL MG/KG	2UY	2.1UY	2.1UY	2UY	2.5UY	2.5UY
2,4-DINITROTOLUENE MG/KG	0.4UY	0.42UY	0.43UY	0.41UY	0.51UY	0.52UY
2,6-DINITROTOLUENE MG/KG	0.4UY	0.42UY	0.43UY	0.41UY	0.51UY	0.52UY
2-CHLORONAPHTHALENE MG/KG	0.4UY	0.42UY	0.43UY	0.41UY	0.51UY	0.52UY
2-CHLOROPHENOL MG/KG	0.4UY	0.42UY	0.43UY	0.41UY	0.51UY	0.52UY
2-METHYLNAPHTHALENE MG/KG	0.4UY	0.42UY	0.43UY	0.41UY	0.51UY	0.52UY
2-METHYLPHENOL MG/KG	0.4UY	0.42UY	0.43UY	0.41UY	0.51UY	0.52UY
2-NITROANILINE MG/KG	2UY	2.1UY	2.1UY	2UY	2.5UY	2.5UY
2-NITROPHENOL MG/KG	0.4UY	0.42UY	0.43UY	0.41UY	0.51UY	0.52UY
3,3'-DICHLOROBENZIDINE MG/KG	0.81UY	0.85UY	0.86UY	0.82UY	1UY	1UY
3-NITROANILINE MG/KG	2UY	2.1UY	2.1UY	2UY	2.5UY	2.5UY
4,6-DINITRO-2-METHYLPHENOL MG/KG	2UY	2.1UY	2.1UY	2UY	2.5UY	2.5UY
4-BROMOPHENYL PHENYL ETHER MG/KG	0.4UY	0.42UY	0.43UY	0.41UY	0.51UY	0.52UY
4-CHLORO-3-METHYLPHENOL MG/KG	0.4UY	0.42UY	0.43UY	0.41UY	0.51UY	0.52UY
4-CHLOROANILINE MG/KG	0.4UY	0.42UY	0.43UY	0.41UY	0.51UY	0.52UY
4-CHLOROPHENYL PHENYL ETHER MG/KG	0.4UY	0.42UY	0.43UY	0.41UY	0.51UY	0.52UY
4-METHYLPHENOL MG/KG	0.4UY	0.42UY	0.43UY	0.41UY	0.51UY	0.52UY
4-NITROANILINE MG/KG	2UY	2.1UY	2.1UY	2UY	2.5UY	2.5UY
4-NITROPHENOL MG/KG	2UY	2.1UY	2.1UY	2UY	2.5UY	2.5UY
ACENAPHTHENE MG/KG	0.4UY	0.42UY	0.43UY	0.41UY	0.51UY	0.52UY
ACENAPHTHYLENE MG/KG	0.4UY	0.42UY	0.43UY	0.41UY	0.51UY	0.52UY
ANTHRACENE MG/KG	0.4UY	0.42UY	0.43UY	0.41UY	0.51UY	0.52UY

ata Format: value + detected flag + validated flag + qualifiers

DMS CHEMICAL OBSERVATIONS MATRIX
EDIMENTS
ADUCAH PHASE II
AMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		12018	12019	12020	12021	12022	12023
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		BBC007	BBC008	BBC009	LBC009	LBC002	LBC003
SAMPLE DATE:		04/22/1991	04/16/1991	04/22/1991	04/22/1991	04/24/1991	04/23/1991
SAMPLE TIME:		14:15	09:00	11:30	16:15	08:45	15:10
SAMPLE MATRIX:		SD	SD	SD	SD	SD	SD
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
BENZO(A)ANTHRACENE	MG/KG	0.4UY	0.42UY	0.43UY	0.41UY	0.51UY	0.52UY
BENZO(A)PYRENE	MG/KG	0.4UY	0.42UY	0.43UY	0.41UY	0.51UY	0.52UY
BENZO(B)FLUORANTHENE	MG/KG	0.4UY	0.42UY	0.43UY	0.41UY	0.51UY	0.52UY
BENZO(GHI)PERYLENE	MG/KG	0.4UY	0.42UY	0.43UY	0.41UY	0.51UY	0.52UY
BENZO(K)FLUORANTHENE	MG/KG	0.4UY	0.42UY	0.43UY	0.41UY	0.51UY	0.52UY
BENZOIC ACID	MG/KG	2UY	2.1UY	2.1UY	2UY	2.5UY	2.5UY
BENZYL ALCOHOL	MG/KG	0.4UY	0.42UY	0.43UY	0.41UY	0.51UY	0.52UY
BENZYL BUTYL PHTHALATE	MG/KG	0.4UY	0.42UY	0.43UY	0.41UY	0.51UY	0.52UY
BIS(2-CHLOROETHOXY) METHANE	MG/KG	0.4UY	0.42UY	0.43UY	0.41UY	0.51UY	0.52UY
BIS(2-CHLOROETHYL)ETHER	MG/KG	0.4UY	0.42UY	0.43UY	0.41UY	0.51UY	0.52UY
BIS(2-CHLOROISOPROPYL) ETHER	MG/KG	0.4UY	0.42UY	0.43UY	0.41UY	0.51UY	0.52UY
BIS(2-ETHYLHEXYL)PHTHALATE	MG/KG	0.4UY	0.42UY	0.43UY	0.41UY	0.51UY	0.52UY
CHRYSENE	MG/KG	0.4UY	0.42UY	0.43UY	0.14DYJ	0.51UY	0.52UY
DI-N-BUTYL PHTHALATE	MG/KG	0.4UY	0.42UY	0.43UY	0.41UY	0.51UY	0.52UY
DI-N-OCTYL PHTHALATE	MG/KG	0.4UY	0.42UY	0.43UY	0.41UY	0.51UY	0.52UY
DIBENZO(A,H)ANTHRACENE	MG/KG	0.4UY	0.42UY	0.43UY	0.41UY	0.51UY	0.52UY
DIBENZOFURAN	MG/KG	0.4UY	0.42UY	0.43UY	0.41UY	0.51UY	0.52UY
DIETHYL PHTHALATE	MG/KG	0.4UY	0.42UY	0.43UY	0.41UY	0.51UY	0.52UY
DIMETHYL PHTHALATE	MG/KG	0.4UY	0.42UY	0.43UY	0.41UY	0.51UY	0.52UY
FLUORANTHENE	MG/KG	0.4UY	0.42UY	0.43UY	0.26DYJ	0.51UY	0.22DYJ
FLUORENE	MG/KG	0.4UY	0.42UY	0.43UY	0.41UY	0.51UY	0.52UY
HEXACHLOROBENZENE	MG/KG	0.4UY	0.42UY	0.43UY	0.41UY	0.51UY	0.52UY
HEXACHLOROBUTADIENE	MG/KG	0.4UY	0.42UY	0.43UY	0.41UY	0.51UY	0.52UY
HEXACHLOROCYCLOPENTADIENE	MG/KG	0.4UY	0.42UY	0.43UY	0.41UY	0.51UY	0.52UY
HEXACHLOROETHANE	MG/KG	0.4UY	0.42UY	0.43UY	0.41UY	0.51UY	0.52UY
INDENO(1,2,3-CD)PYRENE	MG/KG	0.4UY	0.42UY	0.43UY	0.41UY	0.51UY	0.52UY
ISOPHORONE	MG/KG	0.4UY	0.42UY	0.43UY	0.41UY	0.51UY	0.52UY
N-NITROSO-DI-N-PROPYLAMINE	MG/KG	0.4UY	0.42UY	0.43UY	0.41UY	0.51UY	0.52UY
N-NITROSODIPHENYLAMINE	MG/KG	0.4UY	0.42UY	0.43UY	0.41UY	0.51UY	0.52UY
NAPHTHALENE	MG/KG	0.4UY	0.42UY	0.43UY	0.41UY	0.51UY	0.52UY

ata Format: value + detected flag + validated flag + qualifiers

DMS CHEMICAL OBSERVATIONS MATRIX
EDIMENTS
ADUCAH PHASE II
AMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:	12018	12019	12020	12021	12022	12023
SUB-SAMPLE ID:	00000	00000	00000	00000	00000	00000
STATION ID:	BBC007	BBC008	BBC009	LBC009	LBC002	LBC003
SAMPLE DATE:	04/22/1991	04/16/1991	04/22/1991	04/22/1991	04/24/1991	04/23/1991
SAMPLE TIME:	14:15	09:00	11:30	16:15	08:45	15:10
SAMPLE MATRIX:	SD	SD	SD	SD	SD	SD
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
NITROBENZENE MG/KG	0.4UY	0.42UY	0.43UY	0.41UY	0.51UY	0.52UY
PENTACHLOROPHENOL MG/KG	2UY	2.1UY	2.1UY	2UY	2.5UY	2.5UY
PHENANTHRENE MG/KG	0.4UY	0.42UY	0.43UY	0.21DYJ	0.51UY	0.52UY
PHENOL MG/KG	0.4UY	0.42UY	0.43UY	0.41UY	0.51UY	0.52UY
PYRENE MG/KG	0.4UY	0.42UY	0.43UY	0.17DYJ	0.51UY	0.19DYJ

)ata Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:	12024	12025	12026	12027	12028	12029
SUB-SAMPLE ID:	00000	DUP	00000	00000	00000	00000
STATION ID:	LBC004	LBC004	LBC005	LBC006	LBC007	LBC008
SAMPLE DATE:	04/23/1991	04/23/1991	04/24/1991	04/24/1991	04/24/1991	04/25/1991
SAMPLE TIME:	13:30	13:30	13:00	14:20	10:00	08:30
SAMPLE MATRIX:	SD	SD	SD	SD	SD	SD
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
1,2,4-TRICHLOROBENZENE MG/KG	0.41UY	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY
1,2-DICHLOROBENZENE MG/KG	0.41UY	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY
1,3-DICHLOROBENZENE MG/KG	0.41UY	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY
1,4-DICHLOROBENZENE MG/KG	0.41UY	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY
2,4,5-TRICHLOROPHENOL MG/KG	2UY	2UY	2UY	2.1UY	2UY	2UY
2,4,6-TRICHLOROPHENOL MG/KG	0.41UY	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY
2,4-DICHLOROPHENOL MG/KG	0.41UY	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY
2,4-DIMETHYLPHENOL MG/KG	0.41UY	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY
2,4-DINITROPHENOL MG/KG	2UY	2UY	2UY	2.1UY	2UY	2UY
2,4-DINITROTOLUENE MG/KG	0.41UY	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY
2,6-DINITROTOLUENE MG/KG	0.41UY	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY
2-CHLORONAPHTHALENE MG/KG	0.41UY	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY
2-CHLOROPHENOL MG/KG	0.41UY	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY
2-METHYLNAPHTHALENE MG/KG	0.41UY	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY
2-METHYLPHENOL MG/KG	0.41UY	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY
2-NITROANILINE MG/KG	2UY	2UY	2UY	2.1UY	2UY	2UY
2-NITROPHENOL MG/KG	0.41UY	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY
3,3'-DICHLOROBENZIDINE MG/KG	0.82UY	0.82UY	0.82UY	0.85UY	0.82UY	0.82UY
3-NITROANILINE MG/KG	2UY	2UY	2UY	2.1UY	2UY	2UY
4,6-DINITRO-2-METHYLPHENOL MG/KG	2UY	2UY	2UY	2.1UY	2UY	2UY
4-BROMOPHENYL PHENYL ETHER MG/KG	0.41UY	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY
4-CHLORO-3-METHYLPHENOL MG/KG	0.41UY	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY
4-CHLOROANILINE MG/KG	0.41UY	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY
4-CHLOROPHENYL PHENYL ETHER MG/KG	0.41UY	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY
4-METHYLPHENOL MG/KG	0.41UY	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY
4-NITROANILINE MG/KG	2UY	2UY	2UY	2.1UY	2UY	2UY
4-NITROPHENOL MG/KG	2UY	2UY	2UY	2.1UY	2UY	2UY
ACENAPHTHENE MG/KG	0.41UY	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY
ACENAPHTHYLENE MG/KG	0.41UY	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY
ANTHRACENE MG/KG	0.41UY	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY

Data Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:		12024	12025	12026	12027	12028	12029
SUB-SAMPLE ID:		00000	DUP	00000	00000	00000	00000
STATION ID:		LBC004	LBC004	LBC005	LBC006	LBC007	LBC008
SAMPLE DATE:		04/23/1991	04/23/1991	04/24/1991	04/24/1991	04/24/1991	04/25/1991
SAMPLE TIME:		13:30	13:30	13:00	14:20	10:00	08:30
SAMPLE MATRIX:		SD	SD	SD	SD	SD	SD
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
BENZO(A)ANTHRACENE	MG/KG	0.41UY	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY
BENZO(A)PYRENE	MG/KG	0.41UY	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY
BENZO(B)FLUORANTHENE	MG/KG	0.41UY	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY
BENZO(GHI)PERYLENE	MG/KG	0.41UY	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY
BENZO(K)FLUORANTHENE	MG/KG	0.41UY	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY
BENZOIC ACID	MG/KG	2UY	2UY	2UY	2.1UY	2UY	2UY
BENZYL ALCOHOL	MG/KG	0.41UY	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY
BENZYL BUTYL PHTHALATE	MG/KG	0.41UY	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY
BIS(2-CHLOROETHOXY) METHANE	MG/KG	0.41UY	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY
BIS(2-CHLOROETHYL)ETHER	MG/KG	0.41UY	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY
BIS(2-CHLOROISOPROPYL) ETHER	MG/KG	0.41UY	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY
BIS(2-ETHYLHEXYL)PHTHALATE	MG/KG	0.41UY	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY
CHRYSENE	MG/KG	0.41UY	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY
DI-N-BUTYL PHTHALATE	MG/KG	0.41UY	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY
DI-N-OCTYL PHTHALATE	MG/KG	0.41UY	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY
DIBENZO(A,H)ANTHRACENE	MG/KG	0.41UY	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY
DIBENZOFURAN	MG/KG	0.41UY	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY
DIETHYL PHTHALATE	MG/KG	0.41UY	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY
DIMETHYL PHTHALATE	MG/KG	0.41UY	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY
FLUORANTHENE	MG/KG	0.41UY	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY
FLUORENE	MG/KG	0.41UY	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY
HEXACHLOROBENZENE	MG/KG	0.41UY	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY
HEXACHLOROBUTADIENE	MG/KG	0.41UY	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY
HEXACHLOROCYCLOPENTADIENE	MG/KG	0.41UY	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY
HEXACHLOROETHANE	MG/KG	0.41UY	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY
INDENO(1,2,3-CD)PYRENE	MG/KG	0.41UY	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY
ISOPHORONE	MG/KG	0.41UY	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY
N-NITROSO-DI-N-PROPYLAMINE	MG/KG	0.41UY	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY
N-NITROSODIPHENYLAMINE	MG/KG	0.41UY	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY
NAPHTHALENE	MG/KG	0.41UY	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY

)ata Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SEDIMENTS
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:	12024	12025	12026	12027	12028	12029
SUB-SAMPLE ID:	00000	DUP	00000	00000	00000	00000
STATION ID:	LBC004	LBC004	LBC005	LBC006	LBC007	LBC008
SAMPLE DATE:	04/23/1991	04/23/1991	04/24/1991	04/24/1991	04/24/1991	04/25/1991
SAMPLE TIME:	13:30	13:30	13:00	14:20	10:00	08:30
SAMPLE MATRIX:	SD	SD	SD	SD	SD	SD
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
NITROBENZENE MG/KG	0.41UY	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY
PENTACHLOROPHENOL MG/KG	2UY	2UY	2UY	2.1UY	2UY	2UY
PHENANTHRENE MG/KG	0.41UY	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY
PHENOL MG/KG	0.41UY	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY
PYRENE MG/KG	0.41UY	0.41UY	0.41UY	0.42UY	0.41UY	0.41UY

Data Format: value + detected flag + validated flag + qualifiers

DMS CHEMICAL OBSERVATIONS MATRIX
EDIMENTS
ADUCAH PHASE II
AMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:	12031	12032	12033	12034	12035	12036
SUB-SAMPLE ID:	00000	00000	00000	DUP	00000	00000
STATION ID:	LBC001	LBC010	NS001	NS002	NS002	NS003
SAMPLE DATE:	04/23/1991	04/25/1991	04/18/1991	04/17/1991	04/17/1991	04/17/1991
SAMPLE TIME:	10:20	10:00	08:45	10:30	10:30	08:45
SAMPLE MATRIX:	SD	SD	SD	SD	SD	SD
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
1,2,4-TRICHLOROBENZENE MG/KG	0.49UY	0.41UY	0.69UY	0.52UY	0.54UY	0.49UY
1,2-DICHLOROBENZENE MG/KG	0.49UY	0.41UY	0.69UY	0.52UY	0.54UY	0.49UY
1,3-DICHLOROBENZENE MG/KG	0.49UY	0.41UY	0.69UY	0.52UY	0.54UY	0.49UY
1,4-DICHLOROBENZENE MG/KG	0.49UY	0.41UY	0.69UY	0.52UY	0.54UY	0.49UY
2,4,5-TRICHLOROPHENOL MG/KG	2.4UY	2UY	3.3UY	2.5UY	2.6UY	2.4UY
2,4,6-TRICHLOROPHENOL MG/KG	0.49UY	0.41UY	0.69UY	0.52UY	0.54UY	0.49UY
2,4-DICHLOROPHENOL MG/KG	0.49UY	0.41UY	0.69UY	0.52UY	0.54UY	0.49UY
2,4-DIMETHYLPHENOL MG/KG	0.49UY	0.41UY	0.69UY	0.52UY	0.54UY	0.49UY
2,4-DINITROPHENOL MG/KG	2.4UY	2UY	3.3UY	2.5UY	2.6UY	2.4UY
2,4-DINITROTOLUENE MG/KG	0.49UY	0.41UY	0.69UY	0.52UY	0.54UY	0.49UY
2,6-DINITROTOLUENE MG/KG	0.49UY	0.41UY	0.69UY	0.52UY	0.54UY	0.49UY
2-CHLORONAPHTHALENE MG/KG	0.49UY	0.41UY	0.69UY	0.52UY	0.54UY	0.49UY
2-CHLOROPHENOL MG/KG	0.49UY	0.41UY	0.69UY	0.52UY	0.54UY	0.49UY
2-METHYLNAPHTHALENE MG/KG	0.49UY	0.41UY	0.69UY	0.52UY	0.54UY	0.49UY
2-METHYLPHENOL MG/KG	0.49UY	0.41UY	0.69UY	0.52UY	0.54UY	0.49UY
2-NITROANILINE MG/KG	2.4UY	2UY	3.3UY	2.5UY	2.6UY	2.4UY
2-NITROPHENOL MG/KG	0.49UY	0.41UY	0.69UY	0.52UY	0.54UY	0.49UY
3,3'-DICHLOROBENZIDINE MG/KG	0.99UY	0.82UY	1.4UY	1UY	1.1UY	0.97UY
3-NITROANILINE MG/KG	2.4UY	2UY	3.3UY	2.5UY	2.6UY	2.4UY
4,6-DINITRO-2-METHYLPHENOL MG/KG	2.4UY	2UY	3.3UY	2.5UY	2.6UY	2.4UY
4-BROMOPHENYL PHENYL ETHER MG/KG	0.49UY	0.41UY	0.69UY	0.52UY	0.54UY	0.49UY
4-CHLORO-3-METHYLPHENOL MG/KG	0.49UY	0.41UY	0.69UY	0.52UY	0.54UY	0.49UY
4-CHLOROANILINE MG/KG	0.49UY	0.41UY	0.69UY	0.52UY	0.54UY	0.49UY
4-CHLOROPHENYL PHENYL ETHER MG/KG	0.49UY	0.41UY	0.69UY	0.52UY	0.54UY	0.49UY
4-METHYLPHENOL MG/KG	0.49UY	0.41UY	0.69UY	0.52UY	0.54UY	0.49UY
4-NITROANILINE MG/KG	2.4UY	2UY	3.3UY	2.5UY	2.6UY	2.4UY
4-NITROPHENOL MG/KG	2.4UY	2UY	3.3UY	2.5UY	2.6UY	2.4UY
ACENAPHTHENE MG/KG	0.49UY	0.41UY	0.69UY	0.52UY	0.54UY	0.49UY
ACENAPHTHYLENE MG/KG	0.49UY	0.41UY	0.69UY	0.52UY	0.54UY	0.49UY
ANTHRACENE MG/KG	0.49UY	0.41UY	0.69UY	0.52UY	0.54UY	0.49UY

ata Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SEDIMENTS
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		12031	12032	12033	12034	12035	12036
SUB-SAMPLE ID:		00000	00000	00000	DUP	00000	00000
STATION ID:		LBC001	LBC010	NS001	NS002	NS002	NS003
SAMPLE DATE:		04/23/1991	04/25/1991	04/18/1991	04/17/1991	04/17/1991	04/17/1991
SAMPLE TIME:		10:20	10:00	08:45	10:30	10:30	08:45
SAMPLE MATRIX:		SD	SD	SD	SD	SD	SD
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
BENZO(A)ANTHRACENE	MG/KG	0.49UY	0.41UY	0.69UY	0.52UY	0.21DYJ	0.49UY
BENZO(A)PYRENE	MG/KG	0.49UY	0.41UY	0.69UY	0.52UY	0.18DYJ	0.49UY
BENZO(B)FLUORANTHENE	MG/KG	0.49UY	0.41UY	0.69UY	0.52UY	0.25DYJ	0.49UY
BENZO(GHI)PERYLENE	MG/KG	0.49UY	0.41UY	0.69UY	0.52UY	0.54UY	0.49UY
BENZO(K)FLUORANTHENE	MG/KG	0.49UY	0.41UY	0.69UY	0.52UY	0.54UY	0.49UY
BENZOIC ACID	MG/KG	2.4UY	2UY	3.3UY	2.5UY	2.6UY	2.4UY
BENZYL ALCOHOL	MG/KG	0.49UY	0.41UY	0.69UY	0.52UY	0.54UY	0.49UY
BENZYL BUTYL PHTHALATE	MG/KG	0.49UY	0.41UY	0.69UY	0.52UY	0.54UY	0.49UY
BIS(2-CHLOROETHOXY) METHANE	MG/KG	0.49UY	0.41UY	0.69UY	0.52UY	0.54UY	0.49UY
BIS(2-CHLOROETHYL)ETHER	MG/KG	0.49UY	0.41UY	0.69UY	0.52UY	0.54UY	0.49UY
BIS(2-CHLOROISOPROPYL) ETHER	MG/KG	0.49UY	0.41UY	0.69UY	0.52UY	0.54UY	0.49UY
BIS(2-ETHYLHEXYL)PHTHALATE	MG/KG	0.49UY	0.41UY	0.36DYJ	0.52UY	0.54UY	0.49UY
CHRYSENE	MG/KG	0.49UY	0.41UY	0.69UY	0.52UY	0.2DYJ	0.49UY
DI-N-BUTYL PHTHALATE	MG/KG	0.49UY	0.41UY	0.69UY	0.52UY	0.54UY	0.49UY
DI-N-OCTYL PHTHALATE	MG/KG	0.49UY	0.41UY	0.69UY	0.52UY	0.54UY	0.49UY
DIBENZO(A,H)ANTHRACENE	MG/KG	0.49UY	0.41UY	0.69UY	0.52UY	0.54UY	0.49UY
DIBENZOFURAN	MG/KG	0.49UY	0.41UY	0.69UY	0.52UY	0.54UY	0.49UY
DIETHYL PHTHALATE	MG/KG	0.49UY	0.41UY	0.69UY	0.52UY	0.54UY	0.49UY
DIMETHYL PHTHALATE	MG/KG	0.49UY	0.41UY	0.69UY	0.52UY	0.54UY	0.49UY
FLUORANTHENE	MG/KG	0.49UY	0.41UY	0.69UY	0.52UY	0.48DYJ	0.49UY
FLUORENE	MG/KG	0.49UY	0.41UY	0.69UY	0.52UY	0.54UY	0.49UY
HEXACHLOROBENZENE	MG/KG	0.49UY	0.41UY	0.69UY	0.52UY	0.54UY	0.49UY
HEXACHLOROBUTADIENE	MG/KG	0.49UY	0.41UY	0.69UY	0.52UY	0.54UY	0.49UY
HEXACHLOROCYCLOPENTADIENE	MG/KG	0.49UY	0.41UY	0.69UY	0.52UY	0.54UY	0.49UY
HEXACHLOROETHANE	MG/KG	0.49UY	0.41UY	0.69UY	0.52UY	0.54UY	0.49UY
INDENO(1,2,3-CD)PYRENE	MG/KG	0.49UY	0.41UY	0.69UY	0.52UY	0.17DYJ	0.49UY
ISOPHORONE	MG/KG	0.49UY	0.41UY	0.69UY	0.52UY	0.54UY	0.49UY
N-NITROSO-DI-N-PROPYLAMINE	MG/KG	0.49UY	0.41UY	0.69UY	0.52UY	0.54UY	0.49UY
N-NITROSODIPHENYLAMINE	MG/KG	0.49UY	0.41UY	0.69UY	0.52UY	0.54UY	0.49UY
NAPHTHALENE	MG/KG	0.49UY	0.41UY	0.69UY	0.52UY	0.54UY	0.49UY

)ata Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SEDIMENTS
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:	12031	12032	12033	12034	12035	12036
SUB-SAMPLE ID:	00000	00000	00000	DUP	00000	00000
STATION ID:	LBC001	LBC010	NS001	NS002	NS002	NS003
SAMPLE DATE:	04/23/1991	04/25/1991	04/18/1991	04/17/1991	04/17/1991	04/17/1991
SAMPLE TIME:	10:20	10:00	08:45	10:30	10:30	08:45
SAMPLE MATRIX:	SD	SD	SD	SD	SD	SD
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
NITROBENZENE MG/KG	0.49UY	0.41UY	0.69UY	0.52UY	0.54UY	0.49UY
PENTACHLOROPHENOL MG/KG	2.4UY	2UY	3.3UY	2.5UY	2.6UY	2.4UY
PHENANTHRENE MG/KG	0.49UY	0.41UY	0.69UY	0.52UY	0.39DYJ	0.49UY
PHENOL MG/KG	0.49UY	0.41UY	0.69UY	0.52UY	0.54UY	0.49UY
PYRENE MG/KG	0.49UY	0.41UY	0.69UY	0.52UY	0.41DYJ	0.49UY

Data Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:		12037	12038	12039	12040	12041	12042
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		NS004	NS005	OF1	OF2	FP001	FP002
SAMPLE DATE:		04/16/1991	04/16/1991	04/17/1991	04/17/1991	04/22/1991	04/16/1991
SAMPLE TIME:		15:30	14:45	13:45	15:00	17:00	11:10
SAMPLE MATRIX:		SD	SD	SD	SD	SD	SD
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,2,4-TRICHLOROBENZENE	MG/KG	0.46UY	0.56UY	0.58UY	0.63UY	0.38UY	0.5UY
1,2-DICHLOROBENZENE	MG/KG	0.46UY	0.56UY	0.58UY	0.63UY	0.38UY	0.5UY
1,3-DICHLOROBENZENE	MG/KG	0.46UY	0.56UY	0.58UY	0.63UY	0.38UY	0.5UY
1,4-DICHLOROBENZENE	MG/KG	0.46UY	0.56UY	0.58UY	0.63UY	0.38UY	0.5UY
2,4,5-TRICHLOROPHENOL	MG/KG	2.2UY	2.7UY	2.8UY	3.1UY	1.8UY	2.4UY
2,4,6-TRICHLOROPHENOL	MG/KG	0.46UY	0.56UY	0.58UY	0.63UY	0.38UY	0.5UY
2,4-DICHLOROPHENOL	MG/KG	0.46UY	0.56UY	0.58UY	0.63UY	0.38UY	0.5UY
2,4-DIMETHYLPHENOL	MG/KG	0.46UY	0.56UY	0.58UY	0.63UY	0.38UY	0.5UY
2,4-DINITROPHENOL	MG/KG	2.2UY	2.7UY	2.8UY	3.1UY	1.8UY	2.4UY
2,4-DINITROTOLUENE	MG/KG	0.46UY	0.56UY	0.58UY	0.63UY	0.38UY	0.5UY
2,6-DINITROTOLUENE	MG/KG	0.46UY	0.56UY	0.58UY	0.63UY	0.38UY	0.5UY
2-CHLORONAPHTHALENE	MG/KG	0.46UY	0.56UY	0.58UY	0.63UY	0.38UY	0.5UY
2-CHLOROPHENOL	MG/KG	0.46UY	0.56UY	0.58UY	0.63UY	0.38UY	0.5UY
2-METHYLNAPHTHALENE	MG/KG	0.46UY	0.56UY	0.58UY	0.63UY	0.38UY	0.5UY
2-METHYLPHENOL	MG/KG	0.46UY	0.56UY	0.58UY	0.63UY	0.38UY	0.5UY
2-NITROANILINE	MG/KG	2.2UY	2.7UY	2.8UY	3.1UY	1.8UY	2.4UY
2-NITROPHENOL	MG/KG	0.46UY	0.56UY	0.58UY	0.63UY	0.38UY	0.5UY
3,3'-DICHLOROBENZIDINE	MG/KG	0.92UY	1.1UY	1.2UY	1.3UY	0.76UY	1UY
3-NITROANILINE	MG/KG	2.2UY	2.7UY	2.8UY	3.1UY	1.8UY	2.4UY
4,6-DINITRO-2-METHYLPHENOL	MG/KG	2.2UY	2.7UY	2.8UY	3.1UY	1.8UY	2.4UY
4-BROMOPHENYL PHENYL ETHER	MG/KG	0.46UY	0.56UY	0.58UY	0.63UY	0.38UY	0.5UY
4-CHLORO-3-METHYLPHENOL	MG/KG	0.46UY	0.56UY	0.58UY	0.63UY	0.38UY	0.5UY
4-CHLOROANILINE	MG/KG	0.46UY	0.56UY	0.58UY	0.63UY	0.38UY	0.5UY
4-CHLOROPHENYL PHENYL ETHER	MG/KG	0.46UY	0.56UY	0.58UY	0.63UY	0.38UY	0.5UY
4-METHYLPHENOL	MG/KG	0.46UY	0.56UY	0.58UY	0.63UY	0.38UY	0.5UY
4-NITROANILINE	MG/KG	2.2UY	2.7UY	2.8UY	3.1UY	1.8UY	2.4UY
4-NITROPHENOL	MG/KG	2.2UY	2.7UY	2.8UY	3.1UY	1.8UY	2.4UY
ACENAPHTHENE	MG/KG	0.46UY	0.56UY	0.58UY	0.63UY	0.38UY	0.5UY
ACENAPHTHYLENE	MG/KG	0.46UY	0.56UY	0.58UY	0.63UY	0.38UY	0.5UY
ANTHRACENE	MG/KG	0.46UY	0.56UY	0.58UY	0.63UY	0.38UY	0.5UY

Data Format: value + detected flag + validated flag + qualifiers

DMS CHEMICAL OBSERVATIONS MATRIX
EDIMENTS
ADUCAH PHASE II
AMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		12037	12038	12039	12040	12041	12042
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		NS004	NS005	OF1	OF2	FP001	FP002
SAMPLE DATE:		04/16/1991	04/16/1991	04/17/1991	04/17/1991	04/22/1991	04/16/1991
SAMPLE TIME:		15:30	14:45	13:45	15:00	17:00	11:10
SAMPLE MATRIX:		SD	SD	SD	SD	SD	SD
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
BENZO(A)ANTHRACENE	MG/KG	0.2DYJ	0.25DYJ	0.58UY	0.63UY	0.38UY	0.5UY
BENZO(A)PYRENE	MG/KG	0.46UY	0.19DYJ	0.58UY	0.63UY	0.38UY	0.5UY
BENZO(B)FLUORANTHENE	MG/KG	0.15DYJ	0.21DYJ	0.58UY	0.63UY	0.38UY	0.5UY
BENZO(GHI)PERYLENE	MG/KG	0.46UY	0.56UY	0.58UY	0.63UY	0.38UY	0.5UY
BENZO(K)FLUORANTHENE	MG/KG	0.46UY	0.2DYJ	0.58UY	0.63UY	0.38UY	0.5UY
BENZOIC ACID	MG/KG	2.2UY	2.7UY	2.8UY	3.1UY	1.8UY	2.4UY
BENZYL ALCOHOL	MG/KG	0.46UY	0.56UY	0.58UY	0.63UY	0.38UY	0.5UY
BENZYL BUTYL PHTHALATE	MG/KG	0.46UY	0.56UY	0.58UY	0.63UY	0.38UY	0.5UY
BIS(2-CHLOROETHOXY) METHANE	MG/KG	0.46UY	0.56UY	0.58UY	0.63UY	0.38UY	0.5UY
BIS(2-CHLOROETHYL)ETHER	MG/KG	0.46UY	0.56UY	0.58UY	0.63UY	0.38UY	0.5UY
BIS(2-CHLOROISOPROPYL) ETHER	MG/KG	0.46UY	0.56UY	0.58UY	0.63UY	0.38UY	0.5UY
BIS(2-ETHYLHEXYL)PHTHALATE	MG/KG	0.46UY	0.56UY	0.58UY	0.63UY	0.38UY	0.5UY
CHRYSENE	MG/KG	0.2DYJ	0.27DYJ	0.58UY	0.63UY	0.38UY	0.5UY
DI-N-BUTYL PHTHALATE	MG/KG	0.46UY	0.56UY	0.58UY	0.63UY	0.38UY	0.5UY
DI-N-OCTYL PHTHALATE	MG/KG	0.46UY	0.56UY	0.58UY	0.63UY	0.38UY	0.5UY
DIBENZO(A,H)ANTHRACENE	MG/KG	0.46UY	0.56UY	0.58UY	0.63UY	0.38UY	0.5UY
DIBENZOFURAN	MG/KG	0.46UY	0.56UY	0.58UY	0.63UY	0.38UY	0.5UY
DIETHYL PHTHALATE	MG/KG	0.46UY	0.56UY	0.58UY	0.63UY	0.38UY	0.5UY
DIMETHYL PHTHALATE	MG/KG	0.46UY	0.56UY	0.58UY	0.63UY	0.38UY	0.5UY
FLUORANTHENE	MG/KG	0.56DY	0.61DY	0.58UY	0.63UY	0.38UY	0.5UY
FLUORENE	MG/KG	0.46UY	0.56UY	0.58UY	0.63UY	0.38UY	0.5UY
HEXACHLOROBENZENE	MG/KG	0.46UY	0.56UY	0.58UY	0.63UY	0.38UY	0.5UY
HEXACHLOROBUTADIENE	MG/KG	0.46UY	0.56UY	0.58UY	0.63UY	0.38UY	0.5UY
HEXACHLOROCYCLOPENTADIENE	MG/KG	0.46UY	0.56UY	0.58UY	0.63UY	0.38UY	0.5UY
HEXACHLOROETHANE	MG/KG	0.46UY	0.56UY	0.58UY	0.63UY	0.38UY	0.5UY
INDENO(1,2,3-CD)PYRENE	MG/KG	0.46UY	0.56UY	0.58UY	0.63UY	0.38UY	0.5UY
ISOPHORONE	MG/KG	0.46UY	0.56UY	0.58UY	0.63UY	0.38UY	0.5UY
N-NITROSO-DI-N-PROPYLAMINE	MG/KG	0.46UY	0.56UY	0.58UY	0.63UY	0.38UY	0.5UY
N-NITROSODIPHENYLAMINE	MG/KG	0.46UY	0.56UY	0.58UY	0.63UY	0.38UY	0.5UY
NAPHTHALENE	MG/KG	0.46UY	0.56UY	0.58UY	0.63UY	0.38UY	0.5UY

)ata Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SEDIMENTS
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:	12037	12038	12039	12040	12041	12042
SUB-SAMPLE ID:	00000	00000	00000	00000	00000	00000
STATION ID:	NS004	NS005	OF1	OF2	FP001	FP002
SAMPLE DATE:	04/16/1991	04/16/1991	04/17/1991	04/17/1991	04/22/1991	04/16/1991
SAMPLE TIME:	15:30	14:45	13:45	15:00	17:00	11:10
SAMPLE MATRIX:	SD	SD	SD	SD	SD	SD
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
NITROBENZENE MG/KG	0.46UY	0.56UY	0.58UY	0.63UY	0.38UY	0.5UY
PENTACHLOROPHENOL MG/KG	2.2UY	2.7UY	2.8UY	3.1UY	1.8UY	2.4UY
PHENANTHRENE MG/KG	0.44DYJ	0.5DYJ	0.58UY	0.63UY	0.38UY	0.5UY
PHENOL MG/KG	0.46UY	0.56UY	0.58UY	0.63UY	0.38UY	0.5UY
PYRENE MG/KG	0.45DYJ	0.56DY	0.58UY	0.63UY	0.38UY	0.5UY

)ata Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SEDIMENTS
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		12043	12044	12045	12046	12047	12048
SUB-SAMPLE ID:		00000	DUP	00000	00000	00000	00000
STATION ID:		FP003	FP004	FP004	OF8	FP005	OF010
SAMPLE DATE:		04/22/1991	04/16/1991	04/16/1991	04/17/1991	04/22/1991	04/18/1991
SAMPLE TIME:		15:10	13:30	13:30	15:50	15:55	10:20
SAMPLE MATRIX:		SD	SD	SD	SD	SD	SD
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
1,2,4-TRICHLOROBENZENE	MG/KG	0.44UY	0.46UY	0.46UY	0.43UY	0.39UY	0.54UY
1,2-DICHLOROBENZENE	MG/KG	0.44UY	0.46UY	0.46UY	0.43UY	0.39UY	0.54UY
1,3-DICHLOROBENZENE	MG/KG	0.44UY	0.46UY	0.46UY	0.43UY	0.39UY	0.54UY
1,4-DICHLOROBENZENE	MG/KG	0.44UY	0.46UY	0.46UY	0.43UY	0.39UY	0.54UY
2,4,5-TRICHLOROPHENOL	MG/KG	2.1UY	2.3UY	2.3UY	2.1UY	1.9UY	2.6UY
2,4,6-TRICHLOROPHENOL	MG/KG	0.44UY	0.46UY	0.46UY	0.43UY	0.39UY	0.54UY
2,4-DICHLOROPHENOL	MG/KG	0.44UY	0.46UY	0.46UY	0.43UY	0.39UY	0.54UY
2,4-DIMETHYLPHENOL	MG/KG	0.44UY	0.46UY	0.46UY	0.43UY	0.39UY	0.54UY
2,4-DINITROPHENOL	MG/KG	2.1UY	2.3UY	2.3UY	2.1UY	1.9UY	2.6UY
2,4-DINITROTOLUENE	MG/KG	0.44UY	0.46UY	0.46UY	0.43UY	0.39UY	0.54UY
2,6-DINITROTOLUENE	MG/KG	0.44UY	0.46UY	0.46UY	0.43UY	0.39UY	0.54UY
2-CHLORONAPHTHALENE	MG/KG	0.44UY	0.46UY	0.46UY	0.43UY	0.39UY	0.54UY
2-CHLOROPHENOL	MG/KG	0.44UY	0.46UY	0.46UY	0.43UY	0.39UY	0.54UY
2-METHYLNAPHTHALENE	MG/KG	0.44UY	0.46UY	0.46UY	0.43UY	0.39UY	0.54UY
2-METHYLPHENOL	MG/KG	0.44UY	0.46UY	0.46UY	0.43UY	0.39UY	0.54UY
2-NITROANILINE	MG/KG	2.1UY	2.3UY	2.3UY	2.1UY	1.9UY	2.6UY
2-NITROPHENOL	MG/KG	0.44UY	0.46UY	0.46UY	0.43UY	0.39UY	0.54UY
3,3'-DICHLOROBENZIDINE	MG/KG	0.88UY	0.93UY	0.93UY	0.86UY	0.78UY	1.1UY
3-NITROANILINE	MG/KG	2.1UY	2.3UY	2.3UY	2.1UY	1.9UY	2.6UY
4,6-DINITRO-2-METHYLPHENOL	MG/KG	2.1UY	2.3UY	2.3UY	2.1UY	1.9UY	2.6UY
4-BROMOPHENYL PHENYL ETHER	MG/KG	0.44DY	0.46UY	0.46UY	0.43UY	0.39UY	0.54UY
4-CHLORO-3-METHYLPHENOL	MG/KG	0.44UY	0.46UY	0.46UY	0.43UY	0.39UY	0.54UY
4-CHLOROANILINE	MG/KG	0.44UY	0.46UY	0.46UY	0.43UY	0.39UY	0.54UY
4-CHLOROPHENYL PHENYL ETHER	MG/KG	0.44UY	0.46UY	0.46UY	0.43UY	0.39UY	0.54UY
4-METHYLPHENOL	MG/KG	0.44UY	0.46UY	0.46UY	0.43UY	0.39UY	0.54UY
4-NITROANILINE	MG/KG	2.1UY	2.3UY	2.3UY	2.1UY	1.9UY	2.6UY
4-NITROPHENOL	MG/KG	2.1UY	2.3UY	2.3UY	2.1UY	1.9UY	2.6UY
ACENAPHTHENE	MG/KG	0.44UY	0.46UY	0.46UY	0.43UY	0.23DYJ	0.54UY
ACENAPHTHYLENE	MG/KG	0.44UY	0.46UY	0.46UY	0.43UY	0.39UY	0.54UY
ANTHRACENE	MG/KG	0.44UY	0.46UY	0.46UY	0.43UY	0.46DY	0.54UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SEDIMENTS
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		12043	12044	12045	12046	12047	12048
SUB-SAMPLE ID:		00000	DUP	00000	00000	00000	00000
STATION ID:		FP003	FP004	FP004	OF8	FP005	OF010
SAMPLE DATE:		04/22/1991	04/16/1991	04/16/1991	04/17/1991	04/22/1991	04/18/1991
SAMPLE TIME:		15:10	13:30	13:30	15:50	15:55	10:20
SAMPLE MATRIX:		SD	SD	SD	SD	SD	SD
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
BENZO(A)ANTHRACENE	MG/KG	0.44UY	0.46UY	0.46UY	0.43UY	1DY	0.54UY
BENZO(A)PYRENE	MG/KG	0.44UY	0.46UY	0.46UY	0.43UY	0.95DY	0.54UY
BENZO(B)FLUORANTHENE	MG/KG	0.44UY	0.46UY	0.46UY	0.43UY	1.1DY	0.54UY
BENZO(GHI)PERYLENE	MG/KG	0.44UY	0.46UY	0.46UY	0.43UY	0.49DY	0.54UY
BENZO(K)FLUORANTHENE	MG/KG	0.44UY	0.46UY	0.46UY	0.43UY	0.78DY	0.54UY
BENZOIC ACID	MG/KG	2.1UY	2.3UY	2.3UY	2.1UY	1.9UY	2.6UY
BENZYL ALCOHOL	MG/KG	0.44UY	0.46UY	0.46UY	0.43UY	0.39UY	0.54UY
BENZYL BUTYL PHTHALATE	MG/KG	0.44UY	0.46UY	0.46UY	0.43UY	0.39UY	0.54UY
BIS(2-CHLOROETHOXY) METHANE	MG/KG	0.44UY	0.46UY	0.46UY	0.43UY	0.39UY	0.54UY
BIS(2-CHLOROETHYL)ETHER	MG/KG	0.44UY	0.46UY	0.46UY	0.43UY	0.39UY	0.54UY
BIS(2-CHLOROISOPROPYL) ETHER	MG/KG	0.44UY	0.46UY	0.46UY	0.43UY	0.39UY	0.54UY
BIS(2-ETHYLHEXYL)PHTHALATE	MG/KG	1.3DY	0.46UY	0.46UY	0.43UY	0.39UY	0.54UY
CHRYSENE	MG/KG	0.44UY	0.46UY	0.46UY	0.43UY	1.1DY	0.54UY
DI-N-BUTYL PHTHALATE	MG/KG	0.44UY	0.46UY	0.46UY	0.43UY	0.39UY	0.54UY
DI-N-OCTYL PHTHALATE	MG/KG	0.44UY	0.46UY	0.46UY	0.43UY	0.39UY	0.54UY
DIBENZO(A,H)ANTHRACENE	MG/KG	0.44UY	0.46UY	0.46UY	0.43UY	0.39UY	0.54UY
DIBENZOFURAN	MG/KG	0.44UY	0.46UY	0.46UY	0.43UY	0.12DYJ	0.54UY
DIETHYL PHTHALATE	MG/KG	0.44UY	0.46UY	0.46UY	0.43UY	0.39UY	0.54UY
DIMETHYL PHTHALATE	MG/KG	0.44UY	0.46UY	0.46UY	0.43UY	0.39UY	0.54UY
FLUORANTHENE	MG/KG	0.44UY	0.46UY	0.46UY	0.43UY	3DY	0.54UY
FLUORENE	MG/KG	0.44UY	0.46UY	0.46UY	0.43UY	0.21DYJ	0.54UY
HEXACHLOROBENZENE	MG/KG	0.44UY	0.46UY	0.46UY	0.43UY	0.39UY	0.54UY
HEXACHLOROBUTADIENE	MG/KG	0.44UY	0.46UY	0.46UY	0.43UY	0.39UY	0.54UY
HEXACHLOROCYCLOPENTADIENE	MG/KG	0.44UY	0.46UY	0.46UY	0.43UY	0.39UY	0.54UY
HEXACHLOROETHANE	MG/KG	0.44UY	0.46UY	0.46UY	0.43UY	0.39UY	0.54UY
INDENO(1,2,3-CD)PYRENE	MG/KG	0.44UY	0.46UY	0.46UY	0.43UY	0.53DY	0.54UY
ISOPHORONE	MG/KG	0.44UY	0.46UY	0.46UY	0.43UY	0.39UY	0.54UY
N-NITROSO-DI-N-PROPYLAMINE	MG/KG	0.44UY	0.46UY	0.46UY	0.43UY	0.39UY	0.54UY
N-NITROSODIPHENYLAMINE	MG/KG	0.44UY	0.46UY	0.46UY	0.43UY	0.39UY	0.54UY
NAPHTHALENE	MG/KG	0.44UY	0.46UY	0.46UY	0.43UY	0.39UY	0.54UY

)ata Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SEDIMENTS
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:	12043	12044	12045	12046	12047	12048
SUB-SAMPLE ID:	00000	DUP	00000	00000	00000	00000
STATION ID:	FP003	FP004	FP004	OF8	FP005	OF010
SAMPLE DATE:	04/22/1991	04/16/1991	04/16/1991	04/17/1991	04/22/1991	04/18/1991
SAMPLE TIME:	15:10	13:30	13:30	15:50	15:55	10:20
SAMPLE MATRIX:	SD	SD	SD	SD	SD	SD
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
NITROBENZENE MG/KG	0.44UY	0.46UY	0.46UY	0.43UY	0.39UY	0.54UY
PENTACHLOROPHENOL MG/KG	2.1UY	2.3UY	2.3UY	2.1UY	1.9UY	2.6UY
PHENANTHRENE MG/KG	0.44UY	0.46UY	0.46UY	0.43UY	2.3DY	0.54UY
PHENOL MG/KG	0.44UY	0.46UY	0.46UY	0.43UY	0.39UY	0.54UY
PYRENE MG/KG	0.44UY	0.46UY	0.46UY	0.43UY	1.7DY	0.54UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SEDIMENTS
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:	12049	12051	12052	12053	14134	14135
SUB-SAMPLE ID:	00000	00000	00000	00000	00000	00000
STATION ID:	OF11A	OF11B	OF15A	OF15B	FP006	FP007
SAMPLE DATE:	04/18/1991	04/18/1991	04/18/1991	04/18/1991	04/29/1991	04/29/1991
SAMPLE TIME:	13:00	13:50	15:30	15:40	14:00	14:30
SAMPLE MATRIX:	SD	SD	SD	SD	SD	SD
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	5.00	0.50
1,2,4-TRICHLOROBENZENE MG/KG	0.46UY	0.52UY	0.46UY	0.49UY		
1,2-DICHLOROBENZENE MG/KG	0.46UY	0.52UY	0.46UY	0.49UY		
1,3-DICHLOROBENZENE MG/KG	0.46UY	0.52UY	0.46UY	0.49UY		
1,4-DICHLOROBENZENE MG/KG	0.46UY	0.52UY	0.46UY	0.49UY		
2,4,5-TRICHLOROPHENOL MG/KG	2.3UY	2.5UY	2.2UY	2.4UY		
2,4,6-TRICHLOROPHENOL MG/KG	0.46UY	0.52UY	0.46UY	0.49UY		
2,4-DICHLOROPHENOL MG/KG	0.46UY	0.52UY	0.46UY	0.49UY		
2,4-DIMETHYLPHENOL MG/KG	0.46UY	0.52UY	0.46UY	0.49UY		
2,4-DINITROPHENOL MG/KG	2.3UY	2.5UY	2.2UY	2.4UY		
2,4-DINITROTOLUENE MG/KG	0.46UY	0.52UY	0.46UY	0.49UY		
2,6-DINITROTOLUENE MG/KG	0.46UY	0.52UY	0.46UY	0.49UY		
2-CHLORONAPHTHALENE MG/KG	0.46UY	0.52UY	0.46UY	0.49UY		
2-CHLOROPHENOL MG/KG	0.46UY	0.52UY	0.46UY	0.49UY		
2-METHYLNAPHTHALENE MG/KG	0.46UY	0.52UY	0.46UY	0.49UY		
2-METHYLPHENOL MG/KG	0.46UY	0.52UY	0.46UY	0.49UY		
2-NITROANILINE MG/KG	2.3UY	2.5UY	2.2UY	2.4UY		
2-NITROPHENOL MG/KG	0.46UY	0.52UY	0.46UY	0.49UY		
3,3'-DICHLOROBENZIDINE MG/KG	0.93UY	1UY	0.92UY	0.99UY		
3-NITROANILINE MG/KG	2.3UY	2.5UY	2.2UY	2.4UY		
4,6-DINITRO-2-METHYLPHENOL MG/KG	2.3UY	2.5UY	2.2UY	2.4UY		
4-BROMOPHENYL PHENYL ETHER MG/KG	0.46UY	0.52UY	0.46UY	0.49UY		
4-CHLORO-3-METHYLPHENOL MG/KG	0.46UY	0.52UY	0.46UY	0.49UY		
4-CHLOROANILINE MG/KG	0.46UY	0.52UY	0.46UY	0.49UY		
4-CHLOROPHENYL PHENYL ETHER MG/KG	0.46UY	0.52UY	0.46UY	0.49UY		
4-METHYLPHENOL MG/KG	0.46UY	0.52UY	0.46UY	0.49UY		
4-NITROANILINE MG/KG	2.3UY	2.5UY	2.2UY	2.4UY		
4-NITROPHENOL MG/KG	2.3UY	2.5UY	2.2UY	2.4UY		
ACENAPHTHENE MG/KG	0.25DYJ	0.52UY	0.46UY	0.49UY		
ACENAPHTHYLENE MG/KG	0.46UY	0.52UY	0.46UY	0.49UY		
ANTHRACENE MG/KG	0.46DYJ	0.52UY	0.46UY	0.49UY		

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SEDIMENTS
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:		12049	12051	12052	12053	14134	14135
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		OF11A	OF11B	OF15A	OF15B	FP006	FP007
SAMPLE DATE:		04/18/1991	04/18/1991	04/18/1991	04/18/1991	04/29/1991	04/29/1991
SAMPLE TIME:		13:00	13:50	15:30	15:40	14:00	14:30
SAMPLE MATRIX:		SD	SD	SD	SD	SD	SD
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	5.00	0.50
BENZO(A)ANTHRACENE	MG/KG	1.1DY	0.24DYJ	0.46UY	0.49UY		
BENZO(A)PYRENE	MG/KG	1.2DY	0.17DYJ	0.46UY	0.49UY		
BENZO(B)FLUORANTHENE	MG/KG	1.4DY	0.19DYJ	0.46UY	0.49UY		
BENZO(GHI)PERYLENE	MG/KG	0.74DY	0.52UY	0.46UY	0.49UY		
BENZO(K)FLUORANTHENE	MG/KG	1.1DY	0.52UY	0.46UY	0.49UY		
BENZOIC ACID	MG/KG	2.3UY	2.5UY	2.2UY	2.4UY		
BENZYL ALCOHOL	MG/KG	0.46UY	0.52UY	0.46UY	0.49UY		
BENZYL BUTYL PHTHALATE	MG/KG	0.46UY	0.52UY	0.46UY	0.49UY		
BIS(2-CHLOROETHOXY) METHANE	MG/KG	0.46UY	0.52UY	0.46UY	0.49UY		
BIS(2-CHLOROETHYL)ETHER	MG/KG	0.46UY	0.52UY	0.46UY	0.49UY		
BIS(2-CHLOROISOPROPYL) ETHER	MG/KG	0.46UY	0.52UY	0.46UY	0.49UY		
BIS(2-ETHYLHEXYL)PHTHALATE	MG/KG	0.46UY	0.52UY	0.46UY	0.49UY		
CHRYSENE	MG/KG	1.3DY	0.25DYJ	0.46UY	0.49UY		
DI-N-BUTYL PHTHALATE	MG/KG	0.46UY	0.52UY	0.46UY	0.49UY		
DI-N-OCTYL PHTHALATE	MG/KG	0.46UY	0.52UY	0.46UY	0.49UY		
DIBENZO(A,H)ANTHRACENE	MG/KG	0.46UY	0.52UY	0.46UY	0.49UY		
DIBENZOFURAN	MG/KG	0.15DYJ	0.52UY	0.46UY	0.49UY		
DIETHYL PHTHALATE	MG/KG	0.46UY	0.52UY	0.46UY	0.49UY		
DIMETHYL PHTHALATE	MG/KG	0.46UY	0.52UY	0.46UY	0.49UY		
FLUORANTHENE	MG/KG	2.9DY	0.59DY	0.46UY	0.49UY		
FLUORENE	MG/KG	0.24DYJ	0.52UY	0.46UY	0.49UY		
HEXACHLOROBENZENE	MG/KG	0.46UY	0.52UY	0.46UY	0.49UY		
HEXACHLOROBUTADIENE	MG/KG	0.46UY	0.52UY	0.46UY	0.49UY		
HEXACHLOROCYCLOPENTADIENE	MG/KG	0.46UY	0.52UY	0.46UY	0.49UY		
HEXACHLOROETHANE	MG/KG	0.46UY	0.52UY	0.46UY	0.49UY		
INDENO(1,2,3-CD)PYRENE	MG/KG	0.68DY	0.52UY	0.46UY	0.49UY		
ISOPHORONE	MG/KG	0.46UY	0.52UY	0.46UY	0.49UY		
N-NITROSO-DI-N-PROPYLAMINE	MG/KG	0.46UY	0.52UY	0.46UY	0.49UY		
N-NITROSODIPHENYLAMINE	MG/KG	0.46UY	0.52UY	0.46UY	0.49UY		
NAPHTHALENE	MG/KG	0.21DYJ	0.52UY	0.46UY	0.49UY		

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SEDIMENTS
PADUCAH PHASE II
SAMPLE ANALYSIS: SEMIVOLATILE

SAMPLE ID:	12049	12051	12052	12053	14134	14135
SUB-SAMPLE ID:	00000	00000	00000	00000	00000	00000
STATION ID:	OF11A	OF11B	OF15A	OF15B	FP006	FP007
SAMPLE DATE:	04/18/1991	04/18/1991	04/18/1991	04/18/1991	04/29/1991	04/29/1991
SAMPLE TIME:	13:00	13:50	15:30	15:40	14:00	14:30
SAMPLE MATRIX:	SD	SD	SD	SD	SD	SD
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	5.00	0.50
NITROBENZENE MG/KG	0.46UY	0.52UY	0.46UY	0.49UY		
PENTACHLOROPHENOL MG/KG	2.3UY	2.5UY	2.2UY	2.4UY		
PHENANTHRENE MG/KG	2.3DY	0.58DY	0.46UY	0.49UY		
PHENOL MG/KG	0.46UY	0.52UY	0.46UY	0.49UY		
PYRENE MG/KG	2.3DY	0.5DYJ	0.46UY	0.49UY		

Data Format: value + detected flag + validated flag + qualifiers

:DMS CHEMICAL OBSERVATIONS MATRIX
:EDIMENTS
'ADUCAH PHASE II
:AMPLE ANALYSIS: PESTICIDES

SAMPLE ID:		12000	12001	12002	12003	12005	12011
SUB-SAMPLE ID:		00000	00000	DUP	00000	00000	00000
STATION ID:		WMU017	WMU018	WMU017	WMU038	WMU019	BBC001
SAMPLE DATE:		02/27/1991	02/28/1991	02/27/1991	03/01/1991	02/28/1991	04/19/1991
SAMPLE TIME:		16:00	13:00	16:00	12:45	14:00	09:30
SAMPLE MATRIX:		SD	SD	SD	SD	SD	SD
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
4,4'-DDD	MG/KG	0.15UY	0.048UY	0.16UY	0.016UY	0.028UY	0.022UY
4,4'-DDE	MG/KG	0.15UY	0.048UY	0.16UY	0.016UY	0.028UY	0.022UY
4,4'-DDT	MG/KG	0.17DY	0.052DYJ	0.1DYJ	0.016UY	0.032DYJ	0.022UY
ALDRIN	MG/KG	0.074UY	0.024UY	0.078UY	0.0082UY	0.014UY	0.011UY
ALPHA-CHLORDANE	MG/KG	0.74UY	0.24UY	0.78UY	0.082UY	0.14UY	0.11UY
AROCLOR-1016	MG/KG	0.74UY	0.24UY	0.78UY	0.082UY	0.14UY	0.11UY
AROCLOR-1221	MG/KG	0.74UY	0.24UY	0.78UY	0.082UY	0.14UY	0.11UY
AROCLOR-1232	MG/KG	0.74UY	0.24UY	0.78UY	0.082UY	0.14UY	0.11UY
AROCLOR-1242	MG/KG	0.74UY	0.24UY	0.78UY	0.082UY	0.14UY	0.11UY
AROCLOR-1248	MG/KG	0.74UY	0.24UY	0.78UY	0.082UY	0.14UY	0.11UY
AROCLOR-1254	MG/KG	1.5UY	0.48UY	1.6UY	0.26DY	0.28UY	0.22UY
AROCLOR-1260	MG/KG	1.5UY	0.48UY	1.6UY	0.16UY	0.28UY	0.22UY
BHC-ALPHA	MG/KG	0.074UY	0.024UY	0.078UY	0.0082UY	0.014UY	0.011UY
BHC-BETA	MG/KG	0.074UY	0.024UY	0.078UY	0.0082UY	0.014UY	0.011UY
BHC-DELTA	MG/KG	0.074UY	0.024UY	0.078UY	0.0082UY	0.014UY	0.011UY
BHC-GAMMA(LINDANE)	MG/KG	0.074UY	0.024UY	0.078UY	0.0082UY	0.014UY	0.011UY
DIELDRIN	MG/KG	0.15UY	0.048UY	0.16UY	0.016UY	0.028UY	0.022UY
ENDOSULFAN I	MG/KG	0.074UY	0.024UY	0.078UY	0.0082UY	0.014UY	0.011UY
ENDOSULFAN II	MG/KG	0.15UY	0.048UY	0.16UY	0.016UY	0.028UY	0.022UY
ENDOSULFAN SULFATE	MG/KG	0.15UY	0.048UY	0.16UY	0.016UY	0.028UY	0.022UY
ENDRIN	MG/KG	0.15UY	0.048UY	0.16UY	0.016UY	0.028UY	0.022UY
ENDRIN KETONE	MG/KG	0.15UY	0.048UY	0.16UY	0.016UY	0.028UY	0.022UY
GAMMA-CHLORDANE	MG/KG	0.74UY	0.24UY	0.78UY	0.082UY	0.14UY	0.11UY
HEPTACHLOR	MG/KG	0.074UY	0.024UY	0.078UY	0.0082UY	0.014UY	0.011UY
HEPTACHLOR EPOXIDE	MG/KG	0.074UY	0.024UY	0.078UY	0.0082UY	0.014UY	0.011UY
METHOXYCHLOR	MG/KG	0.74UY	0.24UY	0.78UY	0.082UY	0.14UY	0.11UY
TOXAPHENE	MG/KG	1.5UY	0.48UY	1.6UY	0.16UY	0.28UY	0.22UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SEDIMENTS
PADUCAH PHASE II
SAMPLE ANALYSIS: PESTICIDES

SAMPLE ID:		12012	12013	12014	12015	12016	12017
SUB-SAMPLE ID:		00000	00000	DUP	00000	00000	00000
STATION ID:		BBC002	BBC003	BBC003	BBC004	BBC005	BBC006
SAMPLE DATE:		04/19/1991	04/19/1991	04/19/1991	04/22/1991	04/19/1991	04/22/1991
SAMPLE TIME:		10:50	13:30	13:30	09:15	15:30	10:40
SAMPLE MATRIX:		SD	SD	SD	SD	SD	SD
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
4,4'-DDD	MG/KG	0.02UY	0.02UY	0.02UY	0.02UY	0.02UY	0.02UY
4,4'-DDE	MG/KG	0.02UY	0.02UY	0.02UY	0.02UY	0.02UY	0.02UY
4,4'-DDT	MG/KG	0.02UY	0.02UY	0.02UY	0.02UY	0.02UY	0.02UY
ALDRIN	MG/KG	0.01UY	0.01UY	0.01UY	0.01UY	0.0099UY	0.01UY
ALPHA-CHLORDANE	MG/KG	0.1UY	0.1UY	0.1UY	0.1UY	0.099UY	0.1UY
AROCLOR-1016	MG/KG	0.1UY	0.1UY	0.1UY	0.1UY	0.099UY	0.1UY
AROCLOR-1221	MG/KG	0.1UY	0.1UY	0.1UY	0.1UY	0.099UY	0.1UY
AROCLOR-1232	MG/KG	0.1UY	0.1UY	0.1UY	0.1UY	0.099UY	0.1UY
AROCLOR-1242	MG/KG	0.1UY	0.1UY	0.1UY	0.1UY	0.099UY	0.1UY
AROCLOR-1248	MG/KG	0.1UY	0.1UY	0.1UY	0.1UY	0.099UY	0.1UY
AROCLOR-1254	MG/KG	0.2UY	0.2UY	0.2UY	0.2UY	0.2UY	0.2UY
AROCLOR-1260	MG/KG	0.2UY	0.2UY	0.2UY	0.2UY	0.2UY	0.2UY
BHC-ALPHA	MG/KG	0.01UY	0.01UY	0.01UY	0.01UY	0.0099UY	0.01UY
BHC-BETA	MG/KG	0.01UY	0.01UY	0.01UY	0.01UY	0.0099UY	0.01UY
BHC-DELTA	MG/KG	0.01UY	0.01UY	0.01UY	0.01UY	0.0099UY	0.01UY
BHC-GAMMA(LINDANE)	MG/KG	0.01UY	0.01UY	0.01UY	0.01UY	0.0099UY	0.01UY
DIELDRIN	MG/KG	0.02UY	0.02UY	0.02UY	0.02UY	0.02UY	0.02UY
ENDOSULFAN I	MG/KG	0.01UY	0.01UY	0.01UY	0.01UY	0.0099UY	0.01UY
ENDOSULFAN II	MG/KG	0.02UY	0.02UY	0.02UY	0.02UY	0.02UY	0.02UY
ENDOSULFAN SULFATE	MG/KG	0.02UY	0.02UY	0.02UY	0.02UY	0.02UY	0.02UY
ENDRIN	MG/KG	0.02UY	0.02UY	0.02UY	0.02UY	0.02UY	0.02UY
ENDRIN KETONE	MG/KG	0.02UY	0.02UY	0.02UY	0.02UY	0.02UY	0.02UY
GAMMA-CHLORDANE	MG/KG	0.1UY	0.1UY	0.1UY	0.1UY	0.099UY	0.1UY
HEPTACHLOR	MG/KG	0.01UY	0.01UY	0.01UY	0.01UY	0.0099UY	0.01UY
HEPTACHLOR EPOXIDE	MG/KG	0.01UY	0.01UY	0.01UY	0.01UY	0.0099UY	0.01UY
METHOXYCHLOR	MG/KG	0.1UY	0.1UY	0.1UY	0.1UY	0.099UY	0.1UY
TOXAPHENE	MG/KG	0.2UY	0.2UY	0.2UY	0.2UY	0.2UY	0.2UY

Data Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:	12018	12019	12020	12021	12022	12023
SUB-SAMPLE ID:	00000	00000	00000	00000	00000	00000
STATION ID:	BBC007	BBC008	BBC009	LBC009	LBC002	LBC003
SAMPLE DATE:	04/22/1991	04/16/1991	04/22/1991	04/22/1991	04/24/1991	04/23/1991
SAMPLE TIME:	14:15	09:00	11:30	16:15	08:45	15:10
SAMPLE MATRIX:	SD	SD	SD	SD	SD	SD
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
4,4'-DDD MG/KG	0.02UY	0.021UY	0.021UY	0.02UY	0.025UY	0.025UY
4,4'-DDE MG/KG	0.02UY	0.021UY	0.021UY	0.02UY	0.025UY	0.025UY
4,4'-DDT MG/KG	0.02UY	0.021UY	0.021UY	0.02UY	0.025UY	0.025UY
ALDRIN MG/KG	0.0098UY	0.01UY	0.01UY	0.01UY	0.012UY	0.012UY
ALPHA-CHLORDANE MG/KG	0.098UY	0.1UY	0.1UY	0.1UY	0.12UY	0.12UY
AROCLOR-1016 MG/KG	0.098UY	0.1UY	0.1UY	0.1UY	0.12UY	0.12UY
AROCLOR-1221 MG/KG	0.098UY	0.1UY	0.1UY	0.1UY	0.12UY	0.12UY
AROCLOR-1232 MG/KG	0.098UY	0.1UY	0.1UY	0.1UY	0.12UY	0.12UY
AROCLOR-1242 MG/KG	0.098UY	0.1UY	0.1UY	0.1UY	0.12UY	0.12UY
AROCLOR-1248 MG/KG	0.098UY	0.1UY	0.1UY	0.1UY	0.12UY	0.12UY
AROCLOR-1254 MG/KG	0.2UY	0.21UY	0.21UY	0.2UY	0.25UY	0.25UY
AROCLOR-1260 MG/KG	0.2UY	0.21UY	0.21UY	0.2UY	0.25UY	0.25UY
BHC-ALPHA MG/KG	0.0098UY	0.01UY	0.01UY	0.01UY	0.012UY	0.012UY
BHC-BETA MG/KG	0.0098UY	0.01UY	0.01UY	0.01UY	0.012UY	0.012UY
BHC-DELTA MG/KG	0.0098UY	0.01UY	0.01UY	0.01UY	0.012UY	0.012UY
BHC-GAMMA(LINDANE) MG/KG	0.0098UY	0.01UY	0.01UY	0.01UY	0.012UY	0.012UY
DIELDRIN MG/KG	0.02UY	0.021UY	0.021UY	0.02UY	0.025UY	0.025UY
ENDOSULFAN I MG/KG	0.0098UY	0.01UY	0.01UY	0.01UY	0.012UY	0.012UY
ENDOSULFAN II MG/KG	0.02UY	0.021UY	0.021UY	0.02UY	0.025UY	0.025UY
ENDOSULFAN SULFATE MG/KG	0.02UY	0.021UY	0.021UY	0.02UY	0.025UY	0.025UY
ENDRIN MG/KG	0.02UY	0.021UY	0.021UY	0.02UY	0.025UY	0.025UY
ENDRIN KETONE MG/KG	0.02UY	0.021UY	0.021UY	0.02UY	0.025UY	0.025UY
GAMMA-CHLORDANE MG/KG	0.098UY	0.1UY	0.1UY	0.1UY	0.12UY	0.12UY
HEPTACHLOR MG/KG	0.0098UY	0.01UY	0.01UY	0.01UY	0.012UY	0.012UY
HEPTACHLOR EPOXIDE MG/KG	0.0098UY	0.01UY	0.01UY	0.01UY	0.012UY	0.012UY
METHOXYCHLOR MG/KG	0.098UY	0.1UY	0.1UY	0.1UY	0.12UY	0.12UY
TOXAPHENE MG/KG	0.2UY	0.21UY	0.21UY	0.2UY	0.25UY	0.25UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SEDIMENTS
PADUCAH PHASE II
SAMPLE ANALYSIS: PESTICIDES

SAMPLE ID:		12024	12025	12026	12027	12028	12029
SUB-SAMPLE ID:		00000	DUP	00000	00000	00000	00000
STATION ID:		LBC004	LBC004	LBC005	LBC006	LBC007	LBC008
SAMPLE DATE:		04/23/1991	04/23/1991	04/24/1991	04/24/1991	04/24/1991	04/25/1991
SAMPLE TIME:		13:30	13:30	13:00	14:20	10:00	08:30
SAMPLE MATRIX:		SD	SD	SD	SD	SD	SD
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
4,4'-DDD	MG/KG	0.02UY	0.02UY	0.02UY	0.021UY	0.02UY	0.02UY
4,4'-DDE	MG/KG	0.02UY	0.02UY	0.02UY	0.021UY	0.02UY	0.02UY
4,4'-DDT	MG/KG	0.02UY	0.02UY	0.02UY	0.021UY	0.02UY	0.02UY
ALDRIN	MG/KG	0.01UY	0.01UY	0.0099UY	0.01UY	0.0099UY	0.01UY
ALPHA-CHLORDANE	MG/KG	0.1UY	0.1UY	0.099UY	0.1UY	0.099UY	0.1UY
AROCLOR-1016	MG/KG	0.1UY	0.1UY	0.099UY	0.1UY	0.099UY	0.1UY
AROCLOR-1221	MG/KG	0.1UY	0.1UY	0.099UY	0.1UY	0.099UY	0.1UY
AROCLOR-1232	MG/KG	0.1UY	0.1UY	0.099UY	0.1UY	0.099UY	0.1UY
AROCLOR-1242	MG/KG	0.1UY	0.1UY	0.099UY	0.1UY	0.099UY	0.1UY
AROCLOR-1248	MG/KG	0.1UY	0.1UY	0.099UY	0.1UY	0.099UY	0.1UY
AROCLOR-1254	MG/KG	0.2UY	0.2UY	0.2UY	0.21UY	0.2UY	0.2UY
AROCLOR-1260	MG/KG	0.2UY	0.2UY	0.2UY	0.21UY	0.2UY	0.2UY
BHC-ALPHA	MG/KG	0.01UY	0.01UY	0.0099UY	0.01UY	0.0099UY	0.01UY
BHC-BETA	MG/KG	0.01UY	0.01UY	0.0099UY	0.01UY	0.0099UY	0.01UY
BHC-DELTA	MG/KG	0.01UY	0.01UY	0.0099UY	0.01UY	0.0099UY	0.01UY
BHC-GAMMA(LINDANE)	MG/KG	0.01UY	0.01UY	0.0099UY	0.01UY	0.0099UY	0.01UY
DIELDRIN	MG/KG	0.02UY	0.02UY	0.02UY	0.021UY	0.02UY	0.02UY
ENDOSULFAN I	MG/KG	0.01UY	0.01UY	0.0099UY	0.01UY	0.0099UY	0.01UY
ENDOSULFAN II	MG/KG	0.02UY	0.02UY	0.02UY	0.021UY	0.02UY	0.02UY
ENDOSULFAN SULFATE	MG/KG	0.02UY	0.02UY	0.02UY	0.021UY	0.02UY	0.02UY
ENDRIN	MG/KG	0.02UY	0.02UY	0.02UY	0.021UY	0.02UY	0.02UY
ENDRIN KETONE	MG/KG	0.02UY	0.02UY	0.02UY	0.021UY	0.02UY	0.02UY
GAMMA-CHLORDANE	MG/KG	0.1UY	0.1UY	0.099UY	0.1UY	0.099UY	0.1UY
HEPTACHLOR	MG/KG	0.01UY	0.01UY	0.0099UY	0.01UY	0.0099UY	0.01UY
HEPTACHLOR EPOXIDE	MG/KG	0.01UY	0.01UY	0.0099UY	0.01UY	0.0099UY	0.01UY
METHOXYCHLOR	MG/KG	0.1UY	0.1UY	0.099UY	0.1UY	0.099UY	0.1UY
TOXAPHENE	MG/KG	0.2UY	0.2UY	0.2UY	0.21UY	0.2UY	0.2UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SEDIMENTS
PADUCAH PHASE II
SAMPLE ANALYSIS: PESTICIDES

SAMPLE ID:		12031	12032	12033	12034	12035	12036
SUB-SAMPLE ID:		00000	00000	00000	DUP	00000	00000
STATION ID:		LBC001	LBC010	NS001	NS002	NS002	NS003
SAMPLE DATE:		04/23/1991	04/25/1991	04/18/1991	04/17/1991	04/17/1991	04/17/1991
SAMPLE TIME:		10:20	10:00	08:45	10:30	10:30	08:45
SAMPLE MATRIX:		SD	SD	SD	SD	SD	SD
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
4,4'-DDD	MG/KG	0.024UY	0.02UY	0.033UY	0.025UY	0.026UY	0.024UY
4,4'-DDE	MG/KG	0.024UY	0.02UY	0.033UY	0.025UY	0.026UY	0.024UY
4,4'-DDT	MG/KG	0.024UY	0.02UY	0.033UY	0.025UY	0.026UY	0.024UY
ALDRIN	MG/KG	0.012UY	0.01UY	0.017UY	0.013UY	0.013UY	0.012UY
ALPHA-CHLORDANE	MG/KG	0.12UY	0.1UY	0.17UY	0.13UY	0.13UY	0.12UY
AROCLOR-1016	MG/KG	0.12UY	0.1UY	0.17UY	0.13UY	0.13UY	0.12UY
AROCLOR-1221	MG/KG	0.12UY	0.1UY	0.17UY	0.13UY	0.13UY	0.12UY
AROCLOR-1232	MG/KG	0.12UY	0.1UY	0.17UY	0.13UY	0.13UY	0.12UY
AROCLOR-1242	MG/KG	0.12UY	0.1UY	0.17UY	0.13UY	0.13UY	0.12UY
AROCLOR-1248	MG/KG	0.12UY	0.1UY	0.17UY	0.7DY	0.87DY	0.12UY
AROCLOR-1254	MG/KG	0.24UY	0.2UY	0.33UY	0.25UY	0.26UY	0.24UY
AROCLOR-1260	MG/KG	0.24UY	0.2UY	0.33UY	0.44DY	0.63DY	0.24UY
BHC-ALPHA	MG/KG	0.012UY	0.01UY	0.017UY	0.013UY	0.013UY	0.012UY
BHC-BETA	MG/KG	0.012UY	0.01UY	0.017UY	0.013UY	0.013UY	0.012UY
BHC-DELTA	MG/KG	0.012UY	0.01UY	0.017UY	0.013UY	0.013UY	0.012UY
BHC-GAMMA(LINDANE)	MG/KG	0.012UY	0.01UY	0.017UY	0.013UY	0.013UY	0.012UY
DIELDRIN	MG/KG	0.024UY	0.02UY	0.033UY	0.025UY	0.026UY	0.024UY
ENDOSULFAN I	MG/KG	0.012UY	0.01UY	0.017UY	0.013UY	0.013UY	0.012UY
ENDOSULFAN II	MG/KG	0.024UY	0.02UY	0.033UY	0.025UY	0.026UY	0.024UY
ENDOSULFAN SULFATE	MG/KG	0.024UY	0.02UY	0.033UY	0.025UY	0.026UY	0.024UY
ENDRIN	MG/KG	0.024UY	0.02UY	0.033UY	0.025UY	0.026UY	0.024UY
ENDRIN KETONE	MG/KG	0.024UY	0.02UY	0.033UY	0.025UY	0.026UY	0.024UY
GAMMA-CHLORDANE	MG/KG	0.12UY	0.1UY	0.17UY	0.13UY	0.13UY	0.12UY
HEPTACHLOR	MG/KG	0.012UY	0.01UY	0.017UY	0.013UY	0.013UY	0.012UY
HEPTACHLOR EPOXIDE	MG/KG	0.012UY	0.01UY	0.017UY	0.013UY	0.013UY	0.012UY
METHOXYCHLOR	MG/KG	0.12UY	0.1UY	0.17UY	0.13UY	0.13UY	0.12UY
TOXAPHENE	MG/KG	0.24UY	0.2UY	0.33UY	0.25UY	0.26UY	0.24UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SEDIMENTS
PADUCAH PHASE II
SAMPLE ANALYSIS: PESTICIDES

SAMPLE ID:		12037	12038	12039	12040	12041	12042
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		NS004	NS005	OF1	OF2	FP001	FP002
SAMPLE DATE:		04/16/1991	04/16/1991	04/17/1991	04/17/1991	04/22/1991	04/16/1991
SAMPLE TIME:		15:30	14:45	13:45	15:00	17:00	11:10
SAMPLE MATRIX:		SD	SD	SD	SD	SD	SD
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
4,4'-DDD	MG/KG	0.022UY	0.027UY	0.028UY	0.031UY	0.018UY	0.024UY
4,4'-DDE	MG/KG	0.022UY	0.027UY	0.028UY	0.031UY	0.018UY	0.024UY
4,4'-DDT	MG/KG	0.022UY	0.027UY	0.028UY	0.031UY	0.018UY	0.024UY
ALDRIN	MG/KG	0.011UY	0.014UY	0.014UY	0.015UY	0.0092UY	0.012UY
ALPHA-CHLORDANE	MG/KG	0.11UY	0.14UY	0.14UY	0.15UY	0.092UY	0.12UY
AROCLOR-1016	MG/KG	0.11UY	0.14UY	0.14UY	0.15UY	0.092UY	0.12UY
AROCLOR-1221	MG/KG	0.11UY	0.14UY	0.14UY	0.15UY	0.092UY	0.12UY
AROCLOR-1232	MG/KG	0.11UY	0.14UY	0.14UY	0.15UY	0.092UY	0.12UY
AROCLOR-1242	MG/KG	0.11UY	0.14UY	0.14UY	0.15UY	0.092UY	0.12UY
AROCLOR-1248	MG/KG	0.11UY	0.14UY	0.14UY	0.15UY	0.092UY	0.12UY
AROCLOR-1254	MG/KG	0.22UY	0.27UY	0.28UY	0.31UY	0.18UY	0.24UY
AROCLOR-1260	MG/KG	0.22UY	0.27UY	0.28UY	0.31UY	0.18UY	0.24UY
BHC-ALPHA	MG/KG	0.011UY	0.014UY	0.014UY	0.015UY	0.0092UY	0.012UY
BHC-BETA	MG/KG	0.011UY	0.014UY	0.014UY	0.015UY	0.0092UY	0.012UY
BHC-DELTA	MG/KG	0.011UY	0.014UY	0.014UY	0.015UY	0.0092UY	0.012UY
BHC-GAMMA(LINDANE)	MG/KG	0.011UY	0.014UY	0.014UY	0.015UY	0.0092UY	0.012UY
DIELDRIN	MG/KG	0.022UY	0.027UY	0.028UY	0.031UY	0.018UY	0.024UY
ENDOSULFAN I	MG/KG	0.011UY	0.014UY	0.014UY	0.015UY	0.0092UY	0.012UY
ENDOSULFAN II	MG/KG	0.022UY	0.027UY	0.028UY	0.031UY	0.018UY	0.024UY
ENDOSULFAN SULFATE	MG/KG	0.022UY	0.027UY	0.028UY	0.031UY	0.018UY	0.024UY
ENDRIN	MG/KG	0.022UY	0.027UY	0.028UY	0.031UY	0.018UY	0.024UY
ENDRIN KETONE	MG/KG	0.022UY	0.027UY	0.028UY	0.031UY	0.018UY	0.024UY
GAMMA-CHLORDANE	MG/KG	0.11UY	0.14UY	0.14UY	0.15UY	0.092UY	0.12UY
HEPTACHLOR	MG/KG	0.011UY	0.014UY	0.014UY	0.015UY	0.0092UY	0.012UY
HEPTACHLOR EPOXIDE	MG/KG	0.011UY	0.014UY	0.014UY	0.015UY	0.0092UY	0.012UY
METHOXYCHLOR	MG/KG	0.11UY	0.14UY	0.14UY	0.15UY	0.092UY	0.12UY
TOXAPHENE	MG/KG	0.22UY	0.27UY	0.28UY	0.31UY	0.18UY	0.24UY

)ata Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SEDIMENTS
PADUCAH PHASE II
SAMPLE ANALYSIS: PESTICIDES

SAMPLE ID:	12043	12044	12045	12046	12047	12048
SUB-SAMPLE ID:	00000	DUP	00000	00000	00000	00000
STATION ID:	FP003	FP004	FP004	OF8	FP005	OF010
SAMPLE DATE:	04/22/1991	04/16/1991	04/16/1991	04/17/1991	04/22/1991	04/18/1991
SAMPLE TIME:	15:10	13:30	13:30	15:50	15:55	10:20
SAMPLE MATRIX:	SD	SD	SD	SD	SD	SD
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
4,4'-DDD MG/KG	0.021UY	0.023UY	0.023UY	0.021UY	0.019UY	0.026UY
4,4'-DDE MG/KG	0.021UY	0.023UY	0.023UY	0.021UY	0.019UY	0.026UY
4,4'-DDT MG/KG	0.021UY	0.023UY	0.023UY	0.021UY	0.019UY	0.026UY
ALDRIN MG/KG	0.011UY	0.011UY	0.011UY	0.01UY	0.0094UY	0.013UY
ALPHA-CHLORDANE MG/KG	0.11UY	0.11UY	0.11UY	0.1UY	0.094UY	0.13UY
AROCLOR-1016 MG/KG	0.11UY	0.11UY	0.11UY	0.1UY	0.094UY	0.13UY
AROCLOR-1221 MG/KG	0.11UY	0.11UY	0.11UY	0.1UY	0.094UY	0.13UY
AROCLOR-1232 MG/KG	0.11UY	0.11UY	0.11UY	0.1UY	0.094UY	0.13UY
AROCLOR-1242 MG/KG	0.11UY	0.11UY	0.11UY	0.1UY	0.094UY	0.13UY
AROCLOR-1248 MG/KG	0.11UY	0.11UY	0.11UY	0.1UY	0.094UY	0.13UY
AROCLOR-1254 MG/KG	0.21UY	0.23UY	0.23UY	0.21UY	0.19UY	0.26UY
AROCLOR-1260 MG/KG	0.21UY	0.23UY	0.23UY	0.21UY	0.19UY	0.26UY
BHC-ALPHA MG/KG	0.011UY	0.011UY	0.011UY	0.01UY	0.0094UY	0.013UY
BHC-BETA MG/KG	0.011UY	0.011UY	0.011UY	0.01UY	0.0094UY	0.013UY
BHC-DELTA MG/KG	0.011UY	0.011UY	0.011UY	0.01UY	0.0094UY	0.013UY
BHC-GAMMA(LINDANE) MG/KG	0.011UY	0.011UY	0.011UY	0.01UY	0.0094UY	0.013UY
DIELDRIN MG/KG	0.021UY	0.023UY	0.023UY	0.021UY	0.019UY	0.026UY
ENDOSULFAN I MG/KG	0.011UY	0.011UY	0.011UY	0.01UY	0.0094UY	0.013UY
ENDOSULFAN II MG/KG	0.021UY	0.023UY	0.023UY	0.021UY	0.019UY	0.026UY
ENDOSULFAN SULFATE MG/KG	0.021UY	0.023UY	0.023UY	0.021UY	0.019UY	0.026UY
ENDRIN MG/KG	0.021UY	0.023UY	0.023UY	0.021UY	0.019UY	0.026UY
ENDRIN KETONE MG/KG	0.021UY	0.023UY	0.023UY	0.021UY	0.019UY	0.026UY
GAMMA-CHLORDANE MG/KG	0.11UY	0.11UY	0.11UY	0.1UY	0.094UY	0.13UY
HEPTACHLOR MG/KG	0.011UY	0.011UY	0.011UY	0.01UY	0.0094UY	0.013UY
HEPTACHLOR EPOXIDE MG/KG	0.011UY	0.011UY	0.011UY	0.01UY	0.0094UY	0.013UY
METHOXYCHLOR MG/KG	0.11UY	0.11UY	0.11UY	0.1UY	0.094UY	0.13UY
TOXAPHENE MG/KG	0.21UY	0.23UY	0.23UY	0.21UY	0.19UY	0.26UY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SEDIMENTS
PADUCAH PHASE II
SAMPLE ANALYSIS: PESTICIDES

SAMPLE ID:		12049	12051	12052	12053	14134	14135
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		OF11A	OF11B	OF15A	OF15B	FP006	FP007
SAMPLE DATE:		04/18/1991	04/18/1991	04/18/1991	04/18/1991	04/29/1991	04/29/1991
SAMPLE TIME:		13:00	13:50	15:30	15:40	14:00	14:30
SAMPLE MATRIX:		SD	SD	SD	SD	SD	SD
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	5.00	0.50
4,4'-DDD	MG/KG	0.11UY	0.05UY	0.022UY	0.024UY		
4,4'-DDE	MG/KG	0.11UY	0.05UY	0.022UY	0.024UY		
4,4'-DDT	MG/KG	0.11UY	0.05UY	0.022UY	0.024UY		
ALDRIN	MG/KG	0.056UY	0.025UY	0.011UY	0.012UY		
ALPHA-CHLORDANE	MG/KG	0.56UY	0.25UY	0.11UY	0.12UY		
AROCLOR-1016	MG/KG	0.56UY	0.25UY	0.11UY	0.12UY	0.11UY	0.1UY
AROCLOR-1221	MG/KG	0.56UY	0.25UY	0.11UY	0.12UY	0.11UY	0.1UY
AROCLOR-1232	MG/KG	0.56UY	0.25UY	0.11UY	0.12UY	0.11UY	0.1UY
AROCLOR-1242	MG/KG	0.56UY	0.25UY	0.11UY	0.12UY	0.11UY	0.1UY
AROCLOR-1248	MG/KG	1.3DY	0.25UY	0.11UY	0.12UY	0.11UY	0.1UY
AROCLOR-1254	MG/KG	1.1UY	0.98DY	0.22UY	0.24UY	0.21UY	0.2UY
AROCLOR-1260	MG/KG	1.1DY	0.5UY	0.22UY	0.24UY	0.21UY	0.2UY
BHC-ALPHA	MG/KG	0.056UY	0.025UY	0.011UY	0.012UY		
BHC-BETA	MG/KG	0.056UY	0.025UY	0.011UY	0.012UY		
BHC-DELTA	MG/KG	0.056UY	0.025UY	0.011UY	0.012UY		
BHC-GAMMA(LINDANE)	MG/KG	0.056UY	0.025UY	0.011UY	0.012UY		
DIELDRIN	MG/KG	0.11UY	0.05UY	0.022UY	0.024UY		
ENDOSULFAN I	MG/KG	0.056UY	0.025UY	0.011UY	0.012UY		
ENDOSULFAN II	MG/KG	0.11UY	0.05UY	0.022UY	0.024UY		
ENDOSULFAN SULFATE	MG/KG	0.11UY	0.05UY	0.022UY	0.024UY		
ENDRIN	MG/KG	0.11UY	0.05UY	0.022UY	0.024UY		
ENDRIN KETONE	MG/KG	0.11UY	0.05UY	0.022UY	0.024UY		
GAMMA-CHLORDANE	MG/KG	0.56UY	0.25UY	0.11UY	0.12UY		
HEPTACHLOR	MG/KG	0.056UY	0.025UY	0.011UY	0.012UY		
HEPTACHLOR EPOXIDE	MG/KG	0.056UY	0.025UY	0.011UY	0.012UY		
METHOXYCHLOR	MG/KG	0.56UY	0.25UY	0.11UY	0.12UY		
TOXAPHENE	MG/KG	1.1UY	0.5UY	0.22UY	0.24UY		

Data Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:		14136	14137	14177
SUB-SAMPLE ID:		00000	00000	00000
STATION ID:		FP008	FP009	FP010
SAMPLE DATE:		04/29/1991	04/29/1991	05/07/1991
SAMPLE TIME:		15:15	16:00	09:55
SAMPLE MATRIX:		SD	SD	SD
UPPER DEPTH:		0.00	0.00	0.00
LOWER DEPTH:		5.00	0.50	0.50
4,4'-DDD				
4,4'-DDE				
4,4'-DDT				
ALDRIN				
ALPHA-CHLORDANE				
AROCLOR-1016	MG/KG	0.1UY	0.1UY	0.1UY
AROCLOR-1221	MG/KG	0.1UY	0.1UY	0.1UY
AROCLOR-1232	MG/KG	0.1UY	0.1UY	0.1UY
AROCLOR-1242	MG/KG	0.1UY	0.1UY	0.1UY
AROCLOR-1248	MG/KG	0.1UY	0.1UY	0.1UY
AROCLOR-1254	MG/KG	0.21UY	0.21UY	0.2UY
AROCLOR-1260	MG/KG	0.21UY	0.21UY	0.2UY
BHC-ALPHA				
BHC-BETA				
BHC-DELTA				
BHC-GAMMA(LINDANE)				
DIELDRIN				
ENDOSULFAN I				
ENDOSULFAN II				
ENDOSULFAN SULFATE				
ENDRIN				
ENDRIN KETONE				
GAMMA-CHLORDANE				
HEPTACHLOR				
HEPTACHLOR EPOXIDE				
METHOXYCHLOR				
TOXAPHENE				

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SEDIMENTS
PADUCAH PHASE II
SAMPLE ANALYSIS: DIOXINS/FURANS

SAMPLE ID:		12000	12001	12002	12003	12005	12011
SUB-SAMPLE ID:		00000	00000	DUP	00000	00000	00000
STATION ID:		WMU017	WMU018	WMU017	WMU038	WMU019	BBC001
SAMPLE DATE:		02/27/1991	02/28/1991	02/27/1991	03/01/1991	02/28/1991	04/19/1991
SAMPLE TIME:		16:00	13:00	16:00	12:45	14:00	09:30
SAMPLE MATRIX:		SD	SD	SD	SD	SD	SD
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
2,3,7,8-TETRACHLORODIBENZO-p-DIOXIN	MG/KG				0.0003UY		
2,3,7,8-TETRACHLORODIBENZOFURAN	MG/KG				0.0002UY		
TOTAL-HEPTACHLORODIBENZO-p-DIOXIN	MG/KG				0.0003UY		
TOTAL-HEPTACHLORODIBENZOFURAN	MG/KG				0.0002UY		
TOTAL-HEXACHLORODIBENZO-p-DIOXIN	MG/KG				0.0002UY		
TOTAL-HEXACHLORODIBENZOFURAN	MG/KG				0.0001UY		
TOTAL-OCTACHLORODIBENZO-p-DIOXIN	MG/KG				0.0015DY		
TOTAL-OCTACHLORODIBENZOFURAN	MG/KG				0.0004UY		
TOTAL-PENTACHLORODIBENZO-p-DIOXIN	MG/KG				0.0004UY		
TOTAL-PENTACHLORODIBENZOFURAN	MG/KG				0.0002UY		
TOTAL-TETRACHLORODIBENZO-p-DIOXIN	MG/KG				0.0003UY		
TOTAL-TETRACHLORODIBENZOFURAN	MG/KG				0.0002UY		

Data Format: value + detected flag + validated flag + qualifiers

APPENDIX 4A-8
Sediment: Inorganics

SAMPLE ID:		12000	12001	12002	12003	12005	12011
SUB-SAMPLE ID:		00000	00000	DUP	00000	00000	00000
STATION ID:		WMU017	WMU018	WMU017	WMU038	WMU019	BBC001
SAMPLE DATE:		02/27/1991	02/28/1991	02/27/1991	03/01/1991	02/28/1991	04/19/1991
SAMPLE TIME:		16:00	13:00	16:00	12:45	14:00	09:30
SAMPLE MATRIX:		SD	SD	SD	SD	SD	SD
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
ALUMINUM	MG/KG	3110DY	12100DY	3880DY	1140DY	9340DY	7350DYJE
ANTIMONY	MG/KG	352DYN	32.2DYB	425DYN	3.32UY	6.41UY	0.41UYNW
ARSENIC	MG/KG	23.6DYNS	27.4DY	24DYN	1.1DYB	20.1DY	5.1DY
BARIUM	MG/KG	123DYJ	209DY	152DYJ	13.7DYB	464DY	68.4DY
BERYLLIUM	MG/KG	1.75UY	3.9DY	1.8UY	0.18UY	4.4DY	3DY
CADMIUM	MG/KG	6.99UY	2.18UY	7.21UY	1.5DY	1.35UY	1.2DY
CALCIUM	MG/KG	15300DY	4630DY	19200DY	1350DY	43600DY	574DYJBE
CHROMIUM	MG/KG	17000DY	1960DY	22100DY	10.5DY	19.3DY	10.9DYJNE
COBALT	MG/KG	21.5DYJ	22.7DYB	20.4DYJ	4.3DYB	15.6DYB	5DYB
COPPER	MG/KG	264DY	296DYJ	335DY	69.6DYJ	136DYJ	6.5DY
CYANIDE	MG/KG	4.39UY	3.27UY	5.3UY	1.05UY	1.86UY	0.68UY
IRON	MG/KG	100000DY	22200DYJ	132000DY	4600DYJ	16100DYJ	8740DYJE
LEAD	MG/KG	9.5DYN	31.5DYJ	12.1DYN	11.3DYJ	27.4DYJ	14.2DY
MAGNESIUM	MG/KG	3620DYJ	2520DYB	4460DYJ	342DYB	1280DYB	817DYJE
MANGANESE	MG/KG	656DYN	351DYJ	885DYN	73.2DYJ	126DYJ	293DY
MERCURY	MG/KG	0.879UY	1.34DY	1.06UY	0.62DY	0.31DY	0.1UYN
NICKEL	MG/KG	71.7DY	220DY	59DYJ	30.9DY	68.8DY	10.3DYJE
POTASSIUM	MG/KG	1430UY	1140DYB	1470UY	176UY	1240DYB	369DYB
SELENIUM	MG/KG	2.56UYN	6.4DY	3.91UYN	0.38DYJ	1.2DYB	0.18DYJB
SILVER	MG/KG	8.74UY	6.2DY	9.02UY	3.5DY	79.2DY	1.4UY
SODIUM	MG/KG	1530DYJ	803DYB	1770DYJ	46.1DYB	303DYB	72.2DYB
THALLIUM	MG/KG	5.12UYNW	2.97UY	7.81UYNW	0.95UY	1.43UY	0.27UY
VANADIUM	MG/KG	6.99UY	48.4DY	7.21UY	1.4UY	57.2DY	22.4DYJN
ZINC	MG/KG	3240DY	504DYJ	4170DY	201DYJ	97.8DYJ	21.7DYJE

ta Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SEDIMENTS
PADUCAH PHASE II
SAMPLE ANALYSIS: INORGANICS

SAMPLE ID:	12012	12013	12014	12015	12016	12017
SUB-SAMPLE ID:	00000	00000	DUP	00000	00000	00000
STATION ID:	BBC002	BBC003	BBC003	BBC004	BBC005	BBC006
SAMPLE DATE:	04/19/1991	04/19/1991	04/19/1991	04/22/1991	04/19/1991	04/22/1991
SAMPLE TIME:	10:50	13:30	13:30	09:15	15:30	10:40
SAMPLE MATRIX:	SD	SD	SD	SD	SD	SD
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
ALUMINUM MG/KG	4250DYJE	1140DYJ	1950DYJ	1250DY*	1580DY*	1260DY*
ANTIMONY MG/KG	0.38UYNW	0.38UYNW	0.38UYNW	0.38UY	0.37UY	0.38UY
ARSENIC MG/KG	14.6DY	4.6DY	7.9DY	5.1DY	4.2DY	5DY
BARIUM MG/KG	65.2DY	16.7DYB	25.8DY	15.8DYB	15DYB	13.9DYB
BERYLLIUM MG/KG	7.8DY	3.6DY	8.8DY	7DYJ	17.6DYJ	9.8DYJ
CADMIUM MG/KG	2.3DY	1DY	1.4DY	0.88DY	2.5DY	1.1DY
CALCIUM MG/KG	489DYJBE	140DYJBE	227DYJBE	186DYB	274DYB	201DYB
CHROMIUM MG/KG	25.5DYJNE	8.6DYJNE	34DYJNE	11.6DY	25.7DY	16.3DY
COBALT MG/KG	12.4DY	4.5DYB	6DYB	3.4DYB	4.6DYB	3.2DYB
COPPER MG/KG	6.4DY	1.1UY	2.1DYJB	2.1DYB	4.7DY	1.9DYB
CYANIDE MG/KG	0.63UY	0.88UY	0.63UY	0.63UY	0.62UY	0.64UY
IRON MG/KG	23300DYJE	6350DYJE	14900DYJE	7050DY	17400DY	9670DY
LEAD MG/KG	16.4DY	4.1DY	7.7DYS	6.1DYJNS	5.9DYJN	6.5DYJN
MAGNESIUM MG/KG	396DYJBE	81.3DYJBE	145DYJBE	118DYB	131DYB	120DYB
MANGANESE MG/KG	1390DY	333DY	690DY	279DY	266DY	263DY
MERCURY MG/KG	0.1UYN	0.1UYN	0.1UYN	0.1UY	0.1UY	0.1UY
NICKEL MG/KG	15.8DYJE	4.3UYJBE	11.5DYJE	5.3DY	9.4DY	6.1DY
POTASSIUM MG/KG	227DYB	125UY	126UY	125UY	133DYB	127UY
SELENIUM MG/KG	0.39DYJB	0.13UYW	0.13UYW	0.15DYJB	0.12UY	0.13UYW
SILVER MG/KG	1.3UY	1.3UY	1.3UY	1.3UY	1.2UY	1.3UY
SODIUM MG/KG	25.1UY	30.1DYB	25.2UY	25UY	24.7UY	25.4UY
THALLIUM MG/KG	0.25UY	0.25UY	0.25UY	0.25UY	0.25UY	0.25UY
VANADIUM MG/KG	41.6DYJN	13.3DYJN	17.9DYJN	16.8DY	25.1DY	30DY
ZINC MG/KG	21.2DYJE	5.9DYJE	16.8DYJE	9DYJ	15.6DYJ	10.9DYJ

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SEDIMENTS
PADUCAH PHASE II
SAMPLE ANALYSIS: INORGANICS

SAMPLE ID:		12018	12019	12020	12021	12022	12023
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		BBC007	BBC008	BBC009	LBC009	LBC002	LBC003
SAMPLE DATE:		04/22/1991	04/16/1991	04/22/1991	04/22/1991	04/24/1991	04/23/1991
SAMPLE TIME:		14:15	09:00	11:30	16:15	08:45	15:10
SAMPLE MATRIX:		SD	SD	SD	SD	SD	SD
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
ALUMINUM	MG/KG	939DY*	5860DYJE	6200DY*	1450DY*	7140DY*	7600DY*
ANTIMONY	MG/KG	0.37UYW	0.39UYN	0.39UY	0.37UYW	0.52DYB	0.47UY
ARSENIC	MG/KG	2.2DY	2.2DY	3.6DY	6.4DY	4.4DY	6.2DY
BARIUM	MG/KG	7.4DYB	45.5DY	65.9DY	21.5DYB	84.3DY	67.3DY
BERYLLIUM	MG/KG	16.3DYJ	3.2DY	10.5DYJ	6.7DYJ	6.7DYJ	7.3DYJ
CADMIUM	MG/KG	1.2DY	0.65UY	1.2DY	1DY	0.92DY	0.78DY
CALCIUM	MG/KG	125DYB	356DYJBE	403DYB	293DYB	769DY	1640DY
CHROMIUM	MG/KG	20.5DY	10.8DYJNE	15.9DY	196DY	10.1DY	34.6DY
COBALT	MG/KG	3.7DYB	4.5UYJB	7DY	4.2DYB	6.3DYB	7.6DYB
COPPER	MG/KG	1.5DYB	6.6DY	4.9DY	12.2DY	7.3DY	8.7DY
CYANIDE	MG/KG	0.61UY	0.65UY	0.65UY	0.62UY	0.76UY	0.78UY
IRON	MG/KG	15600DY	9640DYJE	9950DY	11200DY	11000DY	11900DY
LEAD	MG/KG	3.2DYJNS	7DY	9.8DYJN	6.5DYJN	10.1DYJN	15.3DYJNS
MAGNESIUM	MG/KG	74DYB	754DYJE	678DY	142DYB	869DY	925DY
MANGANESE	MG/KG	140DY	272DY	365DY	159DY	875DY	299DY
MERCURY	MG/KG	0.1UY	0.1UYN	0.1UY	0.1UY	0.1UY	0.1UY
NICKEL	MG/KG	8.8DY	10.8DYJE	9.1DY	6.1DY	11.9DY	10DY
POTASSIUM	MG/KG	123UY	466DYB	466DYB	125UY	491DYB	442DYB
SELENIUM	MG/KG	0.12UY	0.25DYJB	0.17DYJB	0.2DYJB	0.35DYJB	0.3DYJB
SILVER	MG/KG	1.2UY	2.2DY	1.3UY	1.2UY	1.5UY	1.6UY
SODIUM	MG/KG	24.5UY	43.6DYJB	26UY	25UY	30.7DYJB	65.7DYJB
THALLIUM	MG/KG	0.25UY	0.26UY	0.26DYB	0.25UY	0.31UY	0.31UY
VANADIUM	MG/KG	12.4DY	12.2DYJN	29DY	20.3DY	19.7DY	54.5DY
ZINC	MG/KG	17.9DYJ	21.2DYJE	17.2DYJ	57.4DY	28.4DYJ	62DY

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SEDIMENTS
PADUCAH PHASE II
SAMPLE ANALYSIS: INORGANICS

SAMPLE ID:	12024	12025	12026	12027	12028	12029
SUB-SAMPLE ID:	00000	DUP	00000	00000	00000	00000
STATION ID:	LBC004	LBC004	LBC005	LBC006	LBC007	LBC008
SAMPLE DATE:	04/23/1991	04/23/1991	04/24/1991	04/24/1991	04/24/1991	04/25/1991
SAMPLE TIME:	13:30	13:30	13:00	14:20	10:00	08:30
SAMPLE MATRIX:	SD	SD	SD	SD	SD	SD
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
ALUMINUM MG/KG	3150DY*	3040DY*	4290DY*	1390DY*	2360DY*	687DY
ANTIMONY MG/KG	0.38UYW	0.38UY	0.55DYB	0.39UY	0.37UY	0.37UY
ARSENIC MG/KG	9.9DY	14.7DY	19.1DY	6.7DY	22.3DY	3.7DYJ
BARIUM MG/KG	49.2DY	35.3DY	67.2DY	23DYB	38DY	11.6DYJB
BERYLLIUM MG/KG	10.4DYJ	9.4DYJ	29.4DYJ	4.6DYJ	13.2DYJ	2.6DYJ
CADMIUM MG/KG	1.8DY	1.6DY	4.2DY	0.65DY	2.4DY	0.75DYJ
CALCIUM MG/KG	719DY	530DYB	2100DY	312DYB	509DYB	176DYJBE
CHROMIUM MG/KG	48.6DY	31.6DY	195DY	78.5DY	260DY	120DYJE
COBALT MG/KG	10.7DY	8.6DY	15.5DY	4.9DYB	7.8DY	3DYJB
COPPER MG/KG	6.3DY	4.5DY	14.6DY	2.8DYB	7.9DY	4.5DYJ
CYANIDE MG/KG	0.63UY	0.63UY	0.62UY	0.64UY	0.62UY	0.62UY
IRON MG/KG	16900DY	15200DY	51800DY	7740DY	21300DY	4380DYJE
LEAD MG/KG	14.5DYJN	25.4DYJN	20.7DYJNS	8.8DYJN	24.1DYJN	5.1DYJS
MAGNESIUM MG/KG	321DYB	337DYB	561DYB	143DYB	244DYB	68.4DYJBE
MANGANESE MG/KG	426DY	347DY	734DY	452DY	397DY	62.4DYJ
MERCURY MG/KG	0.1UY	0.1UY	0.1UY	0.1UY	0.1UY	0.1UY
NICKEL MG/KG	11.5DY	9.4DY	25.9DY	3.7DYB	10.5DY	2.9DYJB
POTASSIUM MG/KG	147DYB	182DYB	243DYB	129UY	135DYB	125UY
SELENIUM MG/KG	0.34DYJB	0.65DYJ	0.61DYJB	0.27DYJBW	0.41DYJB	0.12UYW
SILVER MG/KG	1.3UY	1.3UY	1.2UY	1.3UY	1.2UY	2.6DY
SODIUM MG/KG	40.4DYJB	25.2UY	24.8UY	25.8UY	24.8UY	25UY
THALLIUM MG/KG	0.25UY	0.25UY	0.25UY	0.26UY	0.25UY	0.25UY
VANADIUM MG/KG	33.1DY	43.2DY	53.5DY	22.5DY	61.1DY	10DYJ
ZINC MG/KG	31.1DYJ	29.6DYJ	132DYJ	75.6DYJ	130DYJ	52.7DYJ

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SEDIMENTS
PADUCAH PHASE II
SAMPLE ANALYSIS: INORGANICS

SAMPLE ID:	12031	12032	12033	12034	12035	12036
SUB-SAMPLE ID:	00000	00000	00000	DUP	00000	00000
STATION ID:	LBC001	LBC010	NS001	NS002	NS002	NS003
SAMPLE DATE:	04/23/1991	04/25/1991	04/18/1991	04/17/1991	04/17/1991	04/17/1991
SAMPLE TIME:	10:20	10:00	08:45	10:30	10:30	08:45
SAMPLE MATRIX:	SD	SD	SD	SD	SD	SD
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
ALUMINUM MG/KG	11400DY*	2280DY	17500DYJE	12200DYJE	13500DYJE	9340DYJE
ANTIMONY MG/KG	0.45UYW	0.37UY	0.84DYJBNW	0.5DYJBNW	0.83DYJBNW	1.4DYJBNW
ARSENIC MG/KG	12DY	3.8DYJ	33.7DY	13.6DY	13.3DY	6.4DY
BARIUM MG/KG	360DY	31.8DYJ	922DY	94.4DY	94DY	105DY
BERYLLIUM MG/KG	17.3DYJ	3.5DYJ	13.7DY	8.5DY	7.5DY	5.3DY
CADMIUM MG/KG	2.7DY	0.62UY	3.4DY	2.4DY	2.9DY	1.8DY
CALCIUM MG/KG	1690DY	1710DYJE	6060DYJE	20000DYJE	47400DYJE	2790DYJE
CHROMIUM MG/KG	20DY	51.3DYJE	42.5DYJNE	221DYJNE	155DYJNE	16.4DYJNE
COBALT MG/KG	22.1DY	3.6DYJB	50.7DY	10.2UYJ	8.4DY	6DYB
COPPER MG/KG	13.8DY	6.6DYJ	123DY	134DY	122DY	12.3DY
CYANIDE MG/KG	0.75UY	0.62UY	1UY	0.76UY	0.81UY	0.73UY
IRON MG/KG	28100DY	5760DYJE	25900DYJE	27000DYJE	20100DYJE	13900DYJE
LEAD MG/KG	29DYJN	6.9DYJ	36.5DYS	35.5DY	29.9DY	9.8DY
MAGNESIUM MG/KG	1570DY	261DYJBE	1960DYJE	1580DYJE	1800DYJE	1290DYJE
MANGANESE MG/KG	4020DY	129DYJ	4150DY	585DY	464DY	349DY
MERCURY MG/KG	0.1UY	0.1UY	0.2UYN	0.1DYJN	0.2DYJN	0.1UYN
NICKEL MG/KG	21.1DY	5DYJ	73.5DYJE	89.2DYJE	85.7DYJE	17DYJE
POTASSIUM MG/KG	770DY	125UY	1910DY	920DY	1350DY	605DYB
SELENIUM MG/KG	0.7DYJB	0.19DYJB	6.2DYJ	0.15UYW	0.21DYJB	0.15UY
SILVER MG/KG	3.7DY	1.2UY	3.8DY	5.5DY	8.1DY	1.5UY
SODIUM MG/KG	29.9UY	41.7DYJB	676DYB	103DYJB	182DYB	60.1DYJB
THALLIUM MG/KG	0.3UY	0.25UY	1.3DYB	0.3UYW	0.32UY	0.29UYW
VANADIUM MG/KG	46.3DY	9.6DYJ	80.7DYJN	19.4DYJN	39DYJN	25.1DYJN
ZINC MG/KG	47.7DYJ	20DYJ	100DYJE	171DYJE	174DYJE	36DYJE

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SEDIMENTS
PADUCAH PHASE II
SAMPLE ANALYSIS: INORGANICS

SAMPLE ID:		12037	12038	12039	12040	12041	12042
SUB-SAMPLE ID:		00000	00000	00000	00000	00000	00000
STATION ID:		NS004	NS005	OF1	OF2	FP001	FP002
SAMPLE DATE:		04/16/1991	04/16/1991	04/17/1991	04/17/1991	04/22/1991	04/16/1991
SAMPLE TIME:		15:30	14:45	13:45	15:00	17:00	11:10
SAMPLE MATRIX:		SD	SD	SD	SD	SD	SD
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
ALUMINUM	MG/KG	9830DYJE	11700DYJE	7460DYJE	10700DYJE	6130DY*	13900DYJE
ANTIMONY	MG/KG	0.41UYNW	1DYJBNW	0.53UYNW	0.57UYNW	0.34UY	0.46UYN
ARSENIC	MG/KG	4.7DY	7.7DY	3.9DY	4.5DY	2.7DY	4.8DY
BARIUM	MG/KG	58.1DY	105DY	63.2DY	83.8DY	65.6DY	147DY
BERYLLIUM	MG/KG	3.6DY	6.5DY	4.4DY	6.1DY	8.5DYJ	5.9DY
CADMIUM	MG/KG	0.69UY	1.9DY	0.88DY	1.9DY	0.8DY	1.1DY
CALCIUM	MG/KG	1800DYJE	16900DYJE	2110DYJE	2100DYJE	825DY	1950DYJE
CHROMIUM	MG/KG	13.6DYJNE	20.7DYJNE	80.8DYJNE	58.8DYJNE	10.2DY	18.1DYJNE
COBALT	MG/KG	5.8UYJB	10.9DY	6DYB	9.4DYB	4.7DYB	9.3UYJ
COPPER	MG/KG	7.9DY	12.2DY	17.4DY	17.9DY	4.6DY	12.3DY
CYANIDE	MG/KG	0.69UY	0.85UY	0.88UY	0.95UY	0.57UY	0.76UY
IRON	MG/KG	11400DYJE	20500DYJE	11800DYJE	16800DYJE	8030DY	16100DYJE
LEAD	MG/KG	8.9DY	15.3DY	9.5DY	14.1DYS	10.2DYJN	10.2DYS
MAGNESIUM	MG/KG	805DYJE	1920DYJE	1120DYJE	1210DYJE	684DY	1480DYJE
MANGANESE	MG/KG	181DY	1450DY	248DY	323DY	561DY	1400DY
MERCURY	MG/KG	0.1UYN	0.1UYN	0.1UYN	0.1UYN	0.1UY	0.1UYN
NICKEL	MG/KG	10.2DYJE	21.2DYJE	20.4DYJE	17.7DYJE	8.6DY	21.5DYJE
POTASSIUM	MG/KG	548DYB	793DYB	493DYB	490DYB	420DYB	1190DY
SELENIUM	MG/KG	0.19DYJB	0.25DYJB	0.18UYW	0.19UY	0.14DYJB	0.58DYJB
SILVER	MG/KG	1.4UY	1.7UY	1.8UY	1.9UY	1.1UY	1.5UY
SODIUM	MG/KG	74.6DYJB	77.9DYJB	140DYB	90.6DYJB	23UY	77.6DYJB
THALLIUM	MG/KG	0.28UYW	0.34UY	0.35UYW	0.38UYW	0.23UYW	0.3UY
VANADIUM	MG/KG	27DYJN	23.3DYJN	18.9DYJN	28.4DYJN	18.7DY	20.5DYJN
ZINC	MG/KG	24.9DYJE	55.3DYJE	76.2DYJE	76.9DYJE	21.6DYJ	64.8DYJE

Data Format: value + detected flag + validated flag + qualifiers

SAMPLE ID:		12043	12044	12045	12046	12047	12048
SUB-SAMPLE ID:		00000	DUP	00000	00000	00000	00000
STATION ID:		FP003	FP004	FP004	OF8	FP005	OF010
SAMPLE DATE:		04/22/1991	04/16/1991	04/16/1991	04/17/1991	04/22/1991	04/18/1991
SAMPLE TIME:		15:10	13:30	13:30	15:50	15:55	10:20
SAMPLE MATRIX:		SD	SD	SD	SD	SD	SD
UPPER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:		0.00	0.00	0.00	0.00	0.00	0.00
ALUMINUM	MG/KG	2770DY*	14000DYJE	12300DYJE	5020DYJE	2280DY*	8270DYJE
ANTIMONY	MG/KG	0.4UY	0.42UYN	0.42UYNW	0.39UYNW	0.35UY	0.49UYNW
ARSENIC	MG/KG	2.1DY	7.8DY	7.8DY	2.4DY	2.8DY	5DY
BARIUM	MG/KG	32.1DY	124DY	121DY	33.2DY	38DY	74.6DY
BERYLLIUM	MG/KG	3.3DYJ	5.6UY	5.4DY	3DY	3.2DYJ	4.6DY
CADMIUM	MG/KG	0.67UY	1.4DY	2.1DY	1.4DY	0.71DY	2.1DY
CALCIUM	MG/KG	964DY	2180DYJE	2120DYJE	822DYJE	796DY	2200DYJE
CHROMIUM	MG/KG	7.1DY	16.9DYJNE	15.9DYJNE	10.9DYJNE	107DY	30.8DYJNE
COBALT	MG/KG	4.7DYB	8UYJ	9.8UYJ	5.1DYB	4DYB	6.5DYB
COPPER	MG/KG	3.6DY	12.7DY	13.6DY	6.6DY	10DY	13.4DY
CYANIDE	MG/KG	0.67UY	0.7UY	0.71UY	0.65UY	0.59UY	0.82UY
IRON	MG/KG	5660DY	16400DYJE	15900DYJE	8410DYJE	5240DY	13300DYJE
LEAD	MG/KG	5.9DYJN	22.7DY	22.1DY	7.4DYS	6.6DYJN	9.5DY
MAGNESIUM	MG/KG	348DYB	1810DYJE	1670DYJE	649DYJBE	262DYB	1130DYJE
MANGANESE	MG/KG	267DY	1070DY	1060DY	213DY	230DY	209DY
MERCURY	MG/KG	0.1UY	0.1UYN	0.1UYN	0.1UYN	0.1UY	0.1UYN
NICKEL	MG/KG	5.5DY	22.8DYJE	19.3DYJE	8.1DYJE	5.1DY	19.7DYJE
POTASSIUM	MG/KG	210DYB	1000DY	953DY	229DYB	164DYB	409DYB
SELENIUM	MG/KG	0.13UY	0.57DYJB	0.54DYJB	0.13UY	0.17DYJB	0.29DYJB
SILVER	MG/KG	1.3UY	1.4UY	1.4UY	1.3UY	1.2UY	6.5DY
SODIUM	MG/KG	26.7UY	34.9DYJB	38.2DYJB	76.5DYJB	23.6UY	95.6DYB
THALLIUM	MG/KG	0.27UY	0.28UYW	0.28UYW	0.26UYW	0.24UY	0.33UY
VANADIUM	MG/KG	13.7DY	30.7DYJN	29.3DYJN	14.6DYJN	13.7DY	22.5DYJN
ZINC	MG/KG	14.3DYJ	50.6DYJE	46.6DYJE	19.1DYJE	29DY	92.2DYJE

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SEDIMENTS
PADUCAH PHASE II
SAMPLE ANALYSIS: INORGANICS

SAMPLE ID:	12049	12051	12052	12053	14134	14135
SUB-SAMPLE ID:	00000	00000	00000	00000	00000	00000
STATION ID:	OF11A	OF11B	OF15A	OF15B	FP006	FP007
SAMPLE DATE:	04/18/1991	04/18/1991	04/18/1991	04/18/1991	04/29/1991	04/29/1991
SAMPLE TIME:	13:00	13:50	15:30	15:40	14:00	14:30
SAMPLE MATRIX:	SD	SD	SD	SD	SD	SD
UPPER DEPTH:	0.00	0.00	0.00	0.00	0.00	0.00
LOWER DEPTH:	0.00	0.00	0.00	0.00	5.00	0.50
ALUMINUM MG/KG	10800DYJE	9500DYJE	13100DYJE	9360DYJE	7120DY	7020DY
ANTIMONY MG/KG	0.42UYNW	0.47UYNW	0.48UYNW	0.49UYNW	0.39UY	0.38UY
ARSENIC MG/KG	12.5DY	3.5DY	9.7DY	9.2DY	4.9DYJ	5.2DYJ
BARIUM MG/KG	101DY	103DY	192DY	108DY	103DYJ	99.6DYJ
BERYLLIUM MG/KG	7.4DY	4.3DY	7.7DY	4.6DY	6.7DYJ	7.1DYJ
CADMIUM MG/KG	2.3DY	1.9DY	1.9DY	2DY	1.1DYJ	1DYJ
CALCIUM MG/KG	6080DYJE	1750DYJE	2890DYJE	2290DYJE	2640DYJE	2080DYJE
CHROMIUM MG/KG	78DYJNE	160DYJNE	22.7DYJNE	14.9DYJNE	11.4DYJE	10.8DYJE
COBALT MG/KG	10.9DY	4.8DYB	62.1DY	6.9DYB	6.7DYJ	6.4DYJ
COPPER MG/KG	27.5DY	39.7DY	18.8DY	13.1DY	10DYJ	9.6DYJ
CYANIDE MG/KG	0.71UY	0.78UY	0.8UY	0.82UY	0.66UY	0.63UY
IRON MG/KG	20500DYJE	12600DYJE	22200DYJE	13700DYJE	11100DYJE	11400DYJE
LEAD MG/KG	28.2DY	11.8DY	18.3DY	12.6DY	21.2DYJ	14.9DYJ
MAGNESIUM MG/KG	1730DYJE	1240DYJE	1820DYJE	1290DYJE	1070DYJE	935DYJE
MANGANESE MG/KG	593DY	97.4DY	1500DY	365DY	819DYJ	582DYJ
MERCURY MG/KG	0.1UYN	0.1UYN	0.1UYN	0.1UYN	0.1UY	0.1UY
NICKEL MG/KG	24.9DYJE	13.3DYJE	33.9DYJE	20.6DYJE	11.7DYJ	10.8DYJ
POTASSIUM MG/KG	545DYB	546DYB	594DYB	679DYB	645DYB	526UY
SELENIUM MG/KG	0.17DYJB	0.16UY	0.16UY	0.21DYJB	0.21DYJB	0.28DYJB
SILVER MG/KG	1.4UY	1.6UY	3.4DY	1.6UY	1.3UY	1.8DY
SODIUM MG/KG	118DYB	91.8DYB	105DYB	99.2DYB	26.3UY	71.3DYJB
THALLIUM MG/KG	0.28UY	0.31UY	0.32UY	0.34DYB	0.26UY	0.25UY
VANADIUM MG/KG	42.9DYJN	24.3DYJN	37.8DYJN	34.1DYJN	19.7DYJ	21.6DYJ
ZINC MG/KG	169DYJE	112DYJE	59.3DYJE	44.7DYJE	49.4DYJ	39.4DYJ

Data Format: value + detected flag + validated flag + qualifiers

EDMS CHEMICAL OBSERVATIONS MATRIX
SEDIMENTS
PADUCAH PHASE II
SAMPLE ANALYSIS: INORGANICS

SAMPLE ID:		14136	14137	14177
SUB-SAMPLE ID:		00000	00000	00000
STATION ID:		FP008	FP009	FP010
SAMPLE DATE:		04/29/1991	04/29/1991	05/07/1991
SAMPLE TIME:		15:15	16:00	09:55
SAMPLE MATRIX:		SD	SD	SD
UPPER DEPTH:		0.00	0.00	0.00
LOWER DEPTH:		5.00	0.50	0.50
ALUMINUM	MG/KG	5680DY	9270DY	6670DY
ANTIMONY	MG/KG	0.39UY	0.39UY	0.38UYN
ARSENIC	MG/KG	3.9DYJ	13.9DYJ	2.9DY
BARIUM	MG/KG	98.8DYJ	121DYJ	66DYJ
BERYLLIUM	MG/KG	5.1DYJ	9.4DYJ	8.9DY
CADMIUM	MG/KG	0.64DYJ	1.5DYJ	1DYJN
CALCIUM	MG/KG	645DYJE	1470DYJE	275DYJB*
CHROMIUM	MG/KG	8.1DYJE	15.1DYJE	10.6DY
COBALT	MG/KG	5.8DYJB	8.1DYJ	4.1DYB
COPPER	MG/KG	6.6DYJ	8.9DYJ	5.3DY
CYANIDE	MG/KG	0.64UY	0.64UY	0.63UY
IRON	MG/KG	8170DYJE	15100DYJE	11100DY
LEAD	MG/KG	17.1DYJS	24DYJS	7.8DYJ
MAGNESIUM	MG/KG	803DYJE	1240DYJE	628DYJ*
MANGANESE	MG/KG	783DYJ	1200DYJ	489DYJN*
MERCURY	MG/KG	0.2UY	0.3UY	0.1UY
NICKEL	MG/KG	9.9DYJ	14DYJ	8.5DY
POTASSIUM	MG/KG	548DYB	492DYB	308DYB
SELENIUM	MG/KG	0.24DYJB	0.9DYJ	0.22UYJB*
SILVER	MG/KG	1.3UY	1.3UY	1.4DYJ
SODIUM	MG/KG	25.7UY	37.4DYJB	59.9DYB
THALLIUM	MG/KG	0.26UY	0.26UY	0.25UYW
VANADIUM	MG/KG	22.3DYJ	40.1DYJ	16.5DY
ZINC	MG/KG	25.3DYJ	38.7DYJ	21.4DYJNE

Data Format: value + detected flag + validated flag + qualifiers

APPENDIX 4A-9
Sediment: Radioactivity

EDMS CHEMICAL OBSERVATIONS MATRIX
SEDIMENTS - RADIOLOGICAL
PHASE II

SAMPLE ID:	12000	12001	12002
SUB-SAMPLE ID:	00000	00000	00000
STATION ID:	WMU017	WMU018	WMU017
SAMPLE DATE:	02/27/1991	02/28/1991	02/27/1991
SAMPLE TIME:	16:00	13:00	16:00
SAMPLE MATRIX:	SD	SD	SD
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/G	7.9 +/- 3.5DYJW	310 +/- 30DYJW	10 +/- 4DYJW
GROSS BETA			
GROSS BETA FOR S ANALYSIS PCI/G	54 +/- 4DYJW	2000 +/- 100DYJW	49 +/- 4DYJW
NEPTUNIUM-237 PCI/G	0.1UY	23.5 +/- 2.4DY	0.09UY
PLUTONIUM-239 PCI/G	0.2UYRC	4.6 +/- 0.7DYRC	0.062 +/- 0.042DYRC
TECHNETIUM-99 PCI/G	94 +/- 5DYJC	4700 +/- 100DY	47 +/- 3DY
THORIUM-230 PCI/G	4.2 +/- 0.5DYRC	8.3 +/- 0.3DYJC	12 +/- 1DYRC
URANIUM-234 PCI/G	5.2 +/- 0.3DYRC	92 +/- 2DYRC	4.5 +/- 0.3DYRC
URANIUM-235 PCI/G	0.19 +/- 0.06DYRC	10 +/- 1DYRC	0.15 +/- 0.05DYRC
URANIUM-238 PCI/G	8.8 +/- 0.4DYRC	240 +/- 10DYRC	8.2 +/- 0.4DYRC

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	12003	12005	12011
SUB-SAMPLE ID:	00000	00000	00000
STATION ID:	WMU038	WMU019	BBC001
SAMPLE DATE:	03/01/1991	02/28/1991	04/19/1991
SAMPLE TIME:	12:45	14:00	09:30
SAMPLE MATRIX:	SD	SD	SD
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/G	20 +/- 5DYJA	31 +/- 6DYJW	6.4 +/- 3.2DYJW
GROSS BETA			
GROSS BETA FOR S ANALYSIS PCI/G	46 +/- 4DYJA	140 +/- 10DYJW	21 +/- 3DYJW
NEPTUNIUM-237 PCI/G	0.254 +/- 0.025DY	0.08UYJ	0.03UY
PLUTONIUM-239 PCI/G	0.008UY	0.05UY	0.005UY
TECHNETIUM-99 PCI/G	29 +/- 2DY	210 +/- 10DY	0.6UYJC
THORIUM-230 PCI/G	0.39 +/- 0.19DYRC	0.6 +/- 0.06DY	0.12 +/- 0.02DYJC
URANIUM-234 PCI/G	17 +/- 1DYJC	45 +/- 1DYRC	0.073 +/- 0.022DY
URANIUM-235 PCI/G	0.71 +/- 0.09DYJC	1.4 +/- 0.2DYRC	0.005UYJC
URANIUM-238 PCI/G	27 +/- 1DYJC	48 +/- 1DYRC	0.083 +/- 0.024DY

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	12012	12013	12014
SUB-SAMPLE ID:	00000	00000	00000
STATION ID:	BBC002	BBC003	BBC003
SAMPLE DATE:	04/19/1991	04/19/1991	04/19/1991
SAMPLE TIME:	10:50	13:30	13:30
SAMPLE MATRIX:	SD	SD	SD
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/G	4.4 +/- 2.8DYJW	3UY	3UYJW
GROSS BETA			
GROSS BETA FOR S ANALYSIS PCI/G	7.9 +/- 2DYJW	2UYJW	2UYJW
NEPTUNIUM-237 PCI/G	0.02UY	0.02UY	0.02UY
PLUTONIUM-239 PCI/G	0.003UY	0.006UY	0.021 +/- 0.007DYJC
TECHNETIUM-99 PCI/G	0.7UYJC	0.7UYJC	0.5UYJC
THORIUM-230 PCI/G	0.15 +/- 0.02DYJC	0.053 +/- 0.011DYJC	0.062 +/- 0.019DY
URANIUM-234 PCI/G	0.27 +/- 0.04DY	2.4 +/- 0.7DY	0.13 +/- 0.06DYRC
URANIUM-235 PCI/G	0.02 +/- 0.012DYJC	0.2UYJC	0.02UYRC
URANIUM-238 PCI/G	0.26 +/- 0.04DY	2.8 +/- 0.8DY	0.14 +/- 0.06DYRC

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

EDMS CHEMICAL OBSERVATIONS MATRIX
SEDIMENTS - RADIOLOGICAL
PHASE 11

SAMPLE ID:	12015	12016	12017
SUB-SAMPLE ID:	00000	00000	00000
STATION ID:	BBC004	BBC005	BBC006
SAMPLE DATE:	04/22/1991	04/19/1991	04/22/1991
SAMPLE TIME:	09:15	15:30	10:40
SAMPLE MATRIX:	SD	SD	SD
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/G	3UYJW	3UYJW	3UYJW
GROSS BETA PCI/G			1.8 +/- 1.1DYJW
GROSS BETA FOR S ANALYSIS PCI/G	3.2 +/- 1.1DYJW	2UYJW	
NEPTUNIUM-237 PCI/G	0.01UY	0.02UYJA	0.02UY
PLUTONIUM-239 PCI/G	1.8 +/- 0.1DYJD	0.0036 +/- 0.0035DY	0.005UYJC
TECHNETIUM-99 PCI/G	0.6UY	0.5UYJC	0.6UY
THORIUM-230 PCI/G	0.048 +/- 0.011DYJC	0.061 +/- 0.04DYRC	0.047 +/- 0.021DYJC
URANIUM-234 PCI/G	0.029 +/- 0.011DYJC	0.13 +/- 0.03DYJC	0.18 +/- 0.03DYJC
URANIUM-235 PCI/G	0.005UYJC	0.005UYJC	0.015 +/- 0.009DYJC
URANIUM-238 PCI/G	0.023 +/- 0.01DYJC	0.12 +/- 0.03DYJC	0.35 +/- 0.04DYJC

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:		12018	12019	12020
SUB-SAMPLE ID:		00000	00000	00000
STATION ID:		BBC007	BBC008	BBC009
SAMPLE DATE:		04/22/1991	04/16/1991	04/22/1991
SAMPLE TIME:		14:15	09:00	11:30
SAMPLE MATRIX:		SD	SD	SD
UPPER DEPTH:				
LOWER DEPTH:				
GROSS ALPHA	PCI/G	3UYJW	6.1 +/- 3.1DYJW	6.4 +/- 3.4DYJW
GROSS BETA	PCI/G	3.2 +/- 1.7DYJW		12 +/- 2DYJW
GROSS BETA FOR S ANALYSIS	PCI/G		22 +/- 3DYJW	
NEPTUNIUM-237	PCI/G	0.02UY	0.02UY	0.02UY
PLUTONIUM-239	PCI/G	0.12 +/- 0.02DYJ	0.003UY	1.1 +/- 0.1DYJ
TECHNETIUM-99	PCI/G	0.6UY	2.9 +/- 0.7DYJC	0.5UY
THORIUM-230	PCI/G	0.1 +/- 0.02DYJC	0.2 +/- 0.04DYJC	0.21 +/- 0.02DYJC
URANIUM-234	PCI/G	0.79 +/- 0.06DYJC	0.31 +/- 0.03DY	0.12 +/- 0.02DYJC
URANIUM-235	PCI/G	0.038 +/- 0.013DYJC	0.015 +/- 0.007DY	0.004UYJC
URANIUM-238	PCI/G	1.2 +/- 0.1DYJC	0.39 +/- 0.04DYJC	0.12 +/- 0.02DYJC

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

EDMS CHEMICAL OBSERVATIONS MATRIX
SEDIMENTS - RADIOLOGICAL
PHASE II

SAMPLE ID:	12021	12022	12023
SUB-SAMPLE ID:	00000	00000	00000
STATION ID:	LBC009	LBC002	LBC003
SAMPLE DATE:	04/22/1991	04/24/1991	04/23/1991
SAMPLE TIME:	16:15	08:45	15:10
SAMPLE MATRIX:	SD	SD	SD
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/G	3UYJW	5 +/- 3.4DYJW	5 +/- 2.9DYJW
GROSS BETA PCI/G	12 +/- 2DYJW		
GROSS BETA FOR S ANALYSIS PCI/G		21 +/- 3DYJW	13 +/- 2DYJW
NEPTUNIUM-237 PCI/G	0.03UY	0.05UY	0.04UY
PLUTONIUM-239 PCI/G	31 +/- 3DYJC	0.005UY	0.023 +/- 0.008DY
TECHNETIUM-99 PCI/G	6.1 +/- 0.8DY	0.7UYJD	1.2 +/- 0.5DY
THORIUM-230 PCI/G	8.1 +/- 0.3DYJC	0.32 +/- 0.05DYJD	0.22 +/- 0.03DYJC
URANIUM-234 PCI/G	1.4 +/- 0.1DYJC	0.23 +/- 0.04DYJD	0.35 +/- 0.03DYRC
URANIUM-235 PCI/G	0.07 +/- 0.018DYJC	0.006UYJD	0.008 +/- 0.0039DYRC
URANIUM-238 PCI/G	4.1 +/- 0.1DYJC	0.27 +/- 0.05DYJD	0.74 +/- 0.04DYRC

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	12024	12025	12026
SUB-SAMPLE ID:	00000	00000	00000
STATION ID:	LBC004	LBC004	LBC005
SAMPLE DATE:	04/23/1991	04/23/1991	04/24/1991
SAMPLE TIME:	13:30	13:30	13:00
SAMPLE MATRIX:	SD	SD	SD
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/G	4.1 +/- 2.7DYJW	3UYJW	5.8 +/- 3.5DYJW
GROSS BETA			
GROSS BETA FOR S ANALYSIS PCI/G	15 +/- 2DYJW	32 +/- 3DYJW	28 +/- 3DYJW
NEPTUNIUM-237 PCI/G	0.03UY	0.02UY	0.01UY
PLUTONIUM-239 PCI/G	0.007UY	0.006UYJC	0.004UYRBN
TECHNETIUM-99 PCI/G	0.55 +/- 0.4DY	0.5UY	0.7UYJD
THORIUM-230 PCI/G	0.2 +/- 0.03DYJC	0.02 +/- 0.03DYJC	0.26 +/- 0.05DYJD
URANIUM-234 PCI/G	0.94 +/- 0.05DY	1.1 +/- 0.1DYJC	1.8 +/- 0.1DYJD
URANIUM-235 PCI/G	0.043 +/- 0.012DY	0.065 +/- 0.029DYJC	0.098 +/- 0.028DYJD
URANIUM-238 PCI/G	6.5 +/- 0.1DY	6.4 +/- 0.3DYJC	10 +/- 1DYJD

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	12027	12028	12029
SUB-SAMPLE ID:	00000	00000	00000
STATION ID:	LBC006	LBC007	LBC008
SAMPLE DATE:	04/24/1991	04/24/1991	04/25/1991
SAMPLE TIME:	14:20	10:00	08:30
SAMPLE MATRIX:	SD	SD	SD
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/G	4UYJW	4UYJW	4UYJW
GROSS BETA FOR S ANALYSIS PCI/G	8 +/- 2DYJW	9.3 +/- 2.1DYJW	12 +/- 2DYJW
NEPTUNIUM-237 PCI/G	0.009UY	0.02UY	0.02UYJA
PLUTONIUM-239 PCI/G	0.004UYRBN	0.005UYRBN	0.003UYRBN
TECHNETIUM-99 PCI/G	0.8UYJD	1.2 +/- 0.8DYJD	19 +/- 2DYJD
THORIUM-230 PCI/G	0.049 +/- 0.015DYJD	0.11 +/- 0.02DYJD	0.071 +/- 0.021DYJD
URANIUM-234 PCI/G	0.43 +/- 0.04DYJD	0.79 +/- 0.07DY	0.7 +/- 0.06DYJD
URANIUM-235 PCI/G	0.032 +/- 0.011DYJD	0.056 +/- 0.02DYJC	0.037 +/- 0.015DYJD
URANIUM-238 PCI/G	2.3 +/- 0.1DYJD	4.3 +/- 0.2DYJC	4.1 +/- 0.2DYJD

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:		12031	12032	12033
SUB-SAMPLE ID:		00000	00000	00000
STATION ID:		LBC001	LBC010	NS001
SAMPLE DATE:		04/23/1991	04/25/1991	04/18/1991
SAMPLE TIME:		10:20	10:00	08:45
SAMPLE MATRIX:		SD	SD	SD
UPPER DEPTH:				
LOWER DEPTH:				
GROSS ALPHA	PCI/G	3UYJW	4UYJW	17 +/- 5DYJW
GROSS BETA FOR S ANALYSIS	PCI/G	17 +/- 3DYJW	6.3 +/- 1.9DYJW	140 +/- 10DYJW
NEPTUNIUM-237	PCI/G	0.04UY	0.03UY	0.99 +/- 0.048DY
PLUTONIUM-239	PCI/G	0.005UY	0.19 +/- 0.03DYJD	0.29 +/- 0.03DYJC
TECHNETIUM-99	PCI/G	0.67 +/- 0.37DY	4.1 +/- 0.8DYJD	0.9 +/- 0.58DYJC
THORIUM-230	PCI/G	0.16 +/- 0.03DYJC	3 +/- 0.1DYJD	3 +/- 0.1DY
URANIUM-234	PCI/G	0.35 +/- 0.05DYJC	0.82 +/- 0.05DYJC	8.8 +/- 0.2DY
URANIUM-235	PCI/G	0.005UYJC	0.029 +/- 0.01DYJC	0.37 +/- 0.03DYJC
URANIUM-238	PCI/G	0.37 +/- 0.05DYJC	2.3 +/- 0.1DYJC	12 +/- 1DY

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	12034	12035	12036
SUB-SAMPLE ID:	00000	00000	00000
STATION ID:	NS002	NS002	NS003
SAMPLE DATE:	04/17/1991	04/17/1991	04/17/1991
SAMPLE TIME:	10:30	10:30	08:45
SAMPLE MATRIX:	SD	SD	SD
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/G	37 +/- 7DYJW	51 +/- 8DYJW	4.7 +/- 2.6DYJW
GROSS BETA			
GROSS BETA FOR S ANALYSIS PCI/G	160 +/- 10DYJW	170 +/- 10DYJW	25 +/- 3DYJW
NEPTUNIUM-237 PCI/G	4.5 +/- 0.09DY	5.38 +/- 0.54DY	0.04UY
PLUTONIUM-239 PCI/G	8.5 +/- 0.1DYJC	3.2 +/- 0.1DYRC	0.048 +/- 0.01DYRC
TECHNETIUM-99 PCI/G	470 +/- 10DYJC	450 +/- 10DYJC	6.7 +/- 1.3DYJC
THORIUM-230 PCI/G	88 +/- 1DYRC	74 +/- 1DYJC	1 +/- 0.1DY
URANIUM-234 PCI/G	20 +/- 1DYRC	18 +/- 1DYRC	0.53 +/- 0.04DY
URANIUM-235 PCI/G	0.95 +/- 0.16DYRC	0.62 +/- 0.13DYRC	0.021 +/- 0.009DY
URANIUM-238 PCI/G	28 +/- 1DYRC	25 +/- 1DYRC	0.62 +/- 0.05DYJC

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	12037	12038	12039
SUB-SAMPLE ID:	00000	00000	00000
STATION ID:	NS004	NS005	OF1
SAMPLE DATE:	04/16/1991	04/16/1991	04/17/1991
SAMPLE TIME:	15:30	14:45	13:45
SAMPLE MATRIX:	SD	SD	SD
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/G	3.8 +/- 2.7DYJW	6.1 +/- 3.1DYJW	11 +/- 4DYJW
GROSS BETA FOR S ANALYSIS PCI/G	12 +/- 2DYJW	17 +/- 3DYJW	47 +/- 4DYJW
NEPTUNIUM-237 PCI/G	0.04UY	0.04UY	0.05UY
PLUTONIUM-239 PCI/G	0.037 +/- 0.011DY	0.006UYJC	0.036 +/- 0.009DYRC
TECHNETIUM-99 PCI/G	3.7 +/- 0.9DYJC	4.9 +/- 1.1DYJC	67 +/- 3DYJC
THORIUM-230 PCI/G	0.55 +/- 0.08DYJC	0.37 +/- 0.06DYJC	0.47 +/- 0.02DYRC
URANIUM-234 PCI/G	0.87 +/- 0.06DY	0.52 +/- 0.05DY	2.9 +/- 0.2DYRC
URANIUM-235 PCI/G	0.032 +/- 0.011DY	0.013 +/- 0.008DY	0.15 +/- 0.06DYRC
URANIUM-238 PCI/G	1.2 +/- 0.1DYJC	0.59 +/- 0.05DYJC	5.6 +/- 0.3DYRC

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:		12040	12041	12042
SUB-SAMPLE ID:		00000	00000	00000
STATION ID:		OF2	FP001	FP002
SAMPLE DATE:		04/17/1991	04/22/1991	04/16/1991
SAMPLE TIME:		15:00	17:00	11:10
SAMPLE MATRIX:		SD	SD	SD
UPPER DEPTH:				
LOWER DEPTH:				
GROSS ALPHA	PCI/G	5.6 +/- 3DYJW	4.7 +/- 3.1DYJW	3.8 +/- 2.7DYJW
GROSS BETA	PCI/G		17 +/- 3DYJW	
GROSS BETA FOR S ANALYSIS	PCI/G	19 +/- 3DYJW		19 +/- 3DYJW
NEPTUNIUM-237	PCI/G	0.04UY	0.03UY	0.04UY
PLUTONIUM-239	PCI/G	0.002UY	0.067 +/- 0.045DYRC	0.005UYJC
TECHNETIUM-99	PCI/G	590 +/- 10DYJC	0.6UY	0.8UYJC
THORIUM-230	PCI/G	0.26 +/- 0.02DYJC	0.017UYRB	0.2 +/- 0.03DY
URANIUM-234	PCI/G	0.65 +/- 0.04DYJC	0.2 +/- 0.03DYJC	0.48 +/- 0.04DY
URANIUM-235	PCI/G	0.024 +/- 0.007DYJC	0.01 +/- 0.007DYJC	0.0095 +/- 0.0064DY
URANIUM-238	PCI/G	0.91 +/- 0.04DYJC	0.24 +/- 0.03DYJC	0.51 +/- 0.05DYJC

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	12043	12044	12045
SUB-SAMPLE ID:	00000	00000	00000
STATION ID:	FP003	FP004	FP004
SAMPLE DATE:	04/22/1991	04/16/1991	04/16/1991
SAMPLE TIME:	15:10	13:30	13:30
SAMPLE MATRIX:	SD	SD	SD
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/G	3.5 +/- 2.9DYJW	5.3 +/- 3DYJW	5.6 +/- 3DYJW
GROSS BETA PCI/G	7.9 +/- 2DYJW		
GROSS BETA FOR S ANALYSIS PCI/G		23 +/- 3DYJW	22 +/- 3DYJW
NEPTUNIUM-237 PCI/G	0.03UY	0.05UY	0.05UY
PLUTONIUM-239 PCI/G	0.14 +/- 0.02DYJ	0.052 +/- 0.017DY	0.015 +/- 0.01DY
TECHNETIUM-99 PCI/G	0.5UY	0.7UYJC	1UYJC
THORIUM-230 PCI/G	1.1 +/- 0.1DYJC	0.26 +/- 0.04DY	0.28 +/- 0.04DYJC
URANIUM-234 PCI/G	1.4 +/- 0.1DYJC	0.47 +/- 0.04DY	0.53 +/- 0.05DY
URANIUM-235 PCI/G	0.07 +/- 0.038DYJC	0.019 +/- 0.008DY	0.017 +/- 0.01DY
URANIUM-238 PCI/G	6.2 +/- 0.3DYJC	0.58 +/- 0.04DYJC	0.52 +/- 0.05DYJC

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JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	12046	12047	12048
SUB-SAMPLE ID:	00000	00000	00000
STATION ID:	OF8	FP005	OF010
SAMPLE DATE:	04/17/1991	04/22/1991	04/18/1991
SAMPLE TIME:	15:50	15:55	10:20
SAMPLE MATRIX:	SD	SD	SD
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/G	4.1 +/- 2.7DYJW	4.7 +/- 3.1DYJW	9.6 +/- 3.7DYJW
GROSS BETA PCI/G		18 +/- 3DYJW	
GROSS BETA FOR S ANALYSIS PCI/G	13 +/- 2DYJW		24 +/- 3DYJW
NEPTUNIUM-237 PCI/G	0.03UY	0.03UY	0.05UY
PLUTONIUM-239 PCI/G	0.012 +/- 0.006DYJC	0.061 +/- 0.015DYJ	0.0034 +/- 0.0033DYJC
TECHNETIUM-99 PCI/G	8.9 +/- 1.3DYJC	3.9 +/- 1.1DYJC	0.8UYJC
THORIUM-230 PCI/G	0.42 +/- 0.04DY	1.5 +/- 0.1DYJC	0.24 +/- 0.05DYJC
URANIUM-234 PCI/G	0.37 +/- 0.03DYJC	0.096 +/- 0.019DYJC	0.82 +/- 0.04DY
URANIUM-235 PCI/G	0.015 +/- 0.006DYJC	0.0063 +/- 0.0054DYJC	0.04 +/- 0.01DYJC
URANIUM-238 PCI/G	0.45 +/- 0.03DYJC	0.082 +/- 0.018DYJC	2.7 +/- 0.1DY

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
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JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:		12049	12051	12052
SUB-SAMPLE ID:		00000	00000	00000
STATION ID:		OF11A	OF11B	OF15A
SAMPLE DATE:		04/18/1991	04/18/1991	04/18/1991
SAMPLE TIME:		13:00	13:50	15:30
SAMPLE MATRIX:		SD	SD	SD
UPPER DEPTH:				
LOWER DEPTH:				
GROSS ALPHA	PCI/G	16 +/- 5DYJW	24 +/- 6DYJW	6.7 +/- 3.3DYJW
GROSS BETA				
GROSS BETA FOR S ANALYSIS	PCI/G	220 +/- 10DYJW	110 +/- 10DYJW	27 +/- 3DYJW
NEPTUNIUM-237	PCI/G	0.05UY	0.05UY	0.04UY
PLUTONIUM-239	PCI/G	0.002UYJC	0.005UYJC	0.14 +/- 0.02DYJC
TECHNETIUM-99	PCI/G	2.2 +/- 0.8DYJC	1.5 +/- 0.6DYJC	3.8 +/- 0.8DYJC
THORIUM-230	PCI/G	0.27 +/- 0.06DYJC	0.26 +/- 0.03DY	0.79 +/- 0.06DY
URANIUM-234	PCI/G	5.8 +/- 0.1DYJC	7.9 +/- 0.5DYRC	1 +/- 0.1DYJC
URANIUM-235	PCI/G	0.31 +/- 0.03DYJC	0.6 +/- 0.13DYRC	0.048 +/- 0.013DYJC
URANIUM-238	PCI/G	52 +/- 1DY	48 +/- 1DYRC	2.9 +/- 0.1DYJC

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SAMPLE ID:		12053	14134	14135
SUB-SAMPLE ID:		00000	00000	00000
STATION ID:		OF15B	FP006	FP007
SAMPLE DATE:		04/18/1991	04/29/1991	04/29/1991
SAMPLE TIME:		15:40	14:00	14:30
SAMPLE MATRIX:		SD	SD	SD
UPPER DEPTH:				
LOWER DEPTH:				
GROSS ALPHA	PCI/G	3.5 +/- 2.6DYJW	4UYJW	4UYJW
GROSS BETA				
GROSS BETA FOR S ANALYSIS	PCI/G	31 +/- 3DYJW	19 +/- 3DYJW	23 +/- 3DYJW
NEPTUNIUM-237	PCI/G	0.05UY		
PLUTONIUM-239	PCI/G	0.23 +/- 0.02DYJC		
TECHNETIUM-99	PCI/G	6.8 +/- 1.1DYJC		
THORIUM-230	PCI/G	0.7 +/- 0.06DYJC		
URANIUM-234	PCI/G	1.6 +/- 0.1DYJC		
URANIUM-235	PCI/G	0.089 +/- 0.016DYJC		
URANIUM-238	PCI/G	5.1 +/- 0.1DYJC		

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JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

SAMPLE ID:	14136	14137	14177
SUB-SAMPLE ID:	00000	00000	00000
STATION ID:	FP008	FP009	FP010
SAMPLE DATE:	04/29/1991	04/29/1991	05/07/1991
SAMPLE TIME:	15:15	16:00	09:55
SAMPLE MATRIX:	SD	SD	SD
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/G	6.4 +/- 3.6DYJW	7.9 +/- 3.8DYJW	5.3 +/- 3.4DYJW
GROSS BETA			
GROSS BETA FOR S ANALYSIS PCI/G	30 +/- 3DYJW	26 +/- 3DYJW	19 +/- 3DYJW
NEPTUNIUM-237			
PLUTONIUM-239			
TECHNETIUM-99			
THORIUM-230			
URANIUM-234			
URANIUM-235			
URANIUM-238			

NNN+/-XXABCCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS, D=VARYING UNITS
U = less than detection limit, D = detected, J = estimated, R = unusable, N = tentatively identified,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.