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ENVIRONMENTAL RESTORATION PROGRAM

# OPERABLE UNIT 9,
# SITE SCOPING REPORT
# VOLUME I - GROUNDWATER DATA: FEBRUARY 1987 - JULY 1990
# AND ADDENDUM

## MOUND PLANT
## MIAMISBURG, OHIO

February 1992

DEPARTMENT OF ENERGY
ALBUQUERQUE OPERATIONS OFFICE

ENVIRONMENTAL RESTORATION PROGRAM
TECHNICAL SUPPORT OFFICE
LOS ALAMOS NATIONAL LABORATORY

## FINAL

Note: Although this document is an approved Final document, some text may be marked as "Draft" in the footer. This indicates that no changes have been necessary between submission of the Draft, revision, and regulatory agency approval.

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Signature Page

This report is Volume 1 of a multiple-volume Site Scoping Report providing the background information pertinent to the remedial investigation/feasibility study (RI/FS) of the Mound Plant. Under the terms of the Federal Facility Agreement between DOE and US EPA, this report is submitted to US EPA for approval.

This report is approved by US EPA only for the purposes of scoping the RI/FS, and approval does not imply concurrence with the interpretations presented herein. It is recognized that additional information will be collected during the RI/FS and may supersede information contained in this report.

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## ACRONYMS

| | |
|---|---|
| CEARP | Comprehensive Environmental Assessment and Response Program |
| CERCLA | Comprehensive Environmental Response, Compensation, and Liability Act |
| DOE | U.S. Department of Energy |
| EPA | U.S. Environmental Protection Agency |
| ER | Environmental Restoration (Program) |
| MCD | Miami Conservancy District |
| MRC | Monsanto Research Corporation |
| NPDES | National Pollutant Discharge Elimination System |
| PCB | polychlorinated biphenyl |
| RI/FS | remedial investigation/feasibility study |
| SOP | Standard Operating Procedure |
| TEGD | Technical Enforcement Guidance Document |
| TIMS | Technical Information Management System |

# 1. INTRODUCTION

The U.S. Department of Energy (DOE) Mound Plant, Miamisburg, Ohio, was placed on the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA - also known as Superfund) National Priorities List on November 21, 1989 (54 Federal Register 48184). Pursuant to its NPL status, the DOE signed a CERCLA Section 120 Federal Facilities Agreement with the U.S. Environmental Protection Agency (EPA) that became effective October 11, 1990 (Administrative Docket No. VW-'90-C-075). The terms of the Federal Facilities Agreement require that the DOE develop and implement Remedial Investigations and Feasibility Studies (RI/FS) and conduct Interim Remedial Actions in order to ensure that environmental impacts associated with past and present activities at the site are thoroughly investigated and appropriate action is taken to protect the public health, welfare, and the environment.

The Albuquerque Operations Office of DOE established the Environmental Restoration (ER) Program in 1984 to collect and assess environmental data in order to develop a conceptual site model to assess both the nature and extent of contamination and to identify potential exposure pathways and potential human and environmental receptors. These activities have been conducted under the DOE policy that all facilities comply with applicable environmental regulations. In order to provide the EPA with sufficient information and data gathered during these previous investigations, a multi-volume scoping report providing background information has been prepared. The Site Scoping Report will provide descriptions and summaries of the current conditions and characteristics of Mound Plant and will consist of at least the following volumes:

1. Groundwater Data: February 1987 - July 1990
2. Geologic Log and Well Information Report
3. Radiologic Survey Report
4. Engineering Maps of Mound Plant
5. Topographic Map Series
6. Photo History Report
7. Waste Management Report
8. Background Summary, Bibliography and Index

# 2. SCOPE OF GROUNDWATER DATA REPORT

This report presents analytical data from groundwater sampling on and adjacent to Mound Plant by the ER Program from February 1987 to July 1990. Analyses of samples collected from wells installed by the ER

Program, older monitoring wells, plant supply wells, and groundwater seeps are included. The data have been reviewed for completeness and consistency to the extent possible. This report is intended to be a data reference document only and is not an interpretive report. Appendix A includes laboratory reports, chain-of-custody forms, and database printouts listed by laboratory batch number, which, because of its size, is included under separate cover. Appendix B includes an electronic copy of the database report in ASCII format.

Not included in this report are other data pertinent to soil analyses performed by the ER Program and other data collected as part of the Mound Plant environmental monitoring program. These data will be reported in subsequent volumes of the Site Scoping Report or the Site-Wide RI/FS Work Plan (DOE 1991).

Well construction and borehole lithology details of the wells used for the sampling results in this report can be found in the Site Scoping Report: Volume 2 - Geologic Log and Well Information Report (DOE 1990). Summaries of the projects are provided in the Site-Wide RI/FS Work Plan (DOE 1991).

## 3. ER PROGRAM BACKGROUND

In mid-1984 the DOE Albuquerque Operations Office initiated the Comprehensive Environmental Assessment and Response Program (CEARP) to help fulfill the DOE policy that all facilities comply with applicable environmental regulations while conducting their missions. CEARP was intended to fulfill the DOE obligations under the EPA CERCLA Program and utilized the same basic approach as the EPA guidance to federal facilities (Federal Facility Program Manual for Implementing CERCLA Responsibilities of Federal Agencies, final draft) and was authorized by DOE Order 5480.14. CEARP was administered by Los Alamos National Laboratory under contract to AL. As the Mound Plant operating contractor, Monsanto Research Corporation was responsible to the DOE Dayton Area Office for maintaining compliance with environmental regulations and environmental programs. CEARP was implemented in five phases:

| | |
|---|---|
| Phase I | Installation Assessment |
| Phase II | Confirmation |
| Phase III | Technology Assessment |
| Phase IV | Remedial Action |
| Phase V | Compliance and Verification |

A CEARP Phase I Installation Assessment was compiled for Mound Plant in 1986 (DOE 1986) with the intent of determining the extent of compliance with environmental laws, ascertaining the magnitude of potential environmental concerns, and identifying potential CERCLA sites. Tasks completed under Phase I include record searches and literature surveys, employee interviews, waste management evaluation, tentative identification of contaminated areas, evaluation of compliance with environmental regulations, preliminary physical survey, a pathway evaluation, and a Hazard Ranking System scoring. The CEARP

Phase I assessment scored Area B, the historic landfill, as the prime candidate for contributing to potential groundwater contamination.

A CEARP Phase II plan (DOE 1987) was implemented with the objectives to obtain the additional information identified in Phase I; complete an environmental evaluation to confirm the presence or absence of the potential environmental concerns of Phase I; and conduct measurements and sampling programs as required to understand potential contaminant sources and environmental pathways. Work plans generally consisted of a synopsis, sampling plan, health and safety plan, quality assurance/quality control plan, and technical data management plans. The Phase II work plan (DOE 1987) provided for three stages of investigation that utilized an iterative process whereby additional sampling stages would be guided by data from the previous stage.

## ER Program Groundwater Monitoring: Stage 1

Stage 1 of the remedial investigation included reconnaissance sampling of the existing monitoring, supply, and selected domestic wells adjacent to Mound Plant, largely to confirm the results of previous sampling by the Mound Plant environmental monitoring program (DOE 1991). Groundwater samples were collected and analyzed in February and March of 1987. Sampling locations are shown in Figure 3.1. Surface water samples were also collected at the National Pollution Discharge Elimination System (NPDES) Outfall 002, the overflow pond, and the stream in the plant drainage ditch. Sample locations are given in Tables III.1 and III.2. Field techniques followed the Standard Operating Procedures (SOP) outlined in the Stage I monitoring plan (DOE 1987a).

Analytical parameters included volatile and semivolatile organic compounds, pesticides and polychlorinated biphenyls (PCB), some metals, and the radionuclides, tritium, plutonium, thorium, and uranium. The parameters for Stage 1 samples are included in Table III.3 and are cross-referenced by batch number and sample locations. EPA Method 8240 was used for volatile analyses because it allows good detection of parameters when the entire suite of contaminants is relatively unknown. Sample collection included blanks and spiked samples for quality control purposes (DOE 1989). Chain-of-custody forms were maintained for quality assurance, but analyses did not include data validation because the results were to be used for scoping purposes. Results of analyses are presented in Appendix A.

Results of the Stage 1 investigations were summarized and interpreted in the Stage 2 Supplement Plan (DOE 1987b), but a comprehensive interpretive report was not produced. The groundwater investigations targeted Area B and resulted in several important findings. The existing monitoring well network was deemed deficient in that (1) wells were found to be insecure, i.e., unlocked and posed the potential for vandalism; (2) inappropriate drilling and well development techniques may have been used, as the wells

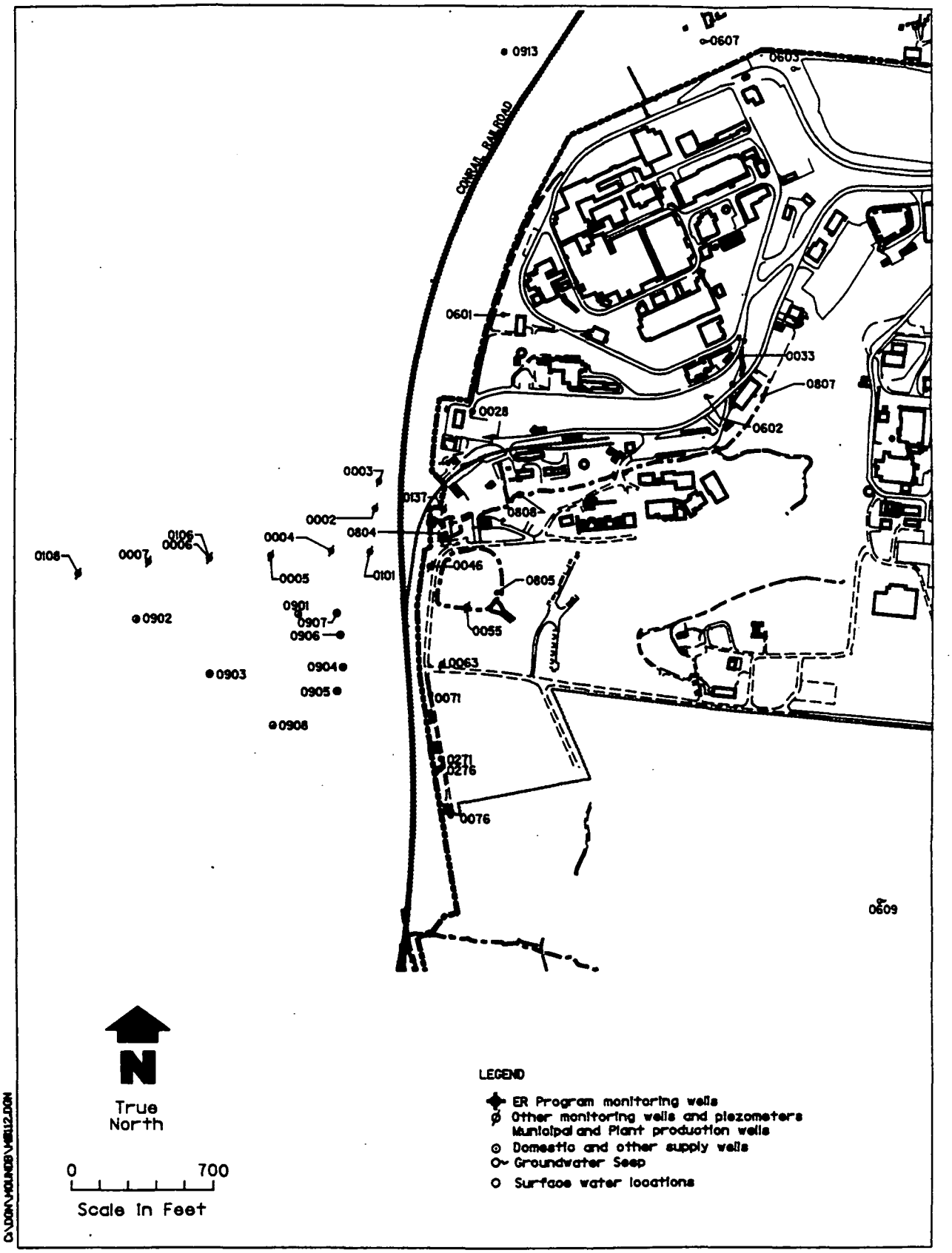


Figure 3.1. Wells and other locations sampled during ER Program Stage 1.

## Table III.1. Summary of Municipal, Plant Production, Monitoring, and Selected Domestic Wells Sampling During Stage 1

| ER Program Well I.D. | Date of Installation | Project | Former Well I.D. | Consistency With TEGD [a] |
|---|---|---|---|---|
| 0002 | 07/26/76 | Buried Valley aquifer evaluation | OW-2 | No |
| 0003 | 07/27/76 | Buried Valley aquifer evaluation | OW-3 | No |
| 0004 | 07/28/76 | Buried Valley aquifer evaluation | OW-4 | No |
| 0005 | 07/29/76 | Buried Valley aquifer evaluation | OW-5 | No |
| 0006 | 07/15/76 | Buried Valley aquifer evaluation | OW-6 | No |
| 0007 | 11/18/76 | Buried Valley aquifer evaluation | OW-7 | No |
| 0028 | Ca. 1975 | Buried Valley aquifer evaluation | 28-1 | No |
| 0033 | 05/13/76 | Potable water standards project | 33-1 | No |
| 0046 | 06/22/74 | Other | 46-1 | No |
| 0055 | Ca. 1975 | Potable water standards project | 55-1 | No |
| 0063 | 06/18/74 | Other | 63-1 | No |
| 0071 | Jan. 1962 | Mound Plant production well | 71-1 | Yes [b] |
| 0076 | Dec. 1947 | Mound Plant production well | 76-1 | Yes [b] |
| 0101 | Ca. 1976 | Buried Valley aquifer evaluation | OW-1A | No |
| 0106 | Ca. 1976 | Buried Valley aquifer evaluation | OW-6A | No |
| 0108 | Ca. 1976 | Buried Valley aquifer evaluation | OW-8A | No |
| 0137 | 05/24/76 | Potable water standards project | 37-1A | No |
| 0271 | Jan. 1948 | Mound Plant production well | 71-2 | Yes |
| 0276 | 04/04/61 | Other | 76-2 | No |
| 0901 | Unknown | Offsite water supply | Bud's #1 | Yes [b] |
| 0902 | Unknown | Offsite water supply | Bud's #2 | Yes [b] |
| 0903 | 09/03/64 | Offsite water supply | Bud's #3 | Yes [b] |
| 0904 | 04/14/77 | Offsite water supply | Jim's | Yes [b] |
| 0905 | Unknown | Offsite water supply | Jim's trailer | Yes [b] |
| 0906 | 04/12/77 | Offsite water supply | Bud's rental | Yes [b] |
| 0907 | 04/08/77 | Offsite water supply | Bud's house | Yes [b] |
| 0908 | Unknown | Offsite water supply | Drive-In | Yes [b] |
| 0913 | 1935 | Miamisburg production well #3 | MB-3 | No |

[a]TEGD - Technical Enforcement Guidance Document (EPA 1986).
[b]This is a water supply well that can be used for characterization of potable water supplies.

Table III.2. Miscellaneous Sample Location Designations

| Location Number | Sample Type | Location Number | Sample Type [a] |
|---|---|---|---|
| 0401 | Trip blank | 0530 | Field duplicate |
| 0402 | Field duplicate | 0531 | Field duplicate |
| 0403 | | 0532 | Field duplicate |
| 0404 | | 0533 | Field duplicate |
| 0405 | | 0534 | Field duplicate |
| 0406 | | 0535 | Field duplicate |
| 0407 | | 0536 | Field duplicate |
| 0408 | | 0600 | |
| 0409 | | 0601 | Seep FKA S001 |
| 0410 | | 0602 | Seep FKA S002 |
| 0411 | | 0603 | Seep FKA S003 |
| 0420 | | 0604 | Seep FKA S004 |
| 0421 | | 0605 | Seep FKA S005 |
| 0422 | | 0606 | Seep FKA S006 |
| 0423 | | 0607 | Seep FKA S007 |
| 0500 | Trip blank | 0608 | Seep FKA S008 |
| 0501 | Trip blank | 0609 | Seep FKA S009 |
| 0502 | Trip blank | 0617 | Pond below 0607 |
| 0503 | Trip blank | 0700 | Supply faucet (Bldg. OSE) |
| 0504 | Trip blank | 0800 | Supply faucet (Bldg. 34) |
| 0505 | Trip blank | 0801 | FKA 0001 |
| 0506 | Trip blank | 0802 | FKA 0002 |
| 0508 | Trip blank | 0804 | NPDES Outfall 002 |
| 0509 | Trip blank | 0805 | SW corner of overflow pond |
| 0510 | Trip blank | 0807 | Stream below Bldg. 22 |
| 0511 | Trip blank | 0808 | Stream below Bldg. 42 |
| 0512 | Trip blank | 0899 | Double blind spike |
| 0513 | Trip blank | 0900 | Double blind spike |
| 0514 | Trip blank | 0909 | Trip blank |
| 0515 | Trip blank | 0951 | Double blind spike |
| 0520 | Rinsate blank | 0952 | Double blind spike |
| 0521 | Rinsate blank | 0953 | Double blind spike |

Table III.2. (concluded)

| Location Number | Sample Type | Location Number | Sample Type [a] |
|---|---|---|---|
| 0954 | Double blind spike | 9901 | Lab quality control |
| 0955 | Double blind spike | 9902 | Lab quality control |
| 0956 | Double blind spike | 9903 | Lab quality control |
| 0957 | Double blind spike | 9904 | Lab quality control std. |
| 0958 | Double blind spike | 9995 | Rinsate blank |
| 0959 | Double blind spike | | |
| 0960 | UNC std. 131154 | | |
| 0961 | UNC std. 131155 | | |
| 0962 | UNC std. 131156 | | |
| 0963 | UNC std. 131157 | | |
| 0964 | UNC std. 131158 | | |
| 0965 | UNC std. 131159 | | |
| 0966 | UNC std. 131160 | | |
| 0967 | UNC std. 131161 | | |
| 0968 | UNC std. 131162 | | |
| 0969 | | | |
| 0970 | | | |
| 0971 | | | |
| 0972 | | | |
| 0973 | | | |
| 0974 | | | |
| 0975 | | | |
| 0976 | | | |
| 0977 | | | |
| 0978 | | | |
| 0979 | | | |
| 0980 | | | |
| 0998 | Trip blank | | |
| 0999 | Trip blank | | |
| 1312 | FKA 0321 | | |
| 7071 | Trip blank | | |

[a] FKA: formerly known as
std. – standard
UNC – United Nuclear Corporation

**Table III.3. Summary of Analytical Parameters Cross-Referenced by Laboratory Batch Number, Sample Location, and Sample Data**

| Batch Number | Location | Sample Date | Analytical Parameter VOA | CANIT | BNA | EXP | RAD | P/PCB | MET |
|---|---|---|---|---|---|---|---|---|---|
| 8703-823 | 0063 | 02/27/87 | X | | X | | | X | |
| 8703-823 | 0055 | 02/27/87 | X | | X | | | X | |
| 8703-823 | 0808 | 02/27/87 | X | | X | | | X | |
| 8703-823 | 0063 | 02/27/87 | X | | X | | | X | |
| 8703-847 | 0137 | 03/02/87 | X | X | X | | X | X | X |
| 8703-847 | 0913 | 02/25/87 | | X | | | | | X |
| 8703-847 | 0918 | 02/25/87 | | X | | | | | X |
| 8703-847 | 0902 | 02/25/87 | | X | | | | | X |
| 8703-847 | 0903 | 02/25/87 | | X | | | | | X |
| 8703-847 | 0004 | 02/25/87 | | X | | | | | X |
| 8703-847 | 0004 | 02/25/87 | | X | | | | | X |
| 8703-847 | 0901 | 02/25/87 | | X | | | | | X |
| 8703-847 | 0904 | 02/25/87 | | X | | | | | X |
| 8703-847 | 0905 | 02/25/87 | | X | | | | | X |
| 8703-847 | 0609 | 02/26/87 | | X | | | | | X |
| 8703-847 | 0807 | 02/26/87 | | X | | | X | | X |
| 8703-847 | 0805 | 02/26/87 | | X | | | X | | X |
| 8703-847 | 0805 | 02/26/87 | | X | | | X | | X |
| 8703-847 | 0063 | 02/27/87 | | X | | | | | X |
| 8703-847 | 0603 | 03/01/87 | | X | | | X | | X |
| 8703-847 | 0276 | 03/01/87 | | X | | | X | | X |
| 8703-847 | 0601 | 03/01/87 | | X | | | X | | X |
| 8703-847 | 0028 | 03/01/87 | | X | | | | | X |
| 8703-847 | 0602 | 03/03/87 | | X | | | X | | X |
| 8703-847 | 0108 | 03/03/87 | | X | | | | | X |
| 8703-847 | 0007 | 03/03/87 | | X | | | | | X |
| 8703-847 | 0033 | 03/03/87 | | | X | | | | |
| 8703-847 | 0967 | 03/02/87 | | X | | | | | |
| 8703-847 | 0968 | 03/02/87 | | X | | | | | |
| 8703-847 | 0899 | 02/26/87 | | X | | | | | X |
| 8703-847 | 0607 | 03/06/87 | | | | | X | | |
| 8703-847 | 0804 | 03/04/87 | | | | | X | | |
| 8703-847 | 0906 | 02/26/87 | | | | | X | | |
| 8703-847 | 0907 | 02/26/87 | | | | | X | | |
| 8703-847 | 0908 | 02/26/87 | | | | | X | | |
| 8703-890 | 0804 | 03/04/87 | | X | X | | | | X |
| 8703-890 | 0005 | 03/04/87 | | X | X | | X | | X |
| 8703-890 | 0006 | 03/04/87 | | X | X | | | | X |
| 8703-890 | 0106 | 03/04/87 | | X | X | | | | X |
| 8703-890 | 0002 | 03/04/83 | | | X | | X | | X |
| 8703-890 | 0602 | 03/03/87 | | X | X | | | | X |
| 8703-890 | 0076 | 03/05/87 | | X | X | | | | X |

## Table III.3. (Continued)

| Batch Number | Location | Sample Date | Analytical Parameter VOA | CANIT | BNA | EXP | RAD | PP/CB | MET |
|---|---|---|---|---|---|---|---|---|---|
| 8703-890 | 0055 | 03/02/87 | | X X | | | X | | X |
| 8703-890 | 0003 | 03/05/87 | X | X X | X | | X | | X |
| 8703-890 | 0071 | 03/05/87 | | X X | | | X | | X |
| 8703-890 | 0271 | 03/05/87 | | X X | | | | | X |
| 8703-890 | 0046 | 03/05/87 | | X X | | | | | X |
| 8703-890 | 0033 | 03/02/87 | | X X | | | X | | X |
| 8703-890 | 0004 | 02/25/87 | | | | | X | | |
| 8703-890 | 0033 | 03/03/87 | X | | | | | | |
| 8703-890 | 0004 | 02/25/87 | | | | | X | | |
| 8703-890 | 0007 | 03/03/87 | | | | | X | | |
| 8703-890 | 0028 | 03/01/87 | | | | | X | | |
| 8703-890 | 0046 | 03/05/87 | | | | | X | | |
| 8703-890 | 0978 | 03/02/87 | | | | | | | X |
| 8703-890 | 0900 | 02/26/87 | | | | | | | X |
| 8703-890 | 0969 | 03/02/87 | | X | | | | | |
| 8703-890 | 0970 | 03/02/87 | | X | | | | | |
| 8703-890 | 0972 | 03/02/87 | | X | | | | | |
| 8703-890 | 0977 | 03/02/87 | | X | | | | | |
| 8703-890 | 0980 | 03/02/87 | | X | | | | | |
| 8703-899 | 0101 | 03/06/87 | | X | | | | | X |
| 8703-899 | 0607 | 03/06/87 | | X | | | | | X |
| 8703-899 | 0971 | 03/02/87 | | X | | | | | |
| 8703-899 | 0973 | 03/02/87 | | X | | | | | |
| 8703-899 | 0905 | 02/26/87 | | | | | | | X |
| 8703-899 | 0979 | 03/02/87 | | X | | | | | |
| 8712-011 | 0034 | 12/08/87 | X | | X | | | X | |
| 8712-012 | 0158 | 12/11/87 | X | X X | | | | | X |
| 8712-012 | 0128 | 12/11/87 | X | X X | | | | | X |
| 8712-012 | 0111 | 12/11/87 | X | X X | X | | | | X |
| 8712-012 | 0119 | 12/11/87 | X | X | X | | | | X |
| 8712-012 | 0119 | 12/11/87 | X | X X | X | | | | X |
| 8712-023 | 0601 | 12/13/87 | | X X | | | | | X |
| 8712-023 | 0272 | 12/13/87 | X | X X | | | | | X |
| 8712-023 | 0272 | 12/13/87 | X | | | | | | |
| 8712-023 | 0112 | 12/13/87 | X | X X | X | | | X | X |
| 8712-023 | 0122 | 12/13/87 | X | X | X | X | | | X |
| 8712-023 | 0118 | 12/13/87 | X | | | | | | |
| 8712-023 | 0951 | 12/13/87 | X | | | | | | |
| 8712-023 | 0111 | 12/13/87 | X | | | X | | | |
| 8712-023 | 0112 | 12/13/87 | X | | | X | | | |
| 8712-023 | 0135 | 12/13/87 | X | | | X | | | |
| 8712-024 | 0151 | 12/14/87 | X | X X | X | X | | X | X |

## Table III.3. (Continued)

| Batch Number | Location | Sample Date | Analytical Parameter VOA | CANIT | BNA | EXP | RAD | PCB | MET |
|---|---|---|---|---|---|---|---|---|---|
| 8712-024 | 0602 | 12/14/87 | | X | X | | | | X |
| 8712-024 | 0607 | 12/14/87 | X | X | X | | | | X |
| 8712-024 | 0951 | 12/14/87 | X | | | | | | |
| 8712-024 | 0152 | 12/14/87 | X | X | X | X | X | X | X |
| 8712-024 | 0152 | 12/14/87 | X | X | X | X | | | X |
| 8712-024 | 0153 | 12/14/87 | X | X | X | X | X | | X |
| 8712-036 | 0122 | 12/15/87 | X | | | | | | |
| 8712-036 | 0154 | 12/15/87 | X | | | | | | |
| 8712-036 | 0115 | 12/15/87 | X | | | | | | |
| 8712-036 | 0158 | 12/15/87 | X | | | | | | |
| 8712-036 | 0603 | 12/15/87 | | X | X | | | | X |
| 8712-036 | 0907 | 12/15/87 | X | | | | | | |
| 8712-036 | 0901 | 12/15/87 | X | | | | | | |
| 8712-036 | 0902 | 12/15/87 | X | | | | | | |
| 8712-036 | 0903 | 12/15/87 | X | | | | | | |
| 8712-036 | 0905 | 12/15/87 | X | | | | | | |
| 8712-036 | 0906 | 12/15/87 | X | | | | | | |
| 8712-036 | 0951 | 12/15/87 | X | | | | | | |
| 8712-052 | 0952 | 12/15/87 | | | | | | | X |
| 8712-052 | 0953 | 12/15/87 | | | | | | | X |
| 8712-052 | 0954 | 12/15/87 | | | | | | | X |
| 8712-036 | 0955 | 12/15/87 | | | | | | | X |
| 8712-036 | 0956 | 12/15/87 | | X | | | | | |
| 8712-036 | 0957 | 12/15/87 | | X | | | | | |
| 8712-036 | 0958 | 12/15/87 | | X | | | | | |
| 8712-036 | 0959 | 12/15/87 | | X | | | | | |
| 8712-960 | 0160 | 12/08/87 | X | X | | | | | X |
| 8712-960 | 0159 | 12/07/87 | X | X | | | | | X |
| 8712-960 | 0157 | 12/08/87 | X | X | | | | | X |
| 8712-960 | 0156 | 12/08/87 | X | X | | | | | X |
| 8712-960 | 0951 | 12/08/87 | X | | | | | | |
| 8712-961 | 0117 | 12/02/87 | | | | | | | X |
| 8712-961 | 0117 | 12/02/87 | | | | | | | X |
| 8712-961 | 0120 | 12/02/87 | | | | | | | X |
| 8712-961 | 0120 | 12/03/87 | | | | | | | X |
| 8712-961 | 0120 | 12/03/87 | | | | | | | X |
| 8712-973 | 0951 | 12/09/87 | X | | | | | | |
| 8712-973 | 0138 | 12/09/87 | X | X | X | X | | | X |
| 8712-973 | 0138 | 12/09/87 | X | X | X | X | | | X |
| 8712-973 | 0118 | 12/09/87 | X | X | X | X | | | X |
| 8712-973 | 0123 | 12/09/87 | X | X | X | X | | | X |
| 8712-974 | 0129 | 12/09/87 | X | X | X | X | | X | X |

Table III.3. (Continued)

| Batch Number | Location | Sample Date | Analytical Parameter VOA | CANI | NIT | BNA | EXAP | RAD | P/PCB | MET |
|---|---|---|---|---|---|---|---|---|---|---|
| 8712-974 | 0126 | 12/09/87 | X | X | X | X | X | | | X |
| 8712-990 | 0130 | 12/10/87 | | X | | | | | X | X |
| 8712-990 | 0127 | 12/10/87 | X | X | X | X | | | | X |
| 8712-990 | 0158 | 12/10/87 | X | X | X | | X | | | X |
| 8712-990 | 0124 | 12/10/87 | X | X | X | | | | | X |
| 8712-990 | 0154 | 12/10/87 | X | X | X | | X | | | X |
| 8803-643 | 0117 | 03/01/88 | X | X | X | X | | | | |
| 8803-643 | 0120 | 03/02/88 | X | X | X | X | | | | |
| 8803-643 | 0151 | 03/02/88 | X | X | X | X | | X | | |
| 8803-643 | 0111 | 03/02/88 | X | X | X | X | | | | |
| 8803-643 | 0112 | 03/02/88 | X | X | X | X | | | | |
| 8803-643 | 0119 | 03/02/88 | X | X | X | X | | | | |
| 8803-655 | 0156 | 03/03/88 | X | X | X | X | | | | |
| 8803-655 | 0127 | 03/03/88 | X | X | X | X | | | | |
| 8803-655 | 0128 | 03/03/88 | X | X | X | X | | | | |
| 8803-655 | 0157 | 03/03/88 | X | X | X | X | | | | |
| 8803-655 | 0901 | 03/03/88 | X | | | | | | | |
| 8803-655 | 0902 | 03/03/88 | X | | | | | | | |
| 8803-655 | 0903 | 03/03/88 | X | | | | | | | |
| 8803-655 | 0904 | 03/03/88 | X | | | | | | | |
| 8803-655 | 0905 | 03/03/88 | X | | | | | | | |
| 8803-655 | 0906 | 03/03/88 | X | | | | | | | |
| 8803-655 | 0907 | 03/03/88 | X | | | | | | | |
| 8803-655 | 0967 | 03/03/88 | X | | | | | | | |
| 8803-667 | 0154 | 03/04/88 | X | X | X | X | | | | |
| 8803-667 | 0155 | 03/04/88 | X | X | X | X | | | | |
| 8803-667 | 0153 | 03/04/88 | X | X | X | X | | | | |
| 8803-667 | 0601 | 03/04/88 | | X | X | X | | | | |
| 8803-667 | 0603 | 03/04/88 | | X | X | X | | | | |
| 8803-667 | 0609 | 03/04/88 | | X | X | X | | | | |
| 8803-667 | 0602 | 03/04/88 | | X | X | X | | | | |
| 8803-667 | 0602 | 03/04/88 | | X | X | X | | | | |
| 8803-667 | 0967 | 03/04/88 | X | | | | | | | |
| 8803-678 | 0607 | 03/06/88 | | X | X | X | | | | |
| 8803-678 | 0123 | 03/06/88 | X | X | X | X | | | | |
| 8803-678 | 0138 | 03/06/88 | X | X | X | X | | | | |
| 8803-678 | 0124 | 03/06/88 | X | X | X | X | | | | |
| 8803-678 | 0160 | 03/06/88 | X | X | X | X | | | | |
| 8803-678 | 0159 | 03/06/88 | X | X | X | X | | | | |
| 8803-678 | 0118 | 03/06/88 | X | X | X | X | | | | |
| 8803-678 | 0158 | 03/07/88 | X | X | X | X | | | | |
| 8803-678 | 0126 | 03/07/88 | X | X | X | X | | | | |

Table III.3. (Continued)

| Batch Number | Location | Sample Date | Analytical Parameter VOA | CANIT | BNA | EXP | RAD | P/PCB | METAL |
|---|---|---|---|---|---|---|---|---|---|
| 8803-678 | 0227 | 03/07/88 | X | X X X | | | | | |
| 8803-678 | 0967 | 03/07/88 | X | | | | | | |
| 8803-698 | 0137 | 03/07/88 | X | X | | | | | |
| 8803-698 | 0163 | 03/08/88 | X | | | | | | |
| 8803-698 | 0071 | 03/08/88 | X | | | | | | |
| 8803-698 | 0055 | 03/07/88 | X | | | | | | |
| 8803-698 | 0046 | 03/08/88 | X | | | | | | |
| 8803-698 | 0271 | 03/08/88 | X | | | | | | |
| 8803-698 | 0125 | 03/08/88 | X | X X X | | | | | |
| 8803-698 | 0605 | 03/08/88 | | X X X | | | | | |
| 8803-678 | 0122 | 03/07/88 | X | X X | | | | | |
| 8803-678 | 0122 | 03/07/88 | X | X X | | | | | |
| 8803-678 | 0123 | 03/06/88 | X | X X | | | | | |
| 8803-678 | 0130 | 03/06/88 | X | X X | | | | | |
| 8803-678 | 0129 | 03/06/88 | X | X X | | | | | |
| 8803-678 | 0152 | 03/07/88 | X | X X | | | | | |
| 8803-678 | 0158 | 03/07/88 | X | | | | | | |
| 8803-678 | 0119 | 03/02/88 | X | | | | | | |
| 8803-678 | 0906 | 03/03/88 | X | | | | | | |
| 8806-766 | 0156 | 06/22/88 | X | X X X | | | | | |
| 8806-766 | 0159 | 07/22/88 | X | X X X | | | | | |
| 8806-766 | 0160 | 06/22/88 | X | X X X | | | | | |
| 8806-766 | 0601 | 06/22/88 | | X X X | | | | | |
| 8806-766 | 0602 | 06/22/88 | | X X X | | | | | |
| 8806-785 | 0153 | 06/23/88 | X | X X X | X | X | | | X |
| 8806-785 | 0111 | 06/23/88 | X | X X X | X | | | X | |
| 8806-785 | 0111 | 06/23/88 | X | X X X | X | | | | |
| 8806-785 | 0152 | 06/23/88 | X | X X X | X | X | | X | X |
| 8806-785 | 0151 | 06/23/88 | X | X X X | X | X | | X | X |
| 8806-785 | 0607 | 06/23/88 | | X X X | | | | | |
| 8806-802 | 0071 | 07/24/88 | X | | | | | | |
| 8806-802 | 0076 | 06/24/88 | X | | | | | | |
| 8806-802 | 0157 | 06/24/88 | X | X X X | X | | | | |
| 8806-802 | 0271 | 06/24/88 | X | | | | | | |
| 8806-802 | 0128 | 06/24/88 | X | X X X | X | | | | |
| 8806-802 | 0137 | 06/24/88 | X | | | | | | |
| 8806-802 | 0117 | 06/24/88 | X | X X X | X | | | | |
| 8806-802 | 0046 | 06/24/88 | X | | | | | | |
| 8806-802 | 0063 | 06/24/88 | X | | | | | | |
| 8806-802 | 0138 | 06/24/88 | | X X X | | | | | |
| 8806-802 | 0118 | 06/24/88 | | X X X | | | | | |
| 8806-811 | 0152 | 06/25/88 | | X | | | | | |

Table III.3. (Continued)

| Batch Number | Location | Sample Date | Analytical Parameter VOA | CANI | BNAT | EXAP | RÁD | P/PCB | MET |
|---|---|---|---|---|---|---|---|---|---|
| 8806-811 | 0115 | 06/25/88 | | X | X | X | | | |
| 8806-811 | 0127 | 06/25/88 | X | X | X | X | X | | |
| 8806-818 | 0124 | 06/27/88 | X | X | X | X | | | |
| 8806-818 | 0126 | 06/27/88 | X | X | X | X | X | X | |
| 8806-818 | 0123 | 06/27/88 | X | X | X | X | | | |
| 8806-818 | 0123 | 06/27/88 | X | X | X | X | | | |
| 8806-818 | 0130 | 06/27/88 | X | X | X | X | | | |
| 8806-818 | 0129 | 06/27/88 | X | X | X | X | X | | |
| 8806-818 | 0961 | 06/27/88 | X | | | | | | |
| 8806-818 | 0119 | 06/26/88 | X | X | X | X | X | X | |
| 8806-818 | 0120 | 06/26/88 | X | X | X | X | X | | X |
| 8806-818 | 0154 | 06/26/88 | X | X | X | X | | X | X |
| 8806-818 | 0155 | 06/26/88 | X | X | X | X | | X | |
| 8806-818 | 0119 | 06/26/88 | X | X | X | X | X | | |
| 8806-818 | 0960 | 06/27/88 | X | | | | | | |
| 8806-840 | 0158 | 06/28/88 | X | X | X | X | | | |
| 8806-840 | 0122 | 06/28/88 | X | X | X | X | X | X | |
| 8806-840 | 0055 | 06/28/88 | X | | | | | | |
| 8806-840 | 0125 | 06/28/88 | X | X | X | X | X | X | X X |
| 8806-840 | 0227 | 06/28/88 | X | | | | | | |
| 8806-840 | 0901 | 06/28/88 | X | | | | | | |
| 8806-840 | 0902 | 06/28/88 | X | | | | | | |
| 8806-840 | 0903 | 06/28/88 | X | | | | | | |
| 8806-840 | 0904 | 06/28/88 | X | | | | | | |
| 8806-840 | 0905 | 06/28/88 | X | | | | | | |
| 8806-840 | 0906 | 06/28/88 | X | | | | | | |
| 8806-840 | 0907 | 06/28/88 | X | | | | | | |
| 8806-840 | 0964 | 06/28/88 | X | | | | | | |
| 8806-840 | 0962 | 06/28/88 | X | | | | | | |
| 8806-840 | 0963 | 06/28/88 | X | | | | | | |
| 8806-857 | 0112 | 06/29/88 | X | X | X | X | X | | X |
| 8809-555 | 0159 | 09/07/88 | X | X | X | X | | | |
| 8809-555 | 0160 | 09/07/88 | X | X | X | X | | | |
| 8809-576 | 0127 | 09/08/88 | X | X | X | X | X | X | |
| 8809-576 | 0128 | 09/08/88 | X | X | X | X | | | |
| 8809-576 | 0127 | 09/08/88 | X | X | X | X | X | X | |
| 8809-576 | 0123 | 09/08/88 | | X | X | X | X | | |
| 8809-576 | 0124 | 09/08/88 | X | X | X | X | | | |
| 8809-576 | 0130 | 09/08/88 | X | X | X | X | | | |
| 8809-576 | 0960 | 09/08/88 | X | | | | | | |
| 8809-596 | 0111 | 09/09/88 | X | X | X | X | X | | X |
| 8809-596 | 0111 | 09/09/88 | | | | | | | X |

## Table III.3. (Continued)

| Batch Number | Location | Sample Date | Analytical Parameter VOA | CANIT | BNA | EXAP | RAD | PCB | MET |
|---|---|---|---|---|---|---|---|---|---|
| 8809-596 | 0602 | 09/09/88 | X | X X X | | | | | |
| 8809-596 | 0151 | 09/09/88 | X | X X | X | X | X | X | X |
| 8809-596 | 0119 | 09/09/88 | X | X X X | X | X | | | |
| 8809-596 | 0961 | 09/09/88 | X | | | | | | |
| 8809-655 | 0125 | 09/14/88 | X | X X | | X | | | X |
| 8809-655 | 0137 | 09/14/88 | | | | | | | X |
| 8809-655 | 0112 | 09/14/88 | X | X X X | X | | | X | |
| 8809-655 | 0122 | 09/14/88 | X | X X X | X | X | | | |
| 8809-655 | 0227 | 09/14/88 | X | | | | | | |
| 8806-655 | 0966 | 09/14/88 | X | | | | | | |
| 8809-606 | 0157 | 09/10/88 | X | X X X | | | | | |
| 8809-606 | 0157 | 09/10/88 | X | X X X | | | | | |
| 8809-606 | 0138 | 09/10/88 | X | X X X | | | | | |
| 8809-606 | 0138 | 09/10/88 | X | X X X | | | | | |
| 8809-606 | 0118 | 09/10/88 | X | X X X | | | | | |
| 8809-606 | 0118 | 09/10/88 | X | X X X | | | | | |
| 8809-606 | 0115 | 09/10/88 | X | X X X | | | | | |
| 8809-606 | 0117 | 09/10/88 | X | X X X | X | | | | |
| 8809-606 | 0962 | 09/10/88 | X | | | | | | |
| 8809-614 | 0120 | 09/11/88 | X | X X X | X | | | X | |
| 8809-614 | 0158 | 09/11/88 | X | X X X | | | | | |
| 8809-614 | 0158 | 09/11/88 | X | | | | | | |
| 8809-614 | 0963 | 09/11/88 | X | | | | | | |
| 8809-614 | 0601 | 09/12/88 | X | X X X | | | | | |
| 8809-614 | 0601 | 09/12/88 | X | | | | | | |
| 8809-614 | 0607 | 09/12/88 | X | X X X | | | | | |
| 8809-614 | 0607 | 09/12/88 | X | | | | | | |
| 8809-614 | 0129 | 09/12/88 | X | X X X | X | | | | |
| 8809-614 | 0126 | 09/12/88 | | X X X | X | X | | | |
| 8809-614 | 0156 | 09/12/88 | X | X X X | | | | | |
| 8809-614 | 0129 | 09/12/88 | X | | | | | | |
| 8809-614 | 0126 | 09/12/88 | X | | | | | | |
| 8809-614 | 0156 | 09/12/88 | X | | | | | | |
| 8809-614 | 0152 | 09/12/88 | X | X X X | X | X | | X | |
| 8809-614 | 0055 | 09/12/88 | X | | | | | | |
| 8809-614 | 0126 | 09/12/88 | X | | | | | | |
| 8809-614 | 0126 | 09/12/88 | X | | | | | | |
| 8809-614 | 0126 | 09/12/88 | X | | | | | | |
| 8809-614 | 0964 | 09/12/88 | X | | | | | | |
| 8809-643 | 0153 | 09/13/88 | X | X X | X | X | | X | X |
| 8809-643 | 0153 | 09/13/88 | X | | | | | | |
| 8809-643 | 0154 | 09/13/88 | X | X X | | X | | | X |

## Table III.3. (Continued)

| Batch Number | Location | Sample Date | Analytical Parameter VOA | CANIT | BNA | EXAP | RAD | PCB | METAL |
|---|---|---|---|---|---|---|---|---|---|
| 8809-643 | 0154 | 09/13/88 | X | | | | | | |
| 8809-643 | 0155 | 09/13/88 | X | X X X | | X | | | |
| 8809-643 | 0155 | 09/13/88 | X | | | | | | |
| 8809-643 | 0046 | 09/13/88 | X | | | | | | |
| 8809-643 | 0063 | 09/13/88 | X | | | | | | |
| 8809-643 | 0071 | 09/13/88 | X | | | | | | |
| 8809-643 | 0071 | 09/13/88 | X | | | | | | |
| 8809-643 | 0076 | 09/13/88 | X | | | | | | |
| 8809-643 | 0076 | 09/13/88 | X | | | | | | |
| 8809-643 | 0271 | 09/13/88 | X | | | | | | |
| 8809-643 | 0271 | 09/13/88 | X | | | | | | |
| 8809-643 | 0965 | 09/13/88 | X | | | | | | |
| 8809-643 | 0901 | 09/13/88 | X | | | | | | |
| 8809-643 | 0902 | 09/13/88 | X | | | | | | |
| 8809-643 | 0903 | 09/13/88 | X | | | | | | |
| 8809-643 | 0904 | 09/13/88 | X | | | | | | |
| 8809-643 | 0905 | 09/13/88 | X | | | | | | |
| 8809-643 | 0906 | 09/13/88 | X | | | | | | |
| 8809-643 | 0907 | 09/13/88 | X | | | | | | |
| 8809-643 | 0909 | 09/13/88 | X | | | | | | |
| 8809-643 | 0909 | 09/13/88 | X | | | | | | |
| 8812-001 | 0607 | 11/30/88 | X | | X | | | X | X |
| 8812-001 | 0607 | 11/30/88 | X | | | | | | |
| 8812-001 | 0999 | 11/30/88 | X | | X | | | X | |
| 8812-001 | 0607 | 11/30/88 | X | | X | | | X | |
| 8812-001 | 0607 | 11/30/88 | X | | X | | | X | |
| 8812-014 | 0712 | 12/01/88 | X | X | | | | | |
| 8812-014 | 0713 | 12/01/88 | X | X | | | | | |
| 8812-001 | 0714 | 12/01/88 | X | X | | | | | |
| 8812-001 | 0721 | 11/30/88 | X | X | | | | | |
| 8812-001 | 0722 | 11/30/88 | X | X | | | | | |
| 8812-001 | 0723 | 11/30/88 | X | X | | | | | |
| 8812-001 | 0724 | 11/30/88 | X | X | | | | | |
| 8812-001 | 0725 | 12/01/88 | X | X | | | | | |
| 8812-001 | 0726 | 12/01/88 | X | X | | | | | |
| 8812-001 | 0727 | 12/01/88 | X | X | | | | | |
| 8812-001 | 0605 | 11/30/88 | X | | | | | | |
| 8812-014 | 0608 | 11/30/88 | X | | | | | | |
| 8812-014 | 0999 | 11/30/88 | X | | | | | | |
| 8812-014 | 0999 | 12/01/88 | X | | | | | | |
| ITNA45011 | 0151 | 01/22/90 | X | | | | | | |
| ITNA45011 | 0129 | 01/23/90 | X | | | | | X | |

## Table III.3. (Continued)

| Batch Number | Location | Sample Date | Analytical Parameter VOA | CANI | NTA | BNXP | ERA | PD | PCB | METM |
|---|---|---|---|---|---|---|---|---|---|---|
| ITNA45011 | 0402 | 01/23/90 | X | | | | | | | |
| ITNA45011 | 0401 | 01/23/90 | X | | | | | | | |
| ITNA45011 | 0402 | 01/23/90 | | | | | | X | | |
| ITNA45011 | 0138 | 01/23/90 | | | | | | X | | |
| ITNA45011 | 0111 | 01/23/90 | X | | | | | X | | |
| ITNA45011 | 0320 | 01/23/90 | X | | | | | | | |
| ITNA45011 | 0156 | 01/23/90 | | | | | | X | | |
| ITNA45011 | 0122 | 01/23/90 | | | | | | X | | |
| ITNA45011 | 0311 | 01/23/90 | X | | | | | X | | |
| ITNA45011 | 0401 | 01/23/90 | X | | | | | X | | |
| ITNA45011 | 0401 | 01/23/90 | | | | | | X | | |
| ITNA45011 | 0156 | 01/23/90 | | | | | | X | | |
| ITNA45011 | 0154 | 01/21/90 | X | | | | | | | |
| ITNA45011 | 0155 | 01/20/90 | X | | | | | | | |
| ITNA45011 | 0402 | 01/21/90 | X | | | | | | | |
| ITNA45011 | 0601 | 01/20/90 | X | | | | | | | |
| ITNA45011 | 0602 | 01/20/90 | X | | | | | | | |
| ITNA45011 | 0605 | 01/20/90 | X | | | | | | | |
| ITNA45011 | 0607 | 01/20/90 | X | | | | | | | |
| ITNA45011 | 0608 | 01/20/90 | X | | | | | | | |
| ITNA45011 | 0305 | 01/20/90 | X | | | | | | | |
| ITNA45011 | 0402 | 01/20/90 | X | | | | | | | |
| ITNA45011 | 0306 | 01/20/90 | X | | | | | | | |
| ITNA45011 | 0307 | 01/20/90 | X | | | | | | | |
| ITNA45011 | 0309 | 01/20/90 | X | | | | | | | |
| ITNA45011 | 0310 | 01/20/90 | X | | | | | | | |
| ITNA45011 | 0310 | 01/20/90 | X | | | | | | | |
| ITNA54011 | 0313 | 01/21/90 | X | | | | | | | |
| ITNA45011 | 0314 | 01/21/90 | X | | | | | | | |
| ITNA45011 | 0315 | 01/20/90 | X | | | | | | | |
| ITNA45011 | 0112 | 01/20/90 | X | | | | | | | |
| ITNA45011 | 0401 | 01/20/90 | X | | | | | | | |
| ITNA45011 | 0401 | 01/20/90 | X | | | | | | | |
| ITNA45011 | 0152 | 01/21/90 | X | | | | | | | |
| ITNA45011 | 0402 | 01/21/90 | X | | | | | | | |
| ITNA45011 | 0153 | 01/21/90 | X | | | | | | | |
| ITNA45011 | 0317 | 01/21/90 | X | | | | | | | |
| ITNA45011 | 0318 | 01/21/90 | X | | | | | | | |
| ITNA45011 | 0401 | 01/21/90 | X | | | | | | | |
| ITNA45011 | 0306 | 01/19/90 | | | | | | X | | |
| ITNA45011 | 0310 | 01/19/90 | | | | | | X | | |
| ITNA45026 | 0071 | 01/24/90 | X | | | | | | | |

## Table III.3. (Continued)

| Batch Number | Location | Sample Date | Analytical Parameter VOA | CANIT | BNAP | EXD | RA | PCB | PM/ET |
|---|---|---|---|---|---|---|---|---|---|
| ITNA45026 | 0076 | 01/24/90 | X | | | | X | | |
| ITNA45026 | 0076 | 01/24/90 | | | | | X | | |
| ITNA45026 | 0913 | 01/24/90 | | | | | X | | |
| ITNA45026 | 0402 | 01/24/90 | | | | | X | | |
| ITNA45026 | 0271 | 01/24/90 | X | | | | | | |
| ITNA45026 | 0304 | 01/24/90 | X | | | | X | | |
| ITNA45026 | 0123 | 01/24/90 | | | | | X | | |
| ITNA45026 | 0124 | 01/24/90 | X | | | | X | | |
| ITNA45026 | 0126 | 01/24/90 | X | | | | X | | |
| ITNA45026 | 0402 | 01/24/90 | X | | | | | | |
| ITNA45026 | 0401 | 01/24/90 | X | | | | | | |
| ITNA45026 | 0401 | 01/24/90 | X | | | | | | |
| ITNA45026 | 0401 | 01/25/90 | | | | | X | | |
| ITNA45026 | 0117 | 01/25/90 | | | | | X | | |
| ITNA45026 | 0120 | 01/25/90 | | | | | X | | |
| ITNA45026 | 0046 | 01/25/90 | X | | | | | | |
| ITNA45026 | 0063 | 01/25/90 | X | | | | X | | |
| ITNA45026 | 0301 | 01/26/90 | X | | | | | | |
| ITNA45026 | 0302 | 01/26/90 | X | | | | | | |
| ITNA45026 | 0303 | 01/25/90 | X | | | | X | | |
| ITNA45026 | 0319 | 01/25/90 | X | | | | | | |
| ITNA45026 | 0401 | 01/25/90 | X | | | | | | |
| ITNA45026 | 0401 | 01/26/90 | | | | | X | | |
| ITNA45026 | 9995 | 01/25/90 | X | | | | | | |
| ITNA45160 | 0129 | 02/20/90 | X | | | | | | |
| ITNA45160 | 0151 | 02/21/90 | X | | | | | | |
| ITNA45160 | 0304 | 02/20/90 | X | | | | | | |
| ITNA45160 | 0311 | 02/20/90 | X | | | | | | |
| ITNA45160 | 0319 | 02/21/90 | X | | | | | | |
| ITNA45160 | 0320 | 02/21/90 | X | | | | | | |
| ITNA45160 | 0401 | 02/20/90 | X | | | | | | |
| ITNA45185 | 0111 | 02/21/90 | X | | | | | | |
| ITNA45185 | 0137 | 02/25/90 | X | | | | | | |
| ITNA45185 | 0301 | 02/22/90 | X | | | | | | |
| ITNA45185 | 0302 | 02/22/90 | X | | | | | | |
| ITNA45185 | 0314 | 02/21/90 | X | | | | | | |
| ITNA45185 | 0404 | 02/21/90 | X | | | | | | |
| ITNA45185 | 0901 | 02/26/90 | X | | | | | | |
| ITNA45185 | 0112 | 02/25/90 | X | | | | | | |
| ITNA45185 | 0129 | 02/25/90 | X | | | | | | |
| ITNA45185 | 0126 | 02/25/90 | X | | | | X | | |
| ITNA45185 | 0152 | 02/25/90 | X | | | | | | |

Table III.3. (Continued)

| Batch Number | Location | Sample Date | Analytical Parameter VOA | CANIT | BNAP | EXA | RAD | PCB | METP |
|---|---|---|---|---|---|---|---|---|---|
| ITNA45185 | 0153 | 02/25/90 | X | | | | | | |
| ITNA45185 | 0154 | 02/25/90 | X | | | | | | |
| ITNA45185 | 0155 | 02/25/90 | X | | | | X | | |
| ITNA45185 | 0303 | 02/26/90 | X | | | | | | |
| ITNA45185 | 0305 | 02/23/90 | X | | | | X | | |
| ITNA45185 | 0306 | 02/24/90 | X | | | | | | |
| ITNA45185 | 0307 | 02/24/90 | X | | | | | | |
| ITNA45185 | 0309 | 02/26/90 | X | | | | | | |
| ITNA45185 | 0310 | 02/24/90 | X | | | | | | |
| ITNA45185 | 0313 | 02/24/90 | X | | | | | | |
| ITNA45184 | 0315 | 02/23/90 | X | | | | | | |
| ITNA45185 | 0317 | 02/25/90 | X | | | | | | |
| ITNA45185 | 0318 | 02/25/90 | X | | | | | | |
| ITNA45185 | 0602 | 02/24/90 | X | | | | X | | |
| ITNA45185 | 0403 | 02/26/90 | X | | | | | | |
| ITNA45185 | 0405 | 02/25/90 | X | | | | | | |
| ITNA45185 | 0406 | 02/28/90 | X | | | | | | |
| ITNA45185 | 0407 | 02/26/90 | X | | | | | | |
| ITNA45185 | 0410 | 02/25/90 | X | | | | | | |
| ITNA45185 | 0137 | 02/24/90 | | | | | X | | |
| ITNA45185 | 0117 | 02/24/90 | | | | | X | | |
| ITNA45185 | 0607 | 02/24/90 | | | | | X | | |
| ITNA45199 | 0601 | 02/24/90 | X | | | | | | |
| ITNA45199 | 0601 | 02/24/90 | X | | | | | | |
| ITNA45199 | 0601 | 02/24/90 | X | | | | | | |
| ITNA45199 | 0605 | 02/24/90 | X | | | | | | |
| ITNA45366 | 0129 | 03/21/90 | X | | | | X | | |
| ITNA45366 | 0156 | 03/21/90 | | | | | X | | |
| ITNA45366 | 0303 | 03/21/90 | X | | | | X | | |
| ITNA45366 | 0304 | 03/21/90 | X | | | | X | | |
| ITNA45366 | 0138 | 03/22/90 | | | | | X | | |
| ITNA45366 | 0601 | 03/22/90 | X | | | | | | |
| ITNA45366 | 0602 | 03/22/90 | X | | | | | | |
| ITNA45366 | 0605 | 03/22/90 | X | | | | | | |
| ITNA45366 | 0607 | 03/22/90 | X | | | | | | |
| ITNA45366 | 0123 | 03/22/90 | | | | | X | | |
| ITNA45366 | 0124 | 03/22/90 | X | | | | X | | |
| ITNA45366 | 0401 | 03/23/90 | X | | | | X | | |
| ITNA45375 | 0402 | 03/26/90 | X | | | | | | |
| ITNA45375 | 0311 | 03/24/90 | X | | | | | | |
| ITNA45375 | 0420 | 03/24/90 | X | | | | | | |
| ITNA45375 | 0421 | 03/24/90 | X | | | | | | |

## Table III.3. (Continued)

| Batch Number | Location | Sample Date | Analytical Parameter VOA | CANIT | BNAP | EXP | RAD | PCB | METAL |
|---|---|---|---|---|---|---|---|---|---|
| ITNA45375 | 0422 | 03/24/90 | X | | | | | | |
| ITNA45375 | 0423 | 03/24/90 | X | | | | | | |
| ITNA45375 | 0046 | 03/23/90 | X | | | | | | |
| ITNA45375 | 0063 | 03/23/90 | X | | | | | | |
| ITNA45375 | 0071 | 03/23/90 | X | | | | | | |
| ITNA45375 | 0076 | 03/23/90 | X | | | | | | |
| ITNA45375 | 0111 | 03/23/90 | X | | | | | | |
| ITNA45375 | 0154 | 03/23/90 | X | | | | | | |
| ITNA45375 | 0155 | 03/23/90 | X | | | | | | |
| ITNA45375 | 0271 | 03/23/90 | X | | | | | | |
| ITNS45375 | 0319 | 03/23/90 | X | | | | | | |
| ITNA45375 | 0320 | 03/23/90 | X | | | | | | |
| ITNA45375 | 0301 | 03/24/90 | X | | | | | | |
| ITNA45375 | 0305 | 03/24/90 | X | | | | | | |
| ITNA45375 | 0306 | 03/24/90 | X | | | | | | |
| ITNA45375 | 0309 | 03/24/90 | X | | | | | | |
| ITNA45375 | 0310 | 03/24/90 | X | | | | | | |
| ITNA45386 | 0315 | 03/26/90 | X | | | | | | |
| ITNA45386 | 0317 | 03/25/90 | X | | | | | | |
| ITNA45386 | 0318 | 03/25/90 | X | | | | | | |
| ITNA45386 | 0411 | 03/26/90 | X | | | | | | |
| ITNA45386 | 0403 | 03/27/90 | X | | | | X | | |
| ITNA45386 | 0112 | 03/25/90 | X | | | | | | |
| ITNA45386 | 0117 | 03/25/90 | | | | | X | | |
| ITNA45386 | 0120 | 03/25/90 | | | | | X | | |
| ITNA45386 | 0122 | 03/25/90 | | | | | X | | |
| ITNA45386 | 0126 | 03/25/90 | X | | | | X | | |
| ITNA45386 | 0137 | 03/26/90 | X | | | | | | |
| ITNA45386 | 0137 | 03/26/90 | X | | | | X | | |
| ITNS45386 | 0151 | 03/27/90 | X | | | | | | |
| ITNS45386 | 0151 | 03/27/90 | X | | | | | | |
| ITNS45386 | 0152 | 03/25/90 | X | | | | | | |
| ITNA45386 | 0153 | 03/26/90 | X | | | | | | |
| ITNA45386 | 0302 | 03/26/90 | X | | | | | | |
| ITNA45386 | 0307 | 03/26/90 | X | | | | | | |
| ITNS45386 | 0313 | 03/26/90 | X | | | | | | |
| ITNA45386 | 0314 | 03/26/90 | X | | | | | | |
| ITNA45627 | 0118 | 05/01/90 | X | | | | | | |
| ITNA45627 | 0126 | 05/01/90 | X | | | | X | | |
| ITNA45627 | 0129 | 05/01/90 | X | | | | X | | |
| ITNA45627 | 0138 | 05/01/90 | | | | | X | | |
| ITNA45627 | 0304 | 05/01/90 | X | | X | | X | X | |
| ITNA45627 | 0312 | 05/01/90 | X | | | | | | |

## Table III.3. (Continued)

| Batch Number | Location | Sample Date | Analytical Parameter VOA | CANIT | BNA | EXAP | RAD | PP/CB | MET |
|---|---|---|---|---|---|---|---|---|---|
| ITNA45627 | 0317 | 05/01/90 | X | | X | | | X | |
| ITNA45627 | 0535 | 05/01/90 | X | | | | X | | |
| ITNA45627 | 0312 | 05/01/90 | X | | | | | | |
| ITNA45627 | 0520 | 05/01/90 | X | | | | | | |
| ITNA45627 | 0521 | 05/01/90 | X | | | | X | | |
| ITNA45627 | 0505 | 05/02/90 | X | | | | | | |
| ITNA45627 | 0505 | 05/02/90 | X | | | | | | |
| ITNA45963 | 0501 | 06/15/90 | X | | | | | | |
| ITNS45963 | 0076 | 06/15/90 | X | | | | | | |
| ITNA45963 | 0271 | 06/15/90 | X | | | | | | |
| ITNA45963 | 0071 | 06/15/90 | X | | | | | | |
| ITNA45963 | 0700 | 06/15/90 | X | | | | | | |
| ITNA45963 | 0530 | 06/15/90 | X | | | | | | |
| ITNA46302 | 0136 | 07/29/90 | | | | | X | | |
| ITNA46302 | 0533 | 07/29/90 | | | | | X | | |
| ITNA46302 | 0115 | 07/28/90 | X | | | | | | |
| ITNA46302 | 0117 | 07/29/90 | X | | | | X | | |
| ITNA46302 | 0120 | 07/29/90 | X | | | | X | | |
| ITNA46302 | 0510 | 07/29/90 | X | | | | | | |
| ITNA46302 | 0520 | 07/29/90 | X | | | | | | |
| ITNA46302 | 0509 | 07/28/90 | X | | | | | | |
| ITNA46302 | 0157 | 07/28/90 | X | | | | | | |
| ITNA46302 | 0123 | 07/28/90 | X | | | | X | | |
| ITNA46302 | 0155 | 07/26/90 | X | | | | | | |
| ITNA46302 | 0530 | 07/26/90 | X | | | | | | |
| ITNA46302 | 0504 | 07/26/90 | X | | | | | | |
| ITNA46302 | 0309 | 07/26/90 | X | | X | | | X | |
| ITNA46302 | 0309 | 07/25/90 | X | | | | | | |
| ITNA46302 | 0311 | 07/26/90 | X | | X | | | | X |
| ITNA46302 | 0315 | 07/25/90 | X | | X | | | X | |
| ITNA46302 | 0502 | 07/25/90 | X | | | | | | |
| ITNA36302 | 0314 | 07/25/90 | X | | X | | | X | |
| ITNA46302 | 0156 | 07/28/90 | X | | | | X | | |
| ITNA46302 | 0124 | 07/28/90 | X | | | | X | | |
| ITNA46302 | 0508 | 07/28/90 | X | | | | | | |
| ITNA46302 | 0116 | 07/28/90 | X | | | | | | |
| ITNA46302 | 0116 | 07/28/90 | X | | | | | | |
| ITNA46302 | 0511 | 07/29/90 | X | | | | | | |
| ITNA46302 | 0319 | 07/29/90 | X | | X | | | X | |
| ITNA46302 | 0531 | 07/29/90 | X | | X | | | X | |
| ITNA46302 | 0128 | 07/29/90 | X | | | | | | |
| ITNA46319 | 0517 | 08/01/90 | X | | | | | | |

Table III.3. (Continued)

| Batch Number | Location | Sample Date | Analytical Parameter VOA | CANIT | BNA | EXP | RAD | PP/CB | METM |
|---|---|---|---|---|---|---|---|---|---|
| ITNA46319 | 0310 | 08/01/90 | X | | X | | X | X | |
| ITNA46319 | 0320 | 08/01/90 | X | | X | | | X | |
| ITNA46319 | 0128 | 08/01/90 | X | | | | | | |
| ITNA46319 | 0130 | 08/01/90 | X | | | | | | |
| ITNA46319 | 0601 | 08/01/90 | X | | | | | | |
| ITNA46319 | 0605 | 08/01/90 | X | | | | | | |
| ITNA46319 | 0602 | 08/01/90 | X | | | | | | |
| ITNA46319 | 0158 | 08/01/90 | X | | | | | | |
| ITNA46319 | 0607 | 08/01/90 | X | | | | | | |
| ITNA46319 | 0609 | 08/01/90 | X | | | | | | |
| ITNA46319 | 0913 | 08/01/90 | | | | | X | | |
| ITNA46319 | 0516 | 08/01/90 | X | | | | | | |
| ITNA46319 | 0515 | 07/31/90 | X | | | | | | |
| ITNA46319 | 0111 | 07/31/90 | X | | | | X | | |
| ITNA46319 | 0159 | 07/31/90 | X | | | | | | |
| ITNS46319 | 0160 | 07/31/90 | X | | | | | | |
| ITNA46319 | 0127 | 07/31/90 | X | | | | | | |
| ITNA46319 | 0514 | 07/31/90 | X | | | | | | |
| ITNA46319 | 0137 | 07/30/90 | X | | | | | | |
| ITNA46319 | 0137 | 07/31/90 | X | | | | X | | |
| ITNA46319 | 0307 | 07/31/90 | X | | X | | | X | |
| ITNA46319 | 0313 | 07/31/90 | X | | X | | | X | |
| ITNA46319 | 0076 | 07/31/90 | X | | | | X | | |
| ITNA46319 | 0071 | 07/31/90 | X | | | | | | |
| ITNA46319 | 0271 | 07/31/90 | X | | | | | | |
| ITNA46319 | 0046 | 07/31/90 | X | | | | | | |
| ITNA46319 | 0063 | 07/31/90 | X | | | | X | | |
| ITNA46319 | 0312 | 07/30/90 | | | X | | | X | |
| ITNA46319 | 0513 | 07/30/90 | X | | | | | | |
| ITNA46319 | 0112 | 07/30/90 | X | | | | | | |
| ITNA46319 | 0119 | 07/30/90 | X | | | | | | |
| ITNA46319 | 0152 | 07/30/90 | X | | | | | | |
| ITNA46319 | 0512 | 07/30/90 | X | | | | | | |
| ITNA46319 | 0122 | 07/29/90 | X | | | | | | |
| ITNA46319 | 0122 | 07/30/90 | X | | | | X | | |
| ITNA46319 | 0534 | 07/30/90 | X | | | | X | | |
| ITNA46319 | 0521 | 07/30/90 | X | | | | | | |
| ITNA46319 | 0151 | 07/30/90 | X | | | | | | |
| ITNA46319 | 0125 | 07/29/90 | X | | | | | | |
| ITNA46319 | 0125 | 07/30/90 | X | | | | | | |
| ITNA46319 | 0312 | 07/30/90 | X | | | | | | |
| ITNA46319 | 0312 | 07/31/90 | X | | | | | | |

Table III.3. (Continued)

| Batch Number | Location | Sample Date | Analytical Parameter VOA | CANIT | BNAP | EXAD | RA | P/PCB | MET |
|---|---|---|---|---|---|---|---|---|---|
| ITNA46345 | 0540 | 08/03/90 | X | | | | | | |
| ITNA46345 | 0317 | 08/03/90 | X | | X | | | X | |
| ITNA46345 | 0800 | 08/03/90 | X | | X | | X | X | |
| ITNA46345 | 0530 | 08/03/90 | X | | X | | X | X | |
| ITNA46345 | 0028 | 08/03/90 | X | | | | | | |
| ITNA46345 | 0541 | 08/03/90 | X | | | | | | |
| ITNA46345 | 0118 | 08/03/90 | X | | | | | | |
| INTS46345 | 0519 | 08/02/90 | X | | | | | | |
| ITNA46345 | 0302 | 08/02/90 | X | | X | | | X | |
| ITNA46345 | 0304 | 08/02/90 | X | | X | | X | X | |
| INTA46345 | 0301 | 08/02/90 | X | | X | | | X | |
| ITNA46345 | 0303 | 08/02/90 | X | | X | | X | X | |
| ITNA46345 | 0518 | 08/02/90 | X | | | | | | |
| ITNA46345 | 0154 | 08/02/90 | X | | | | | | |
| ITNA46345 | 0129 | 08/02/90 | X | | | | X | | |
| ITNA46345 | 0126 | 08/02/90 | X | | | | X | | |
| ITNA46345 | 0028 | 08/02/90 | X | | | | | | |
| ITNA46345 | 0535 | 08/02/90 | X | | | | | | |
| ITNA46345 | 0700 | 08/02/90 | X | | | | | | |
| REA35527 | 0106 | 07/21/89 | X | | | | | | |
| REA35532 | 0037 | 07/22/89 | X | | X | | | X | X |
| REA35532 | 0037 | 07/22/89 | X | | | | | | |
| REA35532 | 0037 | 07/22/89 | X | | | | | | |
| REA35532 | 0062 | 07/24/89 | X | | | | | | |
| REA35532 | 0062 | 07/24/89 | X | | | | | | |
| REA35532 | 0062 | 07/24/89 | X | | | | | | |
| REA35532 | 0108 | 07/23/89 | X | | X | | | X | X |
| REA35532 | 0108 | 07/23/89 | X | | | | | | |
| REA35532 | 0108 | 07/23/89 | X | | | | | | |
| REA35532 | 0108 | 07/23/89 | X | | | | | | |
| REA35532 | 0108 | 07/23/89 | X | | | | | | |
| REA35535 | 0089 | 07/25/89 | X | | | | | | |
| REA35535 | 0089 | 07/25/89 | X | | | | | | |
| REA35538 | 0099 | 07/26/89 | X | | | | | | |
| REA35538 | 0099 | 07/26/89 | X | | | | | | |
| REA35547 | 0100 | 08/01/89 | X | | X | | | X | X |
| REA35547 | 0100 | 08/01/89 | X | | | | | | |
| REA35547 | 0100 | 08/01/89 | X | | | | | | |
| REA35547 | 0100 | 08/01/89 | X | | | | | | |
| REA35547 | 0100 | 08/01/89 | X | | | | | | |
| REA35548 | 0106 | 08/02/89 | X | | | | | | |

Table III.3. (Continued)

| Batch Number | Location | Sample Date | Analytical Parameter VOA | CANIT | BNAP | EXAD | RP/PCB | MET |
|---|---|---|---|---|---|---|---|---|
| REA35550 | 0106 | 08/22/89 | X | | X | | X | X |
| REA35550 | 0106 | 08/02/89 | X | | | | | |
| REA35550 | 0106 | 08/02/89 | X | | | | | |
| REA35550 | 0106 | 08/02/89 | X | | | | | |
| REA35550 | 0037 | 08/03/89 | X | | | | | |
| REA35554 | 0037 | 08/04/89 | X | | | | | |
| REA35555 | 0099 | 08/05/89 | X | | | | | |
| REA55555 | 0099 | 08/05/89 | X | | | | | |
| REA35555 | 0099 | 08/03/89 | X | | | | | |
| REA35555 | 0099 | 08/06/89 | X | | | | | |
| REA35558 | 0037 | 08/08/89 | X | | X | | X | X |
| REA35558 | 0037 | 08/08/89 | X | | | | | |
| REA35558 | 0037 | 08/08/89 | X | | | | | |
| REA35558 | 0032 | 08/08/89 | X | | | | | |
| REA35559 | 0037 | 08/08/89 | X | | | | | |
| REA35567 | 0047 | 08/16/89 | X | | | | | |
| REA35568 | 0047 | 08/16/89 | X | | | | | |
| REA35568 | 0047 | 08/16/89 | X | | | | | |
| REA35568 | 0047 | 08/16/89 | X | | | | | |
| REA35569 | 0047 | 08/16/89 | X | | X | | X | X |
| REA35569 | 0047 | 08/16/89 | X | | | | | |
| REA35569 | 0047 | 08/16/89 | X | | X | | X | |
| REA35570 | 0037 | 08/16/89 | X | | X | | X | X |
| REA35570 | 0047 | 08/16/89 | X | | | | | |
| REA35572 | 0100 | 08/17/89 | X | | | | | |
| REA35572 | 0100 | 08/17/89 | X | | | | | |
| REA35572 | 0100 | 08/17/89 | X | | X | | X | X |
| REA35572 | 0089 | 08/17/89 | X | | | | | |
| REA35574 | 0037 | 08/18/89 | X | | | | | |
| REA35574 | 0106 | 08/18/89 | X | | | | | |
| REA35574 | 0089 | 08/18/89 | X | | | | | |
| REA35932 | 0605 | 04/24/90 | X | | | | | |
| REA35932 | 0607 | 04/24/90 | X | | | | | |
| REA35932 | 0159 | 04/24/90 | X | | | | | |
| REA35932 | 0154 | 04/24/90 | X | | | | | |
| REA35932 | 0155 | 04/24/90 | X | | | | | |
| REA35932 | 0500 | 04/25/90 | X | | | | | |
| REA35937 | 0076 | 04/25/90 | X | | | X | | |
| REA35937 | 0271 | 04/25/90 | X | | | | | |
| REA35937 | 0071 | 04/25/90 | X | | | | | |
| REA35937 | 0063 | 04/25/90 | X | | | X | | |

Table III.3. (Continued)

| Batch Number | Location | Sample Date | Analytical Parameter VOA | CANIT | BNA | EXP | RAD | PCB | METAL |
|---|---|---|---|---|---|---|---|---|---|
| REA35937 | 0530 | 04/25/90 | X | | | | X | | |
| REA35937 | 0305 | 04/25/90 | X | | X | | | X | |
| REA35937 | 0309 | 04/25/90 | X | | X | | | X | |
| REA35937 | 0151 | 04/25/90 | X | | | | | | |
| REA35937 | 0501 | 04/26/90 | X | | | | | | |
| REA35937 | 0913 | 04/25/90 | | | | | X | | |
| REA35938 | 0122 | 04/26/90 | X | | | | X | | |
| REA35938 | 0307 | 04/26/90 | X | | X | | | X | |
| REA35938 | 0310 | 04/26/90 | X | | X | | X | X | |
| REA35938 | 0531 | 04/26/90 | X | | X | | X | X | |
| REA35938 | 0313 | 04/26/90 | X | | X | | | X | |
| REA35938 | 0314 | 04/26/90 | X | | X | | | X | |
| REA35938 | 0315 | 04/26/90 | X | | X | | | X | |
| REA35938 | 0502 | 04/27/90 | X | | | | | | |
| REA35938 | 0122 | 04/26/90 | X | | | | | | |
| REA35938 | 0502 | 04/26/90 | X | | | | | | |
| REA35941 | 0116 | 04/29/90 | X | | | | | | |
| REA35941 | 0128 | 04/28/90 | X | | | | | | |
| REA35941 | 0301 | 04/29/90 | X | | X | | | X | |
| REA35941 | 0306 | 04/29/90 | X | | X | | X | X | |
| REA35941 | 0311 | 04/29/90 | X | | X | | | X | |
| REA35941 | 0318 | 04/29/90 | X | | X | | | X | |
| REA35941 | 0503 | 04/30/90 | X | | | | | | |
| REA35941 | 0503 | 04/30/90 | X | | | | | | |
| REA35941 | 0305 | 04/29/90 | | | X | | | X | |
| REA35941 | 0309 | 04/29/90 | | | X | | | X | |
| REA35941 | 0111 | 04/27/90 | X | | | | X | | |
| REA35941 | 0112 | 04/27/90 | X | | | | | | |
| REA35941 | 0127 | 04/27/90 | X | | | | | | |
| REA35941 | 0160 | 04/27/90 | X | | | | | | |
| REA35941 | 0153 | 04/27/90 | X | | | | | | |
| REA35941 | 0152 | 04/27/90 | X | | | | | | |
| REA35941 | 0115 | 04/28/90 | X | | | | X | | |
| REA35941 | 0120 | 04/28/90 | X | | | | X | | |
| REA35941 | 0123 | 04/28/90 | X | | | | X | | |
| REA35941 | 0124 | 04/28/90 | X | | | | X | | |
| REA35941 | 0125 | 04/28/90 | X | | | | | | |
| REA35941 | 0156 | 04/28/90 | X | | | | X | | |
| REA35941 | 0157 | 04/28/90 | X | | | | | | |
| REA35941 | 0532 | 04/28/90 | X | | | | | | |
| REA35943 | 0119 | 04/30/90 | X | | | | | | |
| REA35943 | 0130 | 04/30/90 | X | | | | | | |

Table III.3. (Continued)

| Batch Number | Location | Sample Date | Analytical Parameter VOA | CANIT | BNA | EXAP | RAD | PCB | METAL |
|---|---|---|---|---|---|---|---|---|---|
| REA35943 | 0533 | 04/30/90 | X | | | | | | |
| REA35943 | 0302 | 04/30/90 | X | | X | | | X | |
| REA35943 | 0303 | 04/30/90 | X | | X | | X | X | |
| REA35943 | 0504 | 05/01/90 | X | | | | | | |
| REA36166 | 0301 | 07/25/90 | X | | X | | | X | |
| REA36166 | 0302 | 07/25/90 | X | | X | | | X | |
| REA36166 | 0317 | 07/25/90 | X | | X | | | X | |
| REA36166 | 0503 | 07/25/90 | X | | | | | | |
| REA36166 | 0155 | 07/26/90 | X | | | | | | |
| REA36166 | 0530 | 07/26/90 | X | | | | | | |
| REA36166 | 0504 | 07/26/90 | X | | | | | | |
| REA36166 | 0309 | 07/26/90 | X | | X | | | X | |
| REA36166 | 0309 | 07/25/90 | X | | | | | | |
| REA36166 | 0311 | 07/26/90 | X | | X | | | X | |
| REA36166 | 0315 | 07/25/90 | X | | X | | | X | |
| REA36166 | 0502 | 07/25/90 | X | | | | | | |
| REA36166 | 0314 | 07/25/90 | X | | X | | | X | |
| REA36167 | 0156 | 07/28/90 | X | | | | X | | |
| REA36167 | 0124 | 07/28/90 | X | | | | X | | |
| REA36167 | 0508 | 07/28/90 | X | | | | | | |
| REA36167 | 0116 | 07/28/90 | X | | | | | | |
| REA36167 | 0116 | 07/28/90 | X | | | | | | |
| REA36167 | 0511 | 07/29/90 | X | | | | | | |
| REA36167 | 0319 | 07/29/90 | X | | X | | | X | |
| REA36167 | 0531 | 07/29/90 | X | | X | | | X | |
| REA36167 | 0128 | 07/29/90 | X | | | | | | |
| REA36167 | 0509 | 07/28/90 | X | | | | | | |
| REA36167 | 0157 | 07/28/90 | X | | | | | | |
| REA36167 | 0123 | 07/28/90 | X | | | | X | | |
| REA36167 | 0138 | 07/28/90 | | | | | X | | |
| REA36167 | 0533 | 07/29/90 | | | | | X | | |
| REA36167 | 0115 | 07/29/90 | X | | | | | | |
| REA36167 | 0117 | 07/29/90 | X | | | | X | | |
| REA36167 | 0120 | 07/29/90 | X | | | | X | | |
| REA36167 | 0510 | 07/29/90 | X | | | | | | |
| REA36167 | 0520 | 07/29/90 | X | | | | | | |
| REA36177 | 0514 | 07/31/90 | X | | | | | | |
| REA36177 | 0137 | 07/30/90 | X | | | | | | |
| REA36177 | 0137 | 07/31/90 | X | | | | X | | |
| REA36177 | 0307 | 07/31/90 | X | | X | | | X | |
| REA36177 | 0313 | 07/31/90 | X | | X | | | X | |
| REA36177 | 0076 | 07/31/90 | X | | | | X | | |

## Table III.3. (Continued)

| Batch Number | Location | Sample Date | Analytical Parameter VOA | CANIT | BNA | EXAP | RAD | P/PCB | MET |
|---|---|---|---|---|---|---|---|---|---|
| REA36177 | 0071 | 07/31/90 | X | | | | | | |
| REA36177 | 0271 | 07/31/90 | X | | | | | | |
| REA36177 | 0046 | 07/31/90 | X | | | | | | |
| REA36177 | 0063 | 07/31/90 | X | | | | X | | |
| REA36177 | 0312 | 07/30/90 | | | X | | | X | |
| REA36177 | 0515 | 07/31/90 | X | | | | | | |
| REA36177 | 0111 | 07/31/90 | X | | | | X | | |
| REA36177 | 0159 | 07/31/90 | X | | | | | | |
| REA36177 | 0160 | 07/31/90 | X | | | | | | |
| REA36177 | 0127 | 07/31/90 | X | | | | | | |
| REA36179 | 0517 | 08/01/90 | X | | | | | | |
| REA36179 | 0310 | 08/01/90 | X | | X | | X | X | |
| REA36179 | 0320 | 08/01/90 | X | | X | | | X | |
| REA36179 | 0128 | 08/01/90 | X | | | | | | |
| REA36179 | 0130 | 08/01/90 | X | | | | | | |
| REA36179 | 0601 | 08/01/90 | X | | | | | | |
| REA36179 | 0605 | 08/01/90 | X | | | | | | |
| REA36179 | 0602 | 08/01/90 | X | | | | | | |
| REA36179 | 0158 | 08/01/90 | X | | | | | | |
| REA36179 | 0607 | 08/01/90 | X | | | | | | |
| REA36179 | 0608 | 08/01/90 | X | | | | | | |
| REA36179 | 0913 | 08/01/90 | | | | | X | | |
| REA36179 | 0516 | 08/01/90 | X | | | | | | |
| REA36183 | 0518 | 08/02/90 | X | | | | | | |
| REA36183 | 0154 | 08/02/90 | X | | | | | | |
| REA36183 | 0129 | 08/02/90 | X | | | | X | | |
| REA36183 | 0126 | 08/02/90 | X | | | | X | | |
| REA36183 | 0028 | 08/02/90 | X | | | | | | |
| REA36183 | 0535 | 08/02/90 | X | | | | | | |
| REA36183 | 0700 | 08/02/90 | X | | | | | | |
| REA36183 | 0540 | 08/03/90 | X | | | | | | |
| REA36183 | 0317 | 08/03/90 | X | | X | | | X | |
| REA36183 | 0800 | 08/03/90 | X | | X | | X | X | |
| REA36183 | 0536 | 08/03/90 | X | | X | | X | X | |
| REA36183 | 0028 | 08/03/90 | X | | | | | | |
| REA36183 | 0541 | 08/03/90 | X | | | | | | |
| REA36183 | 0118 | 08/03/90 | X | | | | | | |
| REA36183 | 0519 | 08/02/90 | X | | | | | | |
| REA36183 | 0302 | 08/02/90 | X | | X | | | X | |
| REA36183 | 0304 | 08/02/90 | X | | X | | X | X | |
| REA36183 | 0301 | 08/02/90 | X | | X | | | X | |
| REA36183 | 0303 | 08/02/90 | X | | X | | X | X | |

## Table III.3. (Continued)

| Batch Number | Location | Sample Date | Analytical Parameter VOA | CANIT | BNA | EXAP | RAD | P/PCB | METM |
|---|---|---|---|---|---|---|---|---|---|
| REA35946 | 0118 | 05/01/90 | X | | | | | | |
| REA35946 | 0126 | 05/01/90 | X | | | | X | | |
| REA35946 | 0129 | 05/01/90 | X | | | | X | | |
| REA35946 | 0138 | 05/01/90 | | | | | X | | |
| REA35946 | 0304 | 05/01/90 | X | | X | | X | X | |
| REA35946 | 0312 | 05/01/90 | X | | | | | | |
| REA35946 | 0317 | 05/01/90 | X | | X | | | X | |
| REA35946 | 0535 | 05/01/90 | X | | | | X | | |
| REA35946 | 0312 | 05/01/90 | X | | | | | | |
| REA35946 | 0520 | 05/01/90 | X | | | | | | |
| REA35946 | 0521 | 05/01/90 | X | | | | X | | |
| REA35946 | 0505 | 05/02/90 | X | | | | | | |
| REA35946 | 0505 | 05/02/90 | X | | | | | | |
| REA35950 | 0800 | 05/02/90 | X | | X | | X | X | |
| REA35950 | 0320 | 05/02/90 | X | | X | | | X | |
| REA35950 | 0534 | 05/02/90 | X | | X | | X | X | |
| REA35950 | 0601 | 05/02/90 | X | | | | | | |
| REA35950 | 0137 | 05/01/90 | X | | | | | | |
| REA35950 | 0158 | 05/02/90 | X | | | | | | |
| REA35950 | 0608 | 05/02/90 | X | | | | | | |
| REA35950 | 0046 | 05/02/90 | X | | | | | | |
| REA35950 | 0137 | 05/02/90 | X | | | | X | | |
| REA35950 | 0319 | 05/02/90 | X | | X | | | X | |
| REA35950 | 0602 | 05/02/90 | X | | | | | | |
| REA35950 | 0506 | 05/03/90 | X | | | | | | |
| REA35950 | 0506 | 05/03/90 | X | | | | | | |
| REA35950 | 0312 | 05/03/90 | | | | | X | | |
| REA36157 | 0310 | 07/24/90 | X | | X | | X | X | |
| REA36157 | 0501 | 07/24/90 | X | | | | | | |
| REA36157 | 0153 | 07/24/90 | X | | | | | | |
| REA36157 | 0306 | 07/24/90 | X | | X | | X | X | |
| REA36157 | 0500 | 07/24/90 | X | | | | | | |
| REA36157 | 0305 | 07/24/90 | X | | X | | | X | |
| REA36157 | 0318 | 07/24/90 | X | | X | | | X | |
| REA35941 | 0117 | 04/28/90 | X | | | | X | | |
| REA36166 | 0505 | 07/26/90 | X | | | | | | |
| REA36166 | 0154 | 07/26/90 | X | | | | | | |
| REA36166 | 0303 | 07/26/90 | X | | X | | X | X | |
| REA36166 | 0304 | 07/26/90 | X | | X | | X | X | |

## Table III.3. (Concluded)

### MOUND DATA KEY

| | |
|---|---|
| VOA | VOLATILE ANALYSIS |
| CA | CATION ANALYSIS |
| AN | ANION ANALYSIS |
| NIT | NITRATE ANALYSIS |
| BNA | SEMIVOLATILE ANALYSIS |
| EXP | EXPLOSIVE ANALYSIS |
| RAD | RADIONUCLIDE ANALYSIS |
| P/PCB | PESTICIDES AND POLYCHLORINATED BIPHENYL |
| MET | METAL ANALYSIS |

did not perform according to calculations of the aquifer and pump tests; (3) well design was locally inappropriate, e.g., long screened intervals for determining the vertical extent of contamination; (4) a soil gas survey conducted around Area B indicated that there may be two or more potential sources of volatile organics in the groundwater, and the areas adjacent to Area B should be examined more carefully; and (5) the distribution of wells downgradient of Area B was insufficient for the remedial investigations activities (DOE 1987). These deficiencies hindered the completion of Stage 1, but were used to develop a Stage 2 sampling plan that greatly expanded and improved the monitoring well network.

**ER Program Groundwater Monitoring: Stage 2**

The Stage 2 supplementary plan (DOE 1987b) proposed to expand and upgrade the monitoring well network in response to the Stage 1 results; use the new well network to verify the extent or absence of VOC contamination in the groundwater; refine the sources of tritium in the groundwater; and quantify the hydraulic characteristics and the boundaries of the Buried Valley aquifer through aquifer and slug tests.

During Stage 2, 28 new monitoring wells were installed in October and November 1987: 21 in the Buried Valley aquifer and 7 in the bedrock. These wells were located, installed, and developed according to specifications in the DOE work plans (DOE 1989) and ER Program SOPs that follow the Technical Enforcement Guidance Document (TEGD) (EPA 1986). Groundwater samples were collected in December 1987 and March, June, and September 1988. Sampling locations are shown on Figure 3.2. The wells and other sample types (trip blanks, duplicates, etc.) are listed in Tables III.2 and III.4. The older wells were not sampled in December 1987, but were sampled concurrently with the new wells in March 1988 for comparison. Field techniques followed the SOPs outlined in the Stage 1 monitoring plan (DOE 1987a).

Analyses included volatile and semivolatile organic compounds, pesticides and PCBs, some metals, explosives, and the radionuclides tritium, thorium, and uranium (Table III.3). The semivolatile compounds, PCBs, and explosives were not included in the parameter list for the March 1988 sampling round. EPA SW-846 Method 8240 and EPA Method 8010/8020 were used during Stage 2. The former was used because the contaminant species were still relatively uncertain, and the latter was used because lower detection limits for known species were permitted. Sample collection included blanks and spiked samples for quality control purposes (DOE 1989). Chain-of-custody forms were maintained for quality assurance, but analyses did not include data validation because the sampling was continued for scoping purposes. Results of analyses are presented in Appendix A.

Results of the Stage 2 investigations were summarized and discussed in the ER Program Stage 3 Remedial Investigation Plan (DOE 1989), but a comprehensive interpretive report was not produced. The results of Stage 2 indicated that quarterly groundwater sampling should continue only for recurring contaminant species including trichloroethene, tetrachloroethene, and 1,2-*trans*-dichloroethene. Quality assurance and

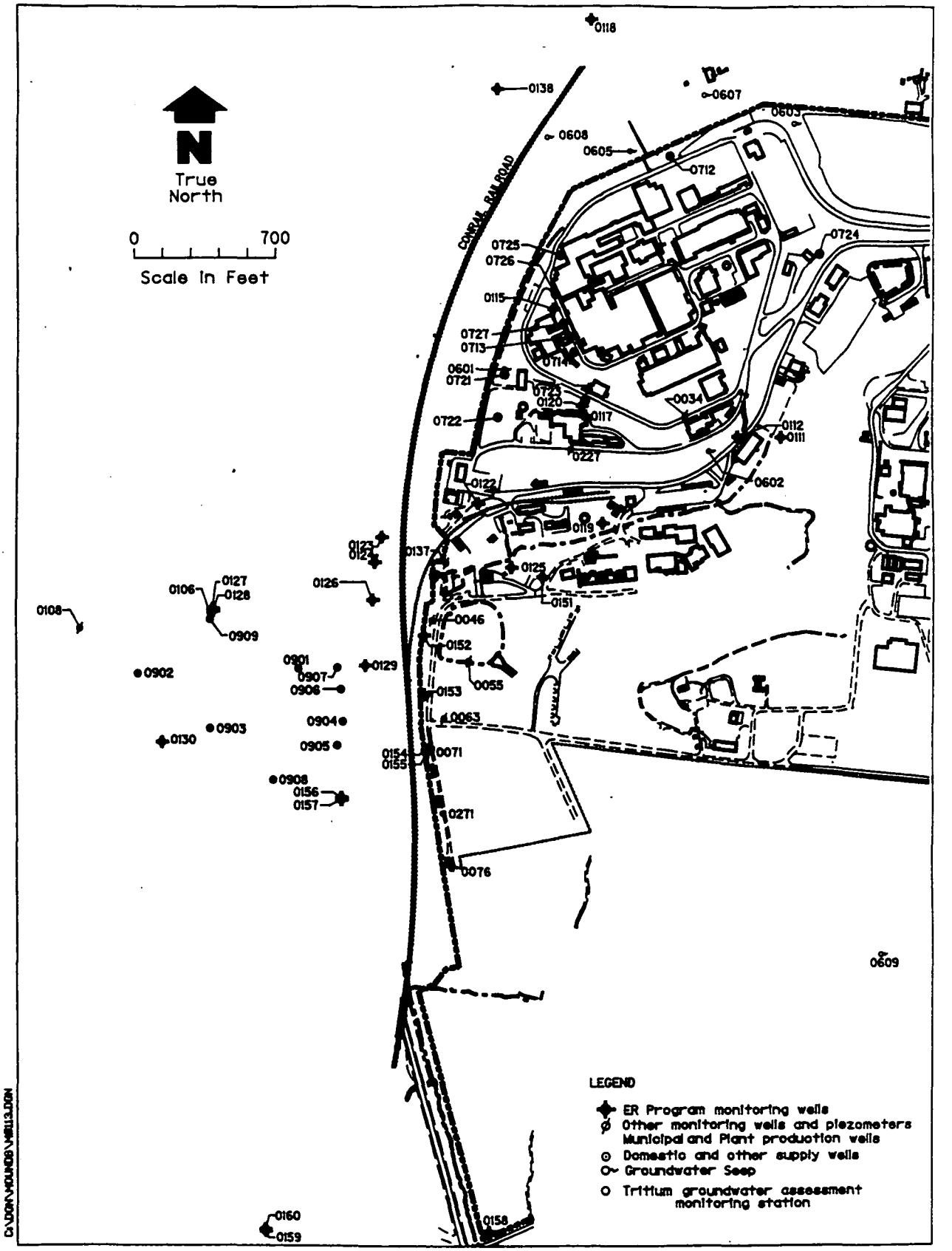


Figure 3.2. Wells and other locations sampled during ER Program Stage 2.

## Table III.4. Summary Table of Municipal, Plant Production, Monitoring, and Selected Domestic Wells Sampling During Stage 2

| ER Program Well I.D. | Date of Installation | Project | Former Well I.D. | Consistency With TEGD[a] |
|---|---|---|---|---|
| 0034 | 05/26/76 | Potable water standards project | 34-1 | No |
| 0046 | 06/22/74 | Other | 46-1 | No |
| 0055 | Ca. 1975 | Potable water standards project | 55-1 | No |
| 0063 | 06/18/74 | Other | 63-1 | No[b] |
| 0071 | Jan. 1962 | Mound Plant production well | 71-1 | Yes[b] |
| 0076 | Dec. 1947 | Mound Plant production well | 76-1 | Yes |
| 0101 | Ca. 1976 | Buried Valley aquifer evaluation | OW-1A | No |
| 0106 | Ca. 1976 | Buried Valley aquifer evaluation | OW-6A | No |
| 0108 | Ca. 1976 | Buried Valley aquifer evaluation | OW-8A | No |
| 0111 | 11/17/87 | ER Program remedial investigation | NA | Yes |
| 0112 | 11/18/87 | ER Program remedial investigation | NA | Yes |
| 0113 | 11/16/87 | ER Program remedial investigation | NA | Yes |
| 0114 | 11/11/87 | ER Program remedial investigation | NA | Yes |
| 0115 | 11/10/87 | ER Program remedial investigation | NA | Yes |
| 0116 | 11/02/87 | ER Program remedial investigation | NA | Yes |
| 0117 | 12/02/87 | ER Program remedial investigation | NA | Yes |
| 0118 | 10/20/87 | ER Program remedial investigation | NA | Yes |
| 0119 | 11/13/87 | ER Program remedial investigation | NA | Yes |
| 0120 | 12/04/87 | ER Program remedial investigation | NA | Yes |
| 0122 | 11/19/87 | ER Program remedial investigation | NA | Yes |
| 0123 | 10/07/87 | ER Program remedial investigation | NA | Yes |
| 0124 | 10/13/87 | ER Program remedial investigation | NA | Yes |
| 0125 | 11/10/87 | ER Program remedial investigation | NA | Yes |
| 0126 | 10/16/87 | ER Program remedial investigation | NA | Yes |
| 0127 | 10/02/87 | ER Program remedial investigation | NA | Yes |
| 0128 | 09/30/87 | ER Program remedial investigation | NA | Yes |
| 0129 | 11/05/87 | ER Program remedial investigation | NA | Yes |
| 0130 | 11/06/87 | ER Program remedial investigation | NA | Yes |
| 0137 | 05/24/76 | Potable water standards project | 37-1A | No |
| 0138 | 10/28/87 | ER Program remedial investigation | NA | Yes |

Table III.4. (concluded)

| ER Program Well I.D. | Date of Installation | Project | Former Well I.D. | Consistency With TEGD[a] |
|---|---|---|---|---|
| 0151 | 07/06/87 | DOE environmental survey | NA | Yes |
| 0152 | 07/08/87 | DOE environmental survey | NA | Yes |
| 0153 | 07/10/87 | DOE environmental survey | NA | Yes |
| 0154 | 10/04/87 | ER Program remedial investigation | NA | Yes |
| 0155 | 10/05/87 | ER Program remedial investigation | NA | Yes |
| 0156 | 10/27/87 | ER Program remedial investigation | NA | Yes |
| 0157 | 10/26/87 | ER Program remedial investigation | NA | Yes |
| 0158 | 11/09/87 | ER Program remedial investigation | NA | Yes |
| 0159 | 10/18/87 | ER Program remedial investigation | NA | Yes |
| 0160 | 10/18/87 | ER Program remedial investigation | NA | Yes |
| 0227 | 05/27/76 | Potable water standards project | 27-2 | No |
| 0271 | Jan. 1948 | Mound Plant production well | 71-2 | Yes |
| 0712 | Ca. 1987 | GW tritium assessment | PO12 | No |
| 0713 | Ca. 1987 | GW tritium assessment | PO13 | No |
| 0714 | Ca. 1987 | GW tritium assessment | PO14 | No |
| 0721 | Ca. 1987 | GW tritium assessment | WO01 | No |
| 0722 | Ca. 1987 | Groundwater tritium assessment | WO02 | No |
| 0723 | Ca. 1987 | Groundwater tritium assessment | WO03 | No |
| 0724 | Ca. 1987 | Groundwater tritium assessment | WO04 | No |
| 0725 | Ca. 1987 | Groundwater tritium assessment | WO05 | No |
| 0726 | Ca. 1987 | Groundwater tritium assessment | WO06 | No |
| 0727 | Ca. 1987 | Groundwater tritium assessment | WO07 | No |
| 0901 | Unknown | Offsite water supply | Bud's #1 | Yes[b] |
| 0902 | Unknown | Offsite water supply | Bud's #2 | Yes[b] |
| 0903 | 09/03/64 | Offsite water supply | Bud's #3 | Yes[b] |
| 0904 | 04/14/77 | Offsite water supply | Jim's | Yes[b] |
| 0905 | Unknown | Offsite water supply | Jim's trailer | Yes[b] |
| 0906 | 04/12/77 | Offsite water supply | Bud's rental | Yes[b] |
| 0907 | 04/08/77 | Offsite water supply | Bud's house | Yes[b] |
| 0909 | 1986 | Offsite water supply | MCD | Yes |

[a] TEGD - Technical Enforcement Guidance Document (EPA 1986)

[b] This is a water supply well that can be used for characterization of potable water supplies.

MCD - Miami Conservancy District

ER - Environmental Restoration (Program)

NA - not applicable

quality control measures of the Stage 2 sampling are also discussed in the Stage 3 Work Plan (DOE 1989). The aquifer and slug tests conducted were inconclusive, and retesting was recommended. These tests are discussed in the RI/FS Site-Wide Work Plan (DOE 1991) and are beyond the scope of this report.

**ER Program Groundwater Monitoring: Stage 3**

The Stage 3 remedial investigation plan (DOE 1989) identified groundwater as the primary contaminant transport pathway. Organic chemical contamination in Area B and tritium contamination of bedrock seeps on the Main Hill were targeted for continued investigation. Remedial investigation of other known sites were considered, but were postponed for budgetary reasons. Twenty new monitoring wells were installed in August and September of 1989. These wells were located, installed, and developed according to specifications in the DOE work plans (DOE 1989) and the ER Program SOPs that follow the TEGD (EPA 1986).

Sampling was conducted in January, February, March, April, July, and October of 1990. The sampling locations are shown in Figure 3.3. Tables III.2 and III.5 lists the sample location designations. The analyses of the October 1990 sampling round were not available at this writing, and their reporting is beyond the scope of this report. The Stage 3 sampling included analyses for volatile and semivolatile organic compounds, pesticides and PCBs, plutonium, cobalt-60, uranium, thorium, and tritium, although not all samples were analyzed for all parameters. Table III.3 lists the sample parameters for the Stage 3 samples cross-referenced by batch number and sample location. Appendix A presents the data as filed by batch number. Sample collection included blanks and spiked samples for quality control purposes (DOE 1989). Chain-of-custody forms were maintained for quality assurance. The volatile analytic methods used were EPA 8010/8020, because they offer lower detection limits and the contaminant species have generally been defined through the previous stages of investigation. Contract Laboratory Program validation packages were supplied with the data and data validation is proposed (DOE 1991) for the July 1990 and subsequent sampling rounds, but is beyond the scope of this report.

## 4. GROUNDWATER SAMPLE DESIGNATIONS

The sample designations used during the ER Program water sampling rounds follow a general three-letter and ten-digit format (e.g., MND01-0909-0001). MND is the facility identity code for Mound Plant, with 01 designating groundwater samples; other codes are used for other investigations (DOE 1989, 1990). The central four digits represent the sampling location, such as the well number or other location identifier (e.g., MND01-0909-XXXX) as described in Tables III.1, III.4, and III.5. The final four digits are the sample identifier (e.g., MND01-XXXX-0001). Table III.2 lists the types and designations of samples collected from locations other than wells and their general purposes.

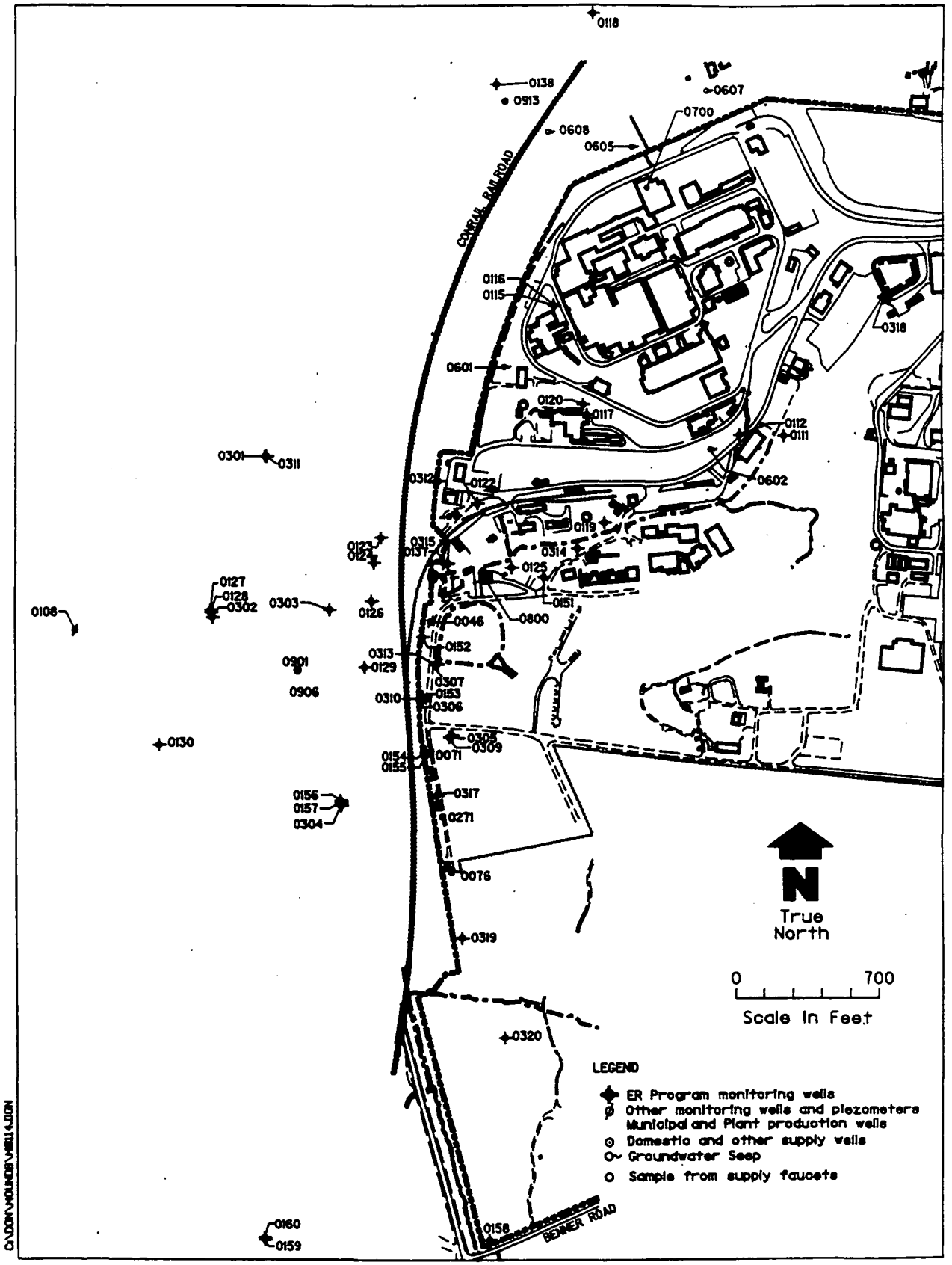


Figure 3.3. Wells and other locations sampled during ER Program Stage 3.

## Table III.5. Summary Table of Municipal, Plant Production, Monitoring, and Selected Domestic Wells Sampled During Stage 3

| ER Program Well I.D. | Date of Installation | Project | Former Well I.D. | Consistency With TEGD[a] |
|---|---|---|---|---|
| 0046 | 06/22/74 | Other | 46-1 | No |
| 0063 | 06/18/74 | Other | 63-1 | No |
| 0071 | Jan. 1962 | MP production well | 71-1 | Yes[b] |
| 0076 | Dec. 1947 | MP production well | 76-1 | Yes[b] |
| 0108 | Ca. 1976 | BVA evaluation | OW-8A | No |
| 0111 | 11/17/87 | ER Program RI | NA | Yes |
| 0112 | 11/18/87 | ER Program RI | NA | Yes |
| 0115 | 11/10/87 | ER Program RI | NA | Yes |
| 0116 | 11/02/87 | ER Program RI | NA | Yes |
| 0117 | 12/02/87 | ER Program RI | NA | Yes |
| 0118 | 10/20/87 | ER Program RI | NA | Yes |
| 0119 | 11/13/87 | ER Program RI | NA | Yes |
| 0120 | 12/04/87 | ER Program RI | NA | Yes |
| 0122 | 11/19/87 | ER Program RI | NA | Yes |
| 0123 | 10/07/87 | ER Program RI | NA | Yes |
| 0124 | 10/13/87 | ER Program RI | NA | Yes |
| 0125 | 11/10/87 | ER Program RI | NA | Yes |
| 0126 | 10/16/87 | ER Program RI | NA | Yes |
| 0127 | 10/02/87 | ER Program RI | NA | Yes |
| 0128 | 09/30/87 | ER Program RI | NA | Yes |
| 0129 | 11/05/87 | ER Program RI | NA | Yes |
| 0130 | 11/06/87 | ER Program RI | NA | Yes |
| 0137 | 05/24/76 | PW standards project | 37-1A | No |
| 0138 | 10/28/87 | ER Program RI | NA | Yes |
| 0151 | 07/06/87 | DOE environmental survey | NA | Yes |
| 0152 | 07/08/87 | DOE environmental survey | NA | Yes |
| 0153 | 07/10/87 | DOE environmental survey | NA | Yes |
| 0154 | 10/04/87 | ER Program RI | NA | Yes |
| 0155 | 10/05/87 | ER Program RI | N/A | Yes |
| 0156 | 10/27/87 | ER Program RI | N/A | Yes |
| 0157 | 10/26/87 | ER Program RI | N/A | Yes |
| 0158 | 11/09/87 | ER Program RI | N/A | Yes |

Table III.5. (continued)

| ER Program Well I.D. | Date of Installation | Project | Former Well I.D. | Consistency With TEGD[a] |
|---|---|---|---|---|
| 0159 | 10/18/87 | ER Program RI | NA | Yes |
| 0160 | 10/18/87 | ER Program RI | NA | Yes |
| 0271 | Jan. 1948 | MP production well | 71-2 | Yes[b] |
| 0301 | 08/09/89 | ER Program RI | NA | Yes |
| 0302 | 09/15/89 | ER Program RI | NA | Yes |
| 0303 | 09/06/89 | ER Program RI | NA | Yes |
| 0304 | 09/20/89 | ER Program RI | NA | Yes |
| 0305 | 08/22/89 | ER Program RI | NA | Yes |
| 0306 | 09/02/89 | ER Program RI | NA | Yes |
| 0307 | 09/04/89 | ER Program RI | NA | Yes |
| 0308 | 09/04/89 | ER Program RI | NA | Yes |
| 0309 | 08/21/89 | ER Program RI | NA | Yes |
| 0310 | 08/16/89 | ER Program RI | NA | Yes |
| 0311 | 08/04/89 | ER Program RI | NA | Yes |
| 0312 | 12/13/89 | ER Program RI | NA | Yes |
| 0313 | 09/04/89 | ER Program RI | NA | Yes |
| 0314 | 08/03/89 | ER Program RI | NA | Yes |
| 0315 | 08/07/89 | ER Program RI | NA | Yes |
| 0317 | 08/18/89 | ER Program RI | NA | Yes |
| 0318 | 08/09/89 | ER Program RI | NA | Yes |
| 0319 | 08/23/89 | ER Program RI | NA | Yes |
| 0320 | 08/19/89 | ER Program RI | NA | Yes |
| 0901 | Unknown | Offsite water supply | Bud's #1 | Yes |
| 0913 | 1935 | Miamisburg prod. well #2 | MB-3 | No |

[a]TEGD - Technical Enforcement Guidance Document (EPA 1986).
[b]This is a water supply well that can be used for characterization of potable water supplies.
ER - Environmental Restoration (Program)
DOE - U.S. Department of Energy
NA - not applicable
RI - remedial investigation

This type of identification code has been used throughout the three stages of water sampling, but has changed somewhat over time. For instance, during Stages 1 and 2, duplicate samples were designated sequentially (e.g., MND01-XXXX-0001 and MND01-XXXX-0002), and trip blanks were labeled "trip blanks." In Stage 3, however, field duplicates and trip blanks are designated with 0400 and 0500 designations (Table III.2) to hide their identities (e.g., MND 01-0401-XXXX) from the laboratories.

## 5. GROUNDWATER DATA SPECIFICATIONS

The groundwater sampling and analysis data collected by the ER Program from February 1987 (Stage 1) to July 1990 (Stage 3) is included as Appendix A of this report. Appendix A (under separate cover) is filed and cross-referenced according to the laboratory batch number (Table V.1). For each batch number, a chain-of-custody form, laboratory report, and database printout are provided. These are arranged numerically and alphabetically by batch number. For one reason or another, one or all three of these items may be missing for individual batches, as also noted in Table V.1. Table III.3 presents a cross-reference between batch numbers, sample locations, sample dates, and analytical parameters. These data files contain analyzed parameters for monitoring and supply wells on and adjacent to Mound Plant. Analyses are also given for other samples collected including surface water, trip blanks, matrix spike samples, duplicates, and other samples required for quality control. Table III.2 lists the other sample types included. The samples collected for quality control generally use numbers other than those assigned to monitoring and supply wells, as discussed above. Table III.2 indicates that blocks of numbers are reserved for such use (e.g. 0400-0423) and may not always be used or may be different for different sampling rounds.

During Stage 1, laboratory reports were transferred by hand into the database from hardcopy reports. Since Stage 2, however, laboratory reports have been transferred electronically, either by telephone line and modem, or more recently, by floppy discs. The data have been stored in a VAX-based system using a Technical Information Management System (TIMS). The hardcopy laboratory reports were transmitted after the electronic transmission and have been used to verify the data entered into TIMS. The hardcopy data reports in Appendixes A and B are printouts from TIMS.

Appendix B (under separate cover) of this report contains electronic copies of the database in ASCII format referenced by batch number (Table V.2). The data reported in electronic format follows two conventions. First, for data from Stage 2 since September 1988 and Stage 3, the floppies contain copies of the laboratory reports themselves. The format of these floppy discs (discs 1 through 12) is described in Table V.3. Second, for data reported during Stage 1 and Stage 2 through June 1988, the floppies contain copies of the TIMS report. The format of these floppy discs (discs 13 and 14) is described in Table V.4.

Table V.1. Index of Groundwater Sample Batches, Sample Data, and Available Chain-of-Custody, Database Printout and Laboratory Reports Contained in Appendix A

| Batch # | Sample Date | Matrix | Chain of Custody | Datebase Report | Lab Report |
|---|---|---|---|---|---|
| 8703-823 | 02-27-87 | Water | X | X | X |
| 8703-847 | 03-02-87 | Water | X | X | X |
| 8703-890 | 03-02-87 | Water | X | X | X |
| 8703-899 | 03-05-87 | Water | X | X | X |
| 8712-011 | 12-08-87 | Water | X | X | X |
| 8712-012 | 12-11-87 | Water | X | X | X |
| 8712-023 | 12-13-87 | Water | X | X | X |
| 8712-024 | 12-14-87 | Water | X | X | X |
| 8712-036 | 12-15-87 | Water | X | X | X |
| 8712-052 | 12-15-87 | Water | X | X | X |
| 8712-960 | 12-07-87 | Water | X | X | X |
| 8712-961 | 12-07-87 | Water | X | X | X |
| 8712-973 | 12-09-87 | Water | X | X | X |
| 8712-974 | 12-09-87 | Water | X | X | X |
| 8712-990 | 12-10-87 | Water | X | X | X |
| 8803-643 | 03-01-88 | Water | X | X | X |
| 8803-655 | 03-03-88 | Water | X | X | X |
| 8803-667 | 03-04-88 | Water | X | X | X |
| 8803-678 | 03-07-88 | Water | X | X | X |
| 8803-698 | 03-07-88 | Water | X | X | X |
| 8803-720 | 03-09-88 | Water | | X | X |
| 8806-766 | 06-22-88 | Water | X | X | X |
| 8806-785 | 06-23-88 | Water | X | X | X |
| 8806-802 | 06-24-88 | Water | X | X | X |
| 8806-811 | 06-23-88 | Water | X | X | X |
| 8806-818 | 06-27-88 | Water | X | X | X |
| 8806-840 | 06-28-88 | Water | X | X | X |
| 8806-857 | 06-29-88 | Water | X | X | X |
| 8809-555 | 09-07-88 | Water | X | X | X |
| 8809-576 | 09-08-88 | Water | X | X | X |
| 8809-596 | 09-09-88 | Water | X | X | X |
| 8809-606 | 09-11-88 | Water | X | X | X |
| 8809-614 | 09-11-88 | Water | X | X | X |
| 8809-643 | 09-13-88 | Water | X | X | X |
| 8809-655 | 09-14-88 | Water | | X | X |
| 8811-074 | 11-25-88 | Water | | X | X |
| 8812-001 | 11-30-88 | Water | X | X | X |
| 8812-014 | 12-01-88 | Water | X | X | X |
| ITNA45011 | 01-23-90 | Water | X | X | X |
| ITNA45026 | 01-24-90 | Water | X | X | X |
| ITNA45160 | 02-20-90 | Water | X | X | X |
| ITNA45185 | 02-25-90 | Water | X | X | X |
| ITNA45199 | 02-28-90 | Water | | X | X |

Table V.1. (concluded)

| Batch # | Sample Date | Matrix | Chain of Custody | Datebase Report | Lab Report |
|---|---|---|---|---|---|
| ITNA45366 | 03-22-90 | Water | X | X | X |
| ITNA45375 | 03-26-90 | Water | X | X | X |
| ITNA45386 | 03-26-90 | Water | X | X | X |
| ITNA45540 | 04-18-90 | Water | X | X | X |
| ITNA45627 | 05-01-90 | Water | X | X | X |
| ITNA45963 | 06-15-90 | Water | X | X | X |
| ITNA46265 | 07-24-90 | Water | | | |
| ITNA46302 | 07-26-90 | Water | X | X | X |
| ITNA46319 | 07-31-90 | Water | X | X | X |
| ITNA46345 | 08-03-90 | Water | X | X | X |
| REA35526 | 07-19-89 | 1Water | X | X | X |
| REA35527 | 07-25-89 | 1Water | X | | |
| REA35532 | 07-23-89 | Water | X | X | X |
| REA35535 | 07-25-89 | 1Water | X | X | X |
| REA35538 | 07-26-89 | 3Water | X | X | X |
| REA35547 | 08-01-89 | 1Water | X | X | X |
| REA35548 | 08-02-89 | 1Water | X | | X |
| REA35550 | 08-22-89 | Water | X | X | X |
| REA35554 | 08-24-89 | 1Water | X | | X |
| REA35555 | 08-05-89 | 4Water | X | X | X |
| REA35558 | 08-08-89 | Water | X | X | X |
| REA35559 | 08-08-89 | 1Water | X | X | X |
| REA35567 | 08-16-89 | 1Water | X | X | X |
| REA35568 | 08-16-89 | 2Water | X | X | X |
| REA35569 | 08-16-89 | Water | X | X | X |
| REA35570 | 08-16-89 | Water | X | X | X |
| REA35572 | 08-17-89 | 7Water | X | | X |
| REA35574 | 08-18-89 | Water | X | | X |
| REA35578 | 08-21-89 | 3Water | | | X |
| REA35584 | 08-29-89 | 3Water | | | X |
| REA35595 | 08-31-89 | 3Water | | | X |
| REA35602 | 09-04-89 | 4Water | | | X |
| REA35932 | 04-24-90 | Water | X | X | X |
| REA35937 | 04-25-90 | Water | X | X | X |
| REA35938 | 04-27-90 | Water | X | X | X |
| REA35941 | 04-29-90 | Water | X | X | X |
| REA35943 | 04-30-90 | Water | X | X | X |
| REA35946 | 05-01-90 | Water | X | X | X |
| REA35950 | 05-04-90 | Water | X | X | X |
| REA36157 | 07-25-90 | Water | X | | X |
| REA36166 | 07-25-90 | Water | X | | X |
| REA36167 | 07-29-90 | Water | X | | X |
| REA36177 | 09-31-90 | Water | X | | X |
| REA36179 | 08-01-90 | Water | X | | X |
| REA36183 | 08-20-90 | Water | X | | X |
| REA46319 | 07-30-90 | Water | X | | X |

Table V.2. Index of Data Disk Contents by Batch Number

| File Name | Disk # |
|---|---|
| L8809555.DAT | 1 |
| L8809576.DAT | 1 |
| L8809596.DAT | 1 |
| L8809606.DAT | 1 |
| L8809614.DAT | 1 |
| L8809643.DAT | 1 |
| L8809643.DAT | 1 |
| L8810216.INO | 1 |
| L8811238.INO | 1 |
| W8809614.DAT | 1 |
| W8809643.DAT | 1 |
| W8810181.INO | 1 |
| W8810202.INO | 1 |
| W8810202.VOA | 1 |
| W8810216.VOA | 1 |
| L8809555.DA | 2 |
| L8809576.DAT | 2 |
| L8809596.DAT | 2 |
| L8809606.DAT | 2 |
| L8809614.DAT | 2 |
| L8809643.DAT | 2 |
| L8809655.DAT | 2 |
| S8811074.MET | 3 |
| S8812001.MET | 3 |
| S8812014.INO | 3 |
| W8811074.DAT | 3 |
| W8812001.DAT | 3 |
| W8812014.DAT | 3 |
| ITNA4501.1A | 3 |
| ITNA4502.6A | 3 |
| ITNA4516.0A | 3 |
| ITNA4518.5A | 3 |
| ITNA4519.9A | 4A |
| ITNA4536.6A | 4A |
| ITNA4537.5A | 4A |
| ITNA4537.5B | 4A |
| ITNA4538.6A | 4A |
| ITNA4554.0A | 4A |
| ITNA4562.7A | 4A |
| ITNA4596.3A | 4A |
| ITNA4626.5A | 4A |
| ITNA4630.2A | 4B |
| ITNA4631.9A | 4B |

| File Name | Disk # |
|---|---|
| ITNA4634.5A | 5 |
| REA35526.A | 5 |
| REA35527.A | 5 |
| REA35527.RA | 5 |
| REA35535.A | 5 |
| REA35535.B | 5 |
| REA35538.A | 5 |
| REA35538.B | 5 |
| REA35538.C | 5 |
| REA35538.RA | 5 |
| REA35532.A | 6 |
| REA35532.B | 6 |
| REA35532.RA | 7 |
| REA35535.RA | 7 |
| REA35538.RA | 7 |
| REA35547.B | 7 |
| REA35550.B | 7 |
| REA35550.RA | 7 |
| REA35554.B | 7 |
| REA35554.VOA | 7 |
| REA35558.A | 7 |
| REA35559.A | 7 |
| REA35567.RA | 7 |
| REA35569.A | 7 |
| REA35570.A | 7 |
| REA35535.C | 8 |
| REA35548.A | 8 |
| REA35548.B | 8 |
| REA35555.A | 8 |
| REA35526.B | 9 |
| REA35532.C | 9 |
| REA35535.D | 9 |
| REA35538.D | 9 |
| REA35547.A | 9 |
| REA35547.C | 9 |
| REA35550.A | 9 |
| REA35550.C | 9 |
| REA35554.A | 9 |
| REA35558.A | 9 |
| REA35558.B | 9 |
| REA35558.C | 9 |
| REA35559.B | 9 |
| REA35559.C | 9 |
| REA35567.A | 9 |
| REA35567.B | 9 |
| REA35567.C | 9 |
| REA35569.B | 9 |
| REA35570.B | 9 |

| File Name | Disk # |
|---|---|
| REA35572.A | 10 |
| REA35572.D | 10 |
| REA35572.E | 10 |
| REA35932.A | 10 |
| REA35937.A | 10 |
| REA35950.A | 10 |
| REA35555.B | 11 |
| REA35567.D | 11 |
| REA35568.A | 11 |
| REA35568.B | 11 |
| REA35572.C | 11 |
| REA35938.A | 12 |
| REA35938.RA | 12 |
| REA35941.A | 12 |
| REA35943.A | 12 |
| REA35943.RA | 12 |
| REA35946.A | 12 |
| 8703X823.DAT | 13 |
| 8703X847.DAT | 13 |
| 8703X890.DAT | 13 |
| 8703X899.DAT | 13 |
| 8712X011.DAT | 13 |
| 8712X023.DAT | 13 |
| 8712X024.DAT | 13 |
| 8712X036.DAT | 13 |
| 8712X052.DAT | 13 |
| 8712X960.DAT | 13 |
| 8712X961.DAT | 13 |
| 8712X973.DAT | 13 |
| 8712X974.DAT | 13 |
| 8712X990.DAT | 13 |
| 8712X990.DAT | 13 |
| 8803X643.DAT | 13 |
| 8803X655.DAT | 13 |
| 8803X667.DAT | 13 |
| 8803X678.DAT | 13 |
| 8803X698.DAT | 13 |
| 8806X766.DAT | 14 |
| 8806X785.DAT | 14 |
| 8806X802.DAT | 14 |
| 8806X811.DAT | 14 |
| 8806X818.DAT | 14 |
| 8806X840.DAT | 14 |
| 8806X857.DAT | 14 |

Table V.3. Data Format for Data Disks 1 to 12 (Appendix B)

| Name | Format | Source | Example |
|---|---|---|---|
| Facility ID | A5 | Client ID # - See A | MND01 |
| Location ID | A4 | Client ID # - See A | 0108 |
| Log Date | A9 | Chain-of-Custody form | 12-Dec-87 |
| Sample ID | A4 | Client ID # - See A | 0001 |
| Log Time | I4 | Set to '1200' | 1200 |
| Lot Control # | A8 | Prep Batch # | 88I015 |
| Log company | A4 | Valid Code List | RFW/ |
| Beg Depth | A6 | Set to '/' | ////// |
| End Depth | A6 | Set to '/' | ////// |
| Sample Type | A2 | Valid Code List | F/ |
| Sample Method | A3 | Set to '/' | /// |
| Matrix Code | A2 | S/' or 'W/' | S/ |
| Lab ID | A14 | Internal Lab Sample ID | 8712-011-001 |
| Client ID | A20 | Chain-of-Custody form | MND01-0108-1111 |
| Parameter Code | A10 | Valid Code List | 94-75-7/// |
| Parameter Class | A2 | Set to '/' | // |
| Lab Code | A4 | Valid Code List | RFWL |
| Batch # | A14 | Batch # | RFW Batch # |
| Analysis Date | A9 | Lab | 14-Dec-87 |
| Analysis Time | A4 | Set to '1200' | 1200 |
| Analysis Method | A6 | Valid Code List | SW8240 |
| Extraction Date | A9 | Lab | 14-Dec-87 |
| Extraction Time | A4 | Set to '1200' | 1200 |
| Extraction Method | A6 | Valid Code List | UNK/// |
| Solvent Code | A2 | Valid Code List | EE |
| Parameter Qualifier | A2 | Valid Code List | <1 |
| Parameter Value | A14 | Lab | 25.01/////../ |
| Value Precision | I1 | Calculate - See B | 2 |
| Unit of Measure | A10 | Valid Code List | MG/KG///// |
| Value Uncertainty | A12 | Set to '/' | ///.../// |
| Uncertainty Precision | A1 | Set to '/' | / |
| Detection Limit | A9 | Lab | 5.0////// |
| Detection Limit Prec. | A1 | Calculate - See B | 1 |
| Dilution Factor | F9.2 | Lab | .01 |
| Pract. Quantification | A9 | Set to '/' | ///.../// |
| Quantification Prec. | A1 | Set to '/' | / |
| Acceptance Code | A1 | Set to 'N' | |

A) Client ID from Chain-of-Custody report will be in the form of:

AAAAA-BBBB-CCCC

Where AAAAA = Facility Code  Ex. MND01-0108-0001

BBBB = Location ID

CCCC = Sample ID

Note that location ID and sample ID may not be zero filled. For example, Chain-of-Custody form may say: MND01-0108-1 and not MND01-0108-0001

## Table V.4. Data Format for Datadiscs 13 and 14 (Appendix B)

| Field Description | Example Field | Output Format | Column |
|---|---|---|---|
| Record Type 1: | | | |
| * | | A1 | 1:1 |
| Facility identification | MND01 | A5 | 2:6 |
| Facility name | Hydrogeochemical | A30 | 7:36 |
| Record Type 2: | | | |
| * | | A1 | 1:1 |
| DD-MMM-YY to DD-MMM-YY | 27-Feb-87 to 27-Feb-87 | A22 | 2:23 |
| Record Type 3: | | | |
| "LOCATION" | | A9 | 1:9 |
| Location ID | 0063 | A4 | 10:13 |
| North coordinate | fillers used | F11.2 | 14:24 |
| East coordinate | fillers used | F11.2 | 25:35 |
| Location X reference | Bud's #1 | A10 | 36:45 |
| Flow relationship | B, D, etc. | A1 | 46:46 |
| Formation of completion code | AL | A4 | 47:50 |
| Formation of completion | Alluvium | A50 | 51:100 |
| Facility identification | MND01 | A5 | 101:105 |
| Record Type 4-N: | | | |
| Sample date | 27-Feb-87 | DD-MMM-YY | 1:9 |
| Sample identification | 0001 | A4 | 10:13 |
| Parameter identification | plutonium | A10 | 14:23 |
| Parameter value qualifier | U | A2 | 24:25 |
| Parameter value | 0.01 | F14.4 | 26:39 |
| Detection limit | .0001 | F14.4 | 40:53 |
| Dilution factor | .1 | F9.2 | 54:62 |
| Parameter name | plutonium-238 | A35 | 63:97 |
| Units of measure | µg/L | A10 | 98:107 |
| Sample type | F | A2 | 108:109 |
| Parameter value precision | 1 | I1 | 110:110 |
| Detection limit precision | 1 | I1 | 111:111 |
| Acceptance code | A | A1 | 112:112 |

Notes:

Record Type 1 and 2 appear as heading to each file.
Record Type 3 and 4-N are repeated for each sample location.

Table V.4. (continued)

Valid Codes Geologic Formation of Completion

| Code | Geologic Formation of Completion Types |
|---|---|
| AI | Alluvium |
| BA | Basalt |
| BR | Undifferentiated bedrock |
| BT | Bandelier tuff |
| CA | Calcrete |
| CC | Caliche |
| CG | Conglomerate |
| CH | Fat clays |
| CL | Lean clays, sandy clays, or gravelly clays |
| CR | Chert |
| CS | Claystone |
| DI | Diorite |
| DO | Dolomite |
| FL | Fill material |
| GC | Clayey gravel or clayey sandy gravel |
| GM | Silty gravel or silty gravelly sand |
| GN | Gneiss |
| GP | Gravel or sandy gravel, poorly graded |
| GR | Granite |
| GW | Gravel or sandy gravel, well graded |
| GY | Gypsum |
| LG | Lignite |
| LS | Limestone |
| MH | Micaceous clays or diatomaceous soils |
| ML | Silts, sandy or gravelly silts, diatomaceous soils |
| NR | No recovery of data for classifying |
| OH | Fat organic clays |
| OL | Organic silts or lean organic clays |
| OT | Other general materials |
| PL | Pleasanton formation |
| PT | Peat, humus, and other organic swamp soils |
| QT | Quartzite |
| RY | Rhyolite |
| SA | Salt |
| SC | Clayey sand or clayey gravelly sand |
| SH | Shale |
| SI | Silcrete |
| SM | Silty sand or silty gravelly sand |
| SP | Sand or gravelly sand, poorly graded |
| SS | Sandstone |
| ST | Siltstone |
| SW | Sand or gravelly sand, well graded |
| TF | Tuff |
| TL | Till |
| TP | Unknown |
| TS | Topsoil, undifferentiated |
| VO | Volcanics |

## Table V.4. (concluded)

Valid Codes Hydraulic Flow Relationship

| Code | Hydraulic Flow Relationship Types |
|---|---|
| B | Background by positioning in an area unaffected by the contaminant source |
| C | Cross gradient adjacent to flow path passing beneath contaminant source |
| D | Down gradient hydraulically from the contaminant source |
| F | Offsite |
| I | Indeterminate -- insufficient information to determine accurately |
| N | Not known |
| O | Onsite by positioning beneath the contaminant source |
| P | Within the boundaries of the pit |
| Q | Outside the boundaries of the pit |
| U | Up gradient hydraulically from the contaminant source |

Valid Value Parameter Value Qualifier

| PVQ | Parameter Value Qualifier Description |
|---|---|
| % | % Recovery |
| • | Control limits not applicable |
| *E | Outside calibration |
| < | Analyzed for but not detected |
| > | Greater than |
| ? | Questionable data |
| B | Present in blank |
| D | Duplicate analysis of a sample |
| E | Detection beyond calibration range |
| G | High detection/sample interference |
| I | Interference |
| J | Present below detection limit |
| JB | Present below detection limit (J) present in blank |
| N | Present below detection limit (J) not spiked |
| NA | Not applicable |
| NC | Not calculated |
| ND | Analyzed for but not detected |
| NR | Not reported |
| NS | Not spiked |
| P | Present below detection limit (J) present in blank |
| R | Not requested (NR) |
| S | Not spiked (NS) |
| T | Trace |
| U | Analyzed for but not detected |

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# SITE SCOPING REPORT:

## VOLUME 1 - GROUNDWATER DATA

February 1987 - July 1990

## APPENDIX A

Chain-of-Custody, Database Printouts, and Laboratory Reports

(Under Separate Cover)

# SITE SCOPING REPORT:

## VOLUME 1 - GROUNDWATER DATA

**February 1987 - July 1990**

## APPENDIX B

**Datadiscs - ASCII Format**

**(Under Separate Cover)**

ATTACHMENT 1


07/22/91

MOUND DATA

| BATCH NUMBER | LOCATION | SAMPLE DATE | VOA | CAN | ANIT | BNA | EXP | RAD | P/PCB | MET |
|---|---|---|---|---|---|---|---|---|---|---|
| 8703-890 | 0002 | 03/04/87 | | X | | | | X | | X |
| 8703-890 | 0003 | 03/05/87 | X | X | X | | X | X | | X |
| 8703-847 | 0004 | 02/25/87 | | X | | | | | | X |
| 8703-847 | 0004 | 02/25/87 | | X | | | | | | X |
| 8703-890 | 0004 | 02/25/87 | | | | | | X | | |
| 8703-890 | 0004 | 02/25/87 | | | | | | X | | |
| 8703-890 | 0005 | 03/04/87 | | X | X | | | X | | X |
| 8703-890 | 0006 | 03/04/87 | | X | X | | | | | X |
| 8703-847 | 0007 | 03/03/87 | | X | | | | | | X |
| 8703-890 | 0007 | 03/03/87 | | | | | | X | | |
| 8703-847 | 0028 | 03/01/87 | | X | | | | | | X |
| 8703-890 | 0028 | 03/01/87 | | | | | | X | | |
| ITNA46345 | 0028 | 08/03/90 | X | | | | | | | |
| ITNA46345 | 0028 | 08/02/90 | X | | | | | | | |
| REA36183 | 0028 | 08/02/90 | X | | | | | | | |
| REA36183 | 0028 | 08/03/90 | X | | | | | | | |
| 8703-847 | 0033 | 03/03/87 | | | | X | | | | |
| 8703-890 | 0033 | 03/02/87 | | X | X | | | X | | X |
| 8703-890 | 0033 | 03/03/87 | X | | | | | | | |
| 8712-011 | 0034 | 12/08/87 | X | | | X | | | X | |
| REA35532 | 0037 | 07/22/89 | X | | | X | | | X | X |
| REA35532 | 0037 | 07/22/89 | X | | | | | | | |
| REA35532 | 0037 | 07/22/89 | X | | | | | | | |
| REA35550 | 0037 | 08/03/89 | X | | | | | | | |
| REA35554 | 0037 | 08/04/89 | X | | | | | | | |
| REA35558 | 0037 | 08/08/89 | X | | | X | | | X | X |
| REA35558 | 0037 | 08/08/89 | X | | | | | | | |
| REA35558 | 0037 | 08/08/89 | X | | | | | | | |
| REA35558 | 0037 | 08/08/89 | X | | | | | | | |
| REA35559 | 0037 | 08/08/89 | X | | | | | | | |
| REA35570 | 0037 | 08/16/89 | X | | | X | | | X | X |
| REA35574 | 0037 | 08/18/89 | X | | | | | | | |
| 8703-890 | 0046 | 03/05/87 | | X | X | | | | | X |
| 8703-890 | 0046 | 03/05/87 | | | | | | X | | |
| 8803-698 | 0046 | 03/08/88 | X | | | | | | | |
| 8806-802 | 0046 | 06/24/88 | X | | | | | | | |
| 8809-643 | 0046 | 09/13/88 | X | | | | | | | |
| ITNA45026 | 0046 | 01/25/90 | X | | | | | | | |
| ITNA45375 | 0046 | 03/23/90 | X | | | | | | | |
| ITNA46319 | 0046 | 07/31/90 | X | | | | | | | |
| REA36177 | 0046 | 07/31/90 | X | | | | | | | |
| REA35950 | 0046 | 05/02/90 | X | | | | | | | |
| REA35567 | 0047 | 08/16/89 | X | | | | | | | |
| REA35568 | 0047 | 08/16/89 | X | | | | | | | |
| REA35568 | 0047 | 08/16/89 | X | | | | | | | |
| REA35568 | 0047 | 08/16/89 | X | | | | | | | |
| REA35569 | 0047 | 08/16/89 | X | | | X | | | X | X |

MOUND DATA

| BATCH NUMBER | LOCATION | SAMPLE DATE | VOA | CAN | ANIT | BNA | EXP | RAD | P/PCB | MET |
|---|---|---|---|---|---|---|---|---|---|---|
| REA35569 | 0047 | 08/16/89 | X | | | | | | | |
| REA35569 | 0047 | 08/16/89 | X | | | X | | | X | |
| REA35570 | 0047 | 08/16/89 | X | | | | | | | |
| 8703-823 | 0055 | 02/27/87 | X | | | X | | | X | |
| 8703-890 | 0055 | 03/02/87 | | X | X | | | X | | X |
| 8803-698 | 0055 | 03/07/88 | X | | | | | | | |
| 8806-840 | 0055 | 06/28/88 | X | | | | | | | |
| 8809-614 | 0055 | 09/12/88 | X | | | | | | | |
| REA35532 | 0062 | 07/24/89 | X | | | | | | | |
| REA35532 | 0062 | 07/24/89 | X | | | | | | | |
| REA35532 | 0062 | 07/24/89 | X | | | | | | | |
| 8703-823 | 0063 | 02/27/87 | X | | | X | | | X | |
| 8703-823 | 0063 | 02/27/87 | X | | | X | | | X | |
| 8703-847 | 0063 | 02/27/87 | | X | | | | | | X |
| 8806-802 | 0063 | 06/24/88 | X | | | | | | | |
| 8809-643 | 0063 | 09/13/88 | X | | | | | | | |
| ITNA45026 | 0063 | 01/25/90 | X | | | | | X | | |
| ITNA45375 | 0063 | 03/23/90 | X | | | | | | | |
| ITNA46319 | 0063 | 07/31/90 | X | | | | | X | | |
| REA35937 | 0063 | 04/25/90 | X | | | | | X | | |
| REA36177 | 0063 | 07/31/90 | X | | | | | X | | |
| 8703-890 | 0071 | 03/05/87 | | X | X | | | X | | X |
| 8803-698 | 0071 | 03/08/88 | X | | | | | | | |
| 8806-802 | 0071 | 06/24/88 | X | | | | | | | |
| 8809-643 | 0071 | 09/13/88 | X | | | | | | | |
| 8809-643 | 0071 | 09/13/88 | X | | | | | | | |
| ITNA45026 | 0071 | 01/24/90 | X | | | | | | | |
| ITNA45375 | 0071 | 03/23/90 | X | | | | | | | |
| ITNA45963 | 0071 | 06/15/90 | X | | | | | | | |
| ITNA46319 | 0071 | 07/31/90 | X | | | | | | | |
| REA35937 | 0071 | 04/25/90 | X | | | | | | | |
| REA36177 | 0071 | 07/31/90 | X | | | | | | | |
| 8703-890 | 0076 | 03/05/87 | | X | X | | | | | X |
| 8806-802 | 0076 | 06/24/88 | X | | | | | | | |
| 8809-643 | 0076 | 09/13/88 | X | | | | | | | |
| 8809-643 | 0076 | 09/13/88 | X | | | | | | | |
| ITNA45026 | 0076 | 01/24/90 | X | | | | | X | | |
| ITNA45026 | 0076 | 01/24/90 | | | | | | X | | |
| ITNA45375 | 0076 | 03/23/90 | X | | | | | | | |
| ITNS45963 | 0076 | 06/15/90 | X | | | | | | | |
| ITNA46319 | 0076 | 07/31/90 | X | | | | | X | | |
| REA35937 | 0076 | 04/25/90 | X | | | | | X | | |
| REA36177 | 0076 | 07/31/90 | X | | | | | X | | |
| REA35535 | 0089 | 07/25/89 | X | | | | | | | |
| REA35535 | 0089 | 07/25/89 | X | | | | | | | |
| REA35572 | 0089 | 08/17/89 | X | | | | | | | |
| REA35574 | 0089 | 08/18/89 | X | | | | | | | |

MOUND DATA

| BATCH NUMBER | LOCATION | SAMPLE DATE | VOA | CAN | ANIT | BNA | EXP | RAD | P/PCB | MET |
|---|---|---|---|---|---|---|---|---|---|---|
| REA35538 | 0099 | 07/26/89 | X | | | | | | | |
| REA35538 | 0099 | 07/26/89 | X | | | | | | | |
| REA35555 | 0099 | 08/05/89 | X | | | | | | | |
| REA55555 | 0099 | 08/05/89 | X | | | | | | | |
| REA35555 | 0099 | 08/03/89 | X | | | | | | | |
| REA35555 | 0099 | 08/06/89 | X | | | | | | | |
| REA35547 | 0100 | 08/01/89 | X | | | X | | | X | X |
| REA35547 | 0100 | 08/01/89 | X | | | | | | | |
| REA35547 | 0100 | 08/01/89 | X | | | | | | | |
| REA35547 | 0100 | 08/01/89 | X | | | | | | | |
| REA35547 | 0100 | 08/01/89 | X | | | | | | | |
| REA35572 | 0100 | 08/17/89 | X | | | | | | | |
| REA35572 | 0100 | 08/17/89 | X | | | | | | | |
| REA35572 | 0100 | 08/17/89 | X | | | X | | | X | X |
| 8703-899 | 0101 | 03/06/87 | | X | | | | | | X |
| 8703-890 | 0106 | 03/04/87 | | X | X | | | | | X |
| REA35527 | 0106 | 07/21/89 | X | | | | | | | |
| REA35548 | 0106 | 08/02/89 | X | | | | | | | |
| REA35550 | 0106 | 08/02/89 | X | | | X | | | X | X |
| REA35550 | 0106 | 08/02/89 | X | | | | | | | |
| REA35550 | 0106 | 08/02/89 | X | | | | | | | |
| REA35550 | 0106 | 08/02/89 | X | | | | | | | |
| REA35574 | 0106 | 08/18/89 | X | | | | | | | |
| 8703-847 | 0108 | 03/03/87 | | X | | | | | | X |
| REA35532 | 0108 | 07/23/89 | X | | | X | | | X | X |
| REA35532 | 0108 | 07/23/89 | X | | | | | | | |
| REA35532 | 0108 | 07/23/89 | X | | | | | | | |
| REA35532 | 0108 | 07/23/89 | X | | | | | | | |
| REA35532 | 0108 | 07/23/89 | X | | | | | | | |
| 8712-012 | 0111 | 12/11/87 | X | | X | X | X | | X | X |
| 8712-023 | 0111 | 12/13/87 | X | | | | X | | | |
| 8803-643 | 0111 | 03/02/88 | X | X | X | X | | | | |
| 8806-785 | 0111 | 06/23/88 | X | X | X | X | X | | X | |
| 8806-785 | 0111 | 06/23/88 | X | X | X | X | X | | | |
| 8809-596 | 0111 | 09/09/88 | X | X | X | X | X | | X | |
| 8809-596 | 0111 | 09/09/88 | | | | | | | X | |
| ITNA45011 | 0111 | 01/23/90 | X | | | | | X | | |
| ITNA45185 | 0111 | 02/21/90 | X | | | | | | | |
| ITNA45375 | 0111 | 03/23/90 | X | | | | | | | |
| ITNA46319 | 0111 | 07/31/90 | X | | | | | X | | |
| REA35941 | 0111 | 04/27/90 | X | | | | | X | | |
| REA36177 | 0111 | 07/31/90 | X | | | | | X | | |
| 8712-023 | 0112 | 12/13/87 | X | | X | X | X | | X | X |
| 8712-023 | 0112 | 12/13/87 | X | | | | X | | | |
| 8803-643 | 0112 | 03/02/88 | X | X | X | X | | | | |
| 8806-857 | 0112 | 06/29/88 | X | X | X | X | X | | X | |
| 8809-655 | 0112 | 09/14/88 | X | X | X | X | X | | X | |

MOUND DATA

| BATCH NUMBER | LOCATION | SAMPLE DATE | VOA | CAN | ANIT | BNA | EXP | RAD | P/PCB | MET |
|---|---|---|---|---|---|---|---|---|---|---|
| ITNA45011 | 0112 | 01/20/90 | X | | | | | | | |
| ITNA45185 | 0112 | 02/25/90 | X | | | | | | | |
| ITNA45386 | 0112 | 03/25/90 | X | | | | | | | |
| ITNA46319 | 0112 | 07/30/90 | X | | | | | | | |
| REA35941 | 0112 | 04/27/90 | X | | | | | | | |
| 8712-036 | 0115 | 12/15/87 | X | | | | | | | |
| 8806-811 | 0115 | 06/25/88 | | X | X | X | | | | |
| 8809-606 | 0115 | 09/10/88 | X | X | X | X | | | | |
| ITNA46302 | 0115 | 07/28/90 | X | | | | | | | |
| REA35941 | 0115 | 04/28/90 | X | | | | | X | | |
| REA36167 | 0115 | 07/29/90 | X | | | | | | | |
| ITNA46302 | 0116 | 07/28/90 | X | | | | | | | |
| ITNA46302 | 0116 | 07/28/90 | X | | | | | | | |
| REA35941 | 0116 | 04/29/90 | X | | | | | | | |
| REA36167 | 0116 | 07/28/90 | X | | | | | | | |
| REA36167 | 0116 | 07/28/90 | X | | | | | | | |
| 8712-961 | 0117 | 12/02/87 | | | | | | | | X |
| 8712-961 | 0117 | 12/02/87 | | | | | | | | X |
| 8803-643 | 0117 | 03/01/88 | X | X | X | X | | | | |
| 8806-802 | 0117 | 06/24/88 | X | X | X | X | X | | | |
| 8809-606 | 0117 | 09/10/88 | X | X | X | X | X | | | |
| ITNA45026 | 0117 | 01/25/90 | | | | | | X | | |
| ITNA45185 | 0117 | 02/24/90 | | | | | | X | | |
| ITNA45386 | 0117 | 03/25/90 | | | | | | X | | |
| ITNA46302 | 0117 | 07/29/90 | X | | | | | X | | |
| REA36167 | 0117 | 07/29/90 | X | | | | | X | | |
| REA35941 | 0117 | 04/28/90 | X | | | | | X | | |
| 8712-023 | 0118 | 12/13/87 | X | | | | | | | |
| 8712-973 | 0118 | 12/09/87 | X | | X | X | X | | | X |
| 8803-678 | 0118 | 03/06/88 | X | X | X | X | | | | |
| 8806-802 | 0118 | 06/24/88 | | X | X | X | | | | |
| 8809-606 | 0118 | 09/10/88 | X | X | X | X | | | | |
| 8809-606 | 0118 | 09/10/88 | X | X | X | X | | | | |
| ITNA45627 | 0118 | 05/01/90 | X | | | | | | | |
| ITNA46345 | 0118 | 08/03/90 | X | | | | | | | |
| REA36183 | 0118 | 08/03/90 | X | | | | | | | |
| REA35946 | 0118 | 05/01/90 | X | | | | | | | |
| 8712-012 | 0119 | 12/11/87 | X | | X | X | X | | | X |
| 8712-012 | 0119 | 12/11/87 | X | | X | X | X | | | X |
| 8803-643 | 0119 | 03/02/88 | X | X | X | X | | | | |
| 8803-678 | 0119 | 03/02/88 | X | | | | | | | |
| 8806-818 | 0119 | 06/26/88 | X | X | X | X | X | X | | |
| 8806-818 | 0119 | 06/26/88 | X | X | X | X | X | | | |
| 8809-596 | 0119 | 09/09/88 | X | | X | X | X | X | | |
| ITNA46319 | 0119 | 07/30/90 | X | | | | | | | |
| REA35943 | 0119 | 04/30/90 | X | | | | | | | |
| 8712-961 | 0120 | 12/02/87 | | | | | | | | X |

MOUND DATA

| BATCH NUMBER | LOCATION | SAMPLE DATE | VOA | CAN | ANIT | BNA | EXP | RAD | P/PCB | MET |
|---|---|---|---|---|---|---|---|---|---|---|
| 8712-961 | 0120 | 12/03/87 | | | | | | | | X |
| 8712-961 | 0120 | 12/03/87 | | | | | | | | X |
| 8803-643 | 0120 | 03/02/88 | X | X | X | X | | | | |
| 8806-818 | 0120 | 06/26/88 | X | X | X | X | X | | X | |
| 8809-614 | 0120 | 09/11/88 | X | X | X | X | X | | X | |
| ITNA45026 | 0120 | 01/25/90 | | | | | | X | | |
| ITNA45386 | 0120 | 03/25/90 | | | | | | X | | |
| ITNA46302 | 0120 | 07/29/90 | X | | | | | X | | |
| REA35941 | 0120 | 04/28/90 | X | | | | | X | | |
| REA36167 | 0120 | 07/29/90 | X | | | | | X | | |
| 8712-023 | 0122 | 12/13/87 | X | | X | X | X | X | | X |
| 8712-036 | 0122 | 12/15/87 | X | | | | | | | |
| 8803-678 | 0122 | 03/07/88 | X | X | X | | | | | |
| 8803-678 | 0122 | 03/07/88 | X | X | X | | | | | |
| 8806-840 | 0122 | 06/28/88 | X | X | X | X | X | X | | |
| 8809-655 | 0122 | 09/14/88 | X | X | X | X | X | X | | |
| ITNA45011 | 0122 | 01/23/90 | | | | | | X | | |
| ITNA45386 | 0122 | 03/25/90 | | | | | | X | | |
| ITNA46319 | 0122 | 07/29/90 | X | | | | | | | |
| ITNA46319 | 0122 | 07/30/90 | X | | | | | X | | |
| REA35938 | 0122 | 04/26/90 | X | | | | | X | | |
| REA35938 | 0122 | 04/26/90 | X | | | | | | | |
| 8712-973 | 0123 | 12/09/87 | X | | X | X | X | | | X |
| 8803-678 | 0123 | 03/06/88 | X | X | X | X | | | | |
| 8803-678 | 0123 | 03/06/88 | X | X | X | | | | | |
| 8806-818 | 0123 | 06/27/88 | X | X | X | X | | | | |
| 8806-818 | 0123 | 06/27/88 | X | X | X | X | | | | |
| 8809-576 | 0123 | 09/08/88 | | X | X | X | X | | | |
| ITNA45026 | 0123 | 01/24/90 | | | | | | X | | |
| ITNA45366 | 0123 | 03/22/90 | | | | | | X | | |
| ITNA46302 | 0123 | 07/28/90 | X | | | | | X | | |
| REA35941 | 0123 | 04/28/90 | X | | | | | X | | |
| REA36167 | 0123 | 07/28/90 | X | | | | | X | | |
| 8712-990 | 0124 | 12/10/87 | X | | X | X | | | | X |
| 8803-678 | 0124 | 03/06/88 | X | X | X | X | | | | |
| 8806-818 | 0124 | 06/27/88 | X | X | X | X | | | | |
| 8809-576 | 0124 | 09/08/88 | X | X | X | X | | | | |
| ITNA45026 | 0124 | 01/24/90 | X | | | | | X | | |
| ITNA45366 | 0124 | 03/22/90 | X | | | | | X | | |
| ITNA46302 | 0124 | 07/28/90 | X | | | | | X | | |
| REA35941 | 0124 | 04/28/90 | X | | | | | X | | |
| REA36167 | 0124 | 07/28/90 | X | | | | | X | | |
| 8803-698 | 0125 | 03/08/88 | X | X | X | X | | | | |
| 8806-840 | 0125 | 06/28/88 | X | X | X | X | X | X | X | X |
| 8809-655 | 0125 | 09/14/88 | X | | X | X | | X | | X |
| ITNA46319 | 0125 | 07/29/90 | X | | | | | | | |
| ITNA46319 | 0125 | 07/30/90 | X | | | | | | | |

MOUND DATA

| BATCH NUMBER | LOCATION | SAMPLE DATE | VOA | CAN | ANIT | BNA | EXP | RAD | P/PCB | MET |
|---|---|---|---|---|---|---|---|---|---|---|
| REA35941 | 0125 | 04/28/90 | X | | | | | | | |
| 8712-974 | 0126 | 12/09/87 | X | | X | X | X | X | | X |
| 8803-678 | 0126 | 03/07/88 | X | X | X | X | | | | |
| 8806-818 | 0126 | 06/27/88 | X | X | X | X | X | X | | |
| 8809-614 | 0126 | 09/12/88 | | X | X | X | X | X | | |
| 8809-614 | 0126 | 09/12/88 | X | | | | | | | |
| 8809-614 | 0126 | 09/12/88 | X | | | | | | | |
| 8809-614 | 0126 | 09/12/88 | X | | | | | | | |
| 8809-614 | 0126 | 09/12/88 | X | | | | | | | |
| ITNA45026 | 0126 | 01/24/90 | X | | | | | X | | |
| ITNA45185 | 0126 | 02/25/90 | X | | | | | X | | |
| ITNA45386 | 0126 | 03/25/90 | X | | | | | X | | |
| ITNA45627 | 0126 | 05/01/90 | X | | | | | X | | |
| ITNA46345 | 0126 | 08/02/90 | X | | | | | X | | |
| REA36183 | 0126 | 08/02/90 | X | | | | | X | | |
| REA35946 | 0126 | 05/01/90 | X | | | | | X | | |
| 8712-990 | 0127 | 12/10/87 | X | | X | X | X | | | X |
| 8803-655 | 0127 | 03/03/88 | X | X | X | X | | | | |
| 8806-811 | 0127 | 06/25/88 | X | X | X | X | X | | | |
| 8809-576 | 0127 | 09/08/88 | X | X | X | X | X | X | | |
| 8809-576 | 0127 | 09/08/88 | X | X | X | X | X | X | | |
| ITNA46319 | 0127 | 07/31/90 | X | | | | | | | |
| REA35941 | 0127 | 04/27/90 | X | | | | | | | |
| REA36177 | 0127 | 07/31/90 | X | | | | | | | |
| 8712-012 | 0128 | 12/11/87 | X | | X | X | | | | X |
| 8803-655 | 0128 | 03/03/88 | X | X | X | X | | | | |
| 8806-802 | 0128 | 06/24/88 | X | X | X | X | X | | | |
| 8809-576 | 0128 | 09/08/88 | X | X | X | X | | | | |
| ITNA46302 | 0128 | 07/29/90 | X | | | | | | | |
| ITNA46319 | 0128 | 08/01/90 | X | | | | | | | |
| REA35941 | 0128 | 04/28/90 | X | | | | | | | |
| REA36167 | 0128 | 07/29/90 | X | | | | | | | |
| REA36179 | 0128 | 08/01/90 | X | | | | | | | |
| 8712-974 | 0129 | 12/09/87 | X | | X | X | X | | X | X |
| 8803-678 | 0129 | 03/06/88 | X | X | X | | | | | |
| 8806-818 | 0129 | 06/27/88 | X | X | X | X | X | | | |
| 8809-614 | 0129 | 09/12/88 | X | X | X | X | X | | | |
| 8809-614 | 0129 | 09/12/88 | X | | | | | | | |
| ITNA45011 | 0129 | 01/23/90 | X | | | | | X | | |
| ITNA45160 | 0129 | 02/20/90 | X | | | | | | | |
| ITNA45185 | 0129 | 02/25/90 | X | | | | | | | |
| ITNA45366 | 0129 | 03/21/90 | X | | | | | X | | |
| ITNA45627 | 0129 | 05/01/90 | X | | | | | X | | |
| ITNA46345 | 0129 | 08/02/90 | X | | | | | X | | |
| REA36183 | 0129 | 08/02/90 | X | | | | | X | | |
| REA35946 | 0129 | 05/01/90 | X | | | | | X | | |
| 8712-990 | 0130 | 12/10/87 | | | X | | | | X | X |

MOUND DATA

| BATCH NUMBER | LOCATION | SAMPLE DATE | VOA | CAN | ANIT | BNA | EXP | RAD | P/PCB | MET |
|---|---|---|---|---|---|---|---|---|---|---|
| 8803-678 | 0130 | 03/06/88 | X | X | X | | | | | |
| 8806-818 | 0130 | 06/27/88 | X | X | X | X | | | | |
| 8809-576 | 0130 | 09/08/88 | X | X | X | X | | | | |
| ITNA46319 | 0130 | 08/01/90 | X | | | | | | | |
| REA35943 | 0130 | 04/30/90 | X | | | | | | | |
| REA36179 | 0130 | 08/01/90 | X | | | | | | | |
| 8712-023 | 0135 | 12/13/87 | X | | | | X | | | |
| ITNA46302 | 0136 | 07/29/90 | | | | | | X | | |
| 8703-847 | 0137 | 03/02/87 | X | X | | X | | X | X | X |
| 8803-698 | 0137 | 03/07/88 | X | | X | | | | | |
| 8806-802 | 0137 | 06/24/88 | X | | | | | | | |
| 8809-655 | 0137 | 09/14/88 | X | | | | | | | |
| ITNA45185 | 0137 | 02/25/90 | X | | | | | | | |
| ITNA45185 | 0137 | 02/24/90 | | | | | | X | | |
| ITNA45386 | 0137 | 03/26/90 | X | | | | | | | |
| ITNA45386 | 0137 | 03/26/90 | X | | | | | X | | |
| ITNA46319 | 0137 | 07/30/90 | X | | | | | | | |
| ITNA46319 | 0137 | 07/31/90 | X | | | | | X | | |
| REA36177 | 0137 | 07/30/90 | X | | | | | | | |
| REA36177 | 0137 | 07/31/90 | X | | | | | X | | |
| REA35950 | 0137 | 05/01/90 | X | | | | | | | |
| REA35950 | 0137 | 05/02/90 | X | | | | | X | | |
| 8712-973 | 0138 | 12/09/87 | X | | X | X | X | | | X |
| 8712-973 | 0138 | 12/09/87 | X | | X | X | X | | | X |
| 8803-678 | 0138 | 03/06/88 | X | X | X | X | | | | |
| 8806-802 | 0138 | 06/24/88 | | X | X | X | | | | |
| 8809-606 | 0138 | 09/10/88 | X | X | X | X | | | | |
| 8809-606 | 0138 | 09/10/88 | X | X | X | X | | | | |
| ITNA45011 | 0138 | 01/23/90 | | | | | | X | | |
| ITNA45366 | 0138 | 03/22/90 | | | | | | X | | |
| ITNA45627 | 0138 | 05/01/90 | | | | | | X | | |
| REA36167 | 0138 | 07/28/90 | | | | | | X | | |
| REA35946 | 0138 | 05/01/90 | | | | | | X | | |
| 8712-024 | 0151 | 12/14/87 | X | | X | X | X | | X | X |
| 8803-643 | 0151 | 03/02/88 | X | X | X | X | | X | | |
| 8806-785 | 0151 | 06/23/88 | X | X | X | X | X | X | X | X |
| 8809-596 | 0151 | 09/09/88 | X | | X | X | X | X | X | X |
| ITNA45011 | 0151 | 01/22/90 | X | | | | | | | |
| ITNA45160 | 0151 | 02/21/90 | X | | | | | | | |
| ITNS45386 | 0151 | 03/27/90 | X | | | | | | | |
| ITNS45386 | 0151 | 03/27/90 | X | | | | | | | |
| ITNA46319 | 0151 | 07/30/90 | X | | | | | | | |
| REA35937 | 0151 | 04/25/90 | X | | | | | | | |
| 8712-024 | 0152 | 12/14/87 | X | | X | X | X | X | X | X |
| 8712-024 | 0152 | 12/14/87 | X | | X | X | X | | X | X |
| 8803-678 | 0152 | 03/07/88 | X | X | X | | | | | |
| 8806-785 | 0152 | 06/23/88 | X | X | X | X | X | X | X | X |

MOUND DATA

| BATCH NUMBER | LOCATION | SAMPLE DATE | VOA | CAN | ANIT | BNA | EXP | RAD | P/PCB | MET |
|---|---|---|---|---|---|---|---|---|---|---|
| 8806-811 | 0152 | 06/25/88 | | | X | | | | | |
| 8809-614 | 0152 | 09/12/88 | X | X X | X | X | X | | X | |
| ITNA45011 | 0152 | 01/21/90 | X | | | | | | | |
| ITNA45185 | 0152 | 02/25/90 | X | | | | | | | |
| ITNS45386 | 0152 | 03/25/90 | X | | | | | | | |
| ITNA46319 | 0152 | 07/30/90 | X | | | | | | | |
| REA35941 | 0152 | 04/27/90 | X | | | | | | | |
| 8712-024 | 0153 | 12/14/87 | X | X | X | X | X | | X | |
| 8803-667 | 0153 | 03/04/88 | X | X X | X | | | | | |
| 8806-785 | 0153 | 06/23/88 | X | X X | X | X | X | | X | X |
| 8809-643 | 0153 | 09/13/88 | X | X | X | X | X | | X | X |
| 8809-643 | 0153 | 09/13/88 | X | | | | | | | |
| ITNA45011 | 0153 | 01/21/90 | X | | | | | | | |
| ITNA45185 | 0153 | 02/25/90 | X | | | | | | | |
| ITNA45386 | 0153 | 03/26/90 | X | | | | | | | |
| REA35941 | 0153 | 04/27/90 | X | | | | | | | |
| REA36157 | 0153 | 07/24/90 | X | | | | | | | |
| 8712-036 | 0154 | 12/15/87 | X | | | | | | | |
| 8712-990 | 0154 | 12/10/87 | X | X | X | | X | | | X |
| 8803-667 | 0154 | 03/04/88 | X | X X | X | | | | | |
| 8806-818 | 0154 | 06/26/88 | X | X X | X | | X | | | X |
| 8809-643 | 0154 | 09/13/88 | X | X | X | | X | | | X |
| 8809-643 | 0154 | 09/13/88 | X | | | | | | | |
| ITNA45011 | 0154 | 01/21/90 | X | | | | | | | |
| ITNA45185 | 0154 | 02/25/90 | X | | | | | | | |
| ITNA45375 | 0154 | 03/23/90 | X | | | | | | | |
| ITNA46345 | 0154 | 08/02/90 | X | | | | | | | |
| REA35932 | 0154 | 04/24/90 | X | | | | | | | |
| REA36183 | 0154 | 08/02/90 | X | | | | | | | |
| REA36166 | 0154 | 07/26/90 | X | | | | | | | |
| 8803-667 | 0155 | 03/04/88 | X | X X | X | | | | | |
| 8806-818 | 0155 | 06/26/88 | X | X X | X | | X | | | |
| 8809-643 | 0155 | 09/13/88 | X | X X | X | | X | | | |
| 8809-643 | 0155 | 09/13/88 | X | | | | | | | |
| ITNA45011 | 0155 | 01/20/90 | X | | | | | | | |
| ITNA45185 | 0155 | 02/25/90 | X | | | | | X | | |
| ITNA45375 | 0155 | 03/23/90 | X | | | | | | | |
| ITNA46302 | 0155 | 07/26/90 | X | | | | | | | |
| REA35932 | 0155 | 04/24/90 | X | | | | | | | |
| REA36166 | 0155 | 07/26/90 | X | | | | | | | |
| 8712-960 | 0156 | 12/08/87 | X | X | | | | | | X |
| 8803-655 | 0156 | 03/03/88 | X | X X | X | | | | | |
| 8806-766 | 0156 | 06/22/88 | X | X X | X | | | | | |
| 8809-614 | 0156 | 09/12/88 | X | X X | X | | | | | |
| 8809-614 | 0156 | 09/12/88 | X | | | | | | | |
| ITNA45011 | 0156 | 01/23/90 | | | | | | X | | |
| ITNA45011 | 0156 | 01/23/90 | | | | | | X | | |

MOUND DATA

| BATCH NUMBER | LOCATION | SAMPLE DATE | VOA | CAN | ANIT | BNA | EXP | RAD | P/PCB | MET |
|---|---|---|---|---|---|---|---|---|---|---|
| ITNA45366 | 0156 | 03/21/90 | | | | | | X | | |
| ITNA46302 | 0156 | 07/28/90 | X | | | | | X | | |
| REA35941 | 0156 | 04/28/90 | X | | | | | X | | |
| REA36167 | 0156 | 07/28/90 | X | | | | | X | | |
| 8712-960 | 0157 | 12/08/87 | X | | X | | | | | X |
| 8803-655 | 0157 | 03/03/88 | X | X | X | X | | | | |
| 8806-802 | 0157 | 06/24/88 | X | X | X | X | X | | | |
| 8809-606 | 0157 | 09/10/88 | X | X | X | X | | | | |
| 8809-606 | 0157 | 09/10/88 | X | X | X | X | | | | |
| ITNA46302 | 0157 | 07/28/90 | X | | | | | | | |
| REA35941 | 0157 | 04/28/90 | X | | | | | | | |
| REA36167 | 0157 | 07/28/90 | X | | | | | | | |
| 8712-012 | 0158 | 12/11/87 | X | | X | X | | | | X |
| 8712-036 | 0158 | 12/15/87 | X | | | | | | | |
| 8712-990 | 0158 | 12/10/87 | X | | X | X | | X | | X |
| 8803-678 | 0158 | 03/07/88 | X | X | X | X | | | | |
| 8803-678 | 0158 | 03/07/88 | X | | | | | | | |
| 8806-840 | 0158 | 06/28/88 | X | X | X | X | | | | |
| 8809-614 | 0158 | 09/11/88 | X | X | X | X | | | | |
| 8809-614 | 0158 | 09/11/88 | X | | | | | | | |
| ITNA46319 | 0158 | 08/01/90 | X | | | | | | | |
| REA36179 | 0158 | 08/01/90 | X | | | | | | | |
| REA35950 | 0158 | 05/02/90 | X | | | | | | | |
| 8712-960 | 0159 | 12/07/87 | X | | X | | | | | X |
| 8803-678 | 0159 | 03/06/88 | X | X | X | X | | | | |
| 8806-766 | 0159 | 06/22/88 | X | X | X | X | | | | |
| 8809-555 | 0159 | 09/07/88 | X | X | X | X | | | | |
| ITNA46319 | 0159 | 07/31/90 | X | | | | | | | |
| REA35932 | 0159 | 04/24/90 | X | | | | | | | |
| REA36177 | 0159 | 07/31/90 | X | | | | | | | |
| 8712-960 | 0160 | 12/08/87 | X | | X | | | | | X |
| 8803-678 | 0160 | 03/06/88 | X | X | X | X | | | | |
| 8806-766 | 0160 | 06/22/88 | X | X | X | X | | | | |
| 8809-555 | 0160 | 09/07/88 | X | X | X | X | | | | |
| ITNS46319 | 0160 | 07/31/90 | X | | | | | | | |
| REA35941 | 0160 | 04/27/90 | X | | | | | | | |
| REA36177 | 0160 | 07/31/90 | X | | | | | | | |
| 8803-698 | 0163 | 03/08/88 | X | | | | | | | |
| 8803-678 | 0227 | 03/07/88 | X | X | X | X | | | | |
| 8806-840 | 0227 | 06/28/88 | X | | | | | | | |
| 8809-655 | 0227 | 09/14/88 | X | | | | | | | |
| 8703-890 | 0271 | 03/05/87 | | X | X | | | | | X |
| 8803-698 | 0271 | 03/08/88 | X | | | | | | | |
| 8806-802 | 0271 | 06/24/88 | X | | | | | | | |
| 8809-643 | 0271 | 09/13/88 | X | | | | | | | |
| 8809-643 | 0271 | 09/13/88 | X | | | | | | | |
| ITNA45026 | 0271 | 01/24/90 | X | | | | | | | |

MOUND DATA

| BATCH NUMBER | LOCATION | SAMPLE DATE | VOA | CAN | ANIT | BNA | EXP | RAD | P/PCB | MET |
|---|---|---|---|---|---|---|---|---|---|---|
| ITNA45375 | 0271 | 03/23/90 | X | | | | | | | |
| ITNA45963 | 0271 | 06/15/90 | X | | | | | | | |
| ITNA46319 | 0271 | 07/31/90 | X | | | | | | | |
| REA35937 | 0271 | 04/25/90 | X | | | | | | | |
| REA36177 | 0271 | 07/31/90 | X | | | | | | | |
| 8712-023 | 0272 | 12/13/87 | X | | X | X | | | | X |
| 8712-023 | 0272 | 12/13/87 | X | | | | | | | |
| 8703-847 | 0276 | 03/01/87 | | X | | | | X | | X |
| ITNA45026 | 0301 | 01/26/90 | X | | | | | | | |
| ITNA45185 | 0301 | 02/22/90 | X | | | | | | | |
| ITNA45375 | 0301 | 03/24/90 | X | | | | | | | |
| INTA46345 | 0301 | 08/02/90 | X | | | X | | | X | |
| REA35941 | 0301 | 04/29/90 | X | | | X | | | X | |
| REA36166 | 0301 | 07/25/90 | X | | | X | | | X | |
| REA36183 | 0301 | 08/02/90 | X | | | X | | | X | |
| ITNA45026 | 0302 | 01/26/90 | X | | | | | | | |
| ITNA45185 | 0302 | 02/22/90 | X | | | | | | | |
| ITNA45386 | 0302 | 03/26/90 | X | | | | | | | |
| ITNA46345 | 0302 | 08/02/90 | X | | | X | | | X | |
| REA35943 | 0302 | 04/30/90 | X | | | X | | | X | |
| REA36166 | 0302 | 07/25/90 | X | | | X | | | X | |
| REA36183 | 0302 | 08/02/90 | X | | | X | | | X | |
| ITNA45026 | 0303 | 01/25/90 | X | | | | | X | | |
| ITNA45185 | 0303 | 02/26/90 | X | | | | | | | |
| ITNA45366 | 0303 | 03/21/90 | X | | | | | X | | |
| ITNA46345 | 0303 | 08/02/90 | X | | | X | | X | X | |
| REA35943 | 0303 | 04/30/90 | X | | | X | | X | X | |
| REA36183 | 0303 | 08/02/90 | X | | | X | | X | X | |
| REA36166 | 0303 | 07/26/90 | X | | | X | | X | X | |
| ITNA45026 | 0304 | 01/24/90 | X | | | | | X | | |
| ITNA45160 | 0304 | 02/20/90 | X | | | | | | | |
| ITNA45366 | 0304 | 03/21/90 | X | | | | | X | | |
| ITNA45627 | 0304 | 05/01/90 | X | | | X | | X | X | |
| ITNA46345 | 0304 | 08/02/90 | X | | | X | | X | X | |
| REA36183 | 0304 | 08/02/90 | X | | | X | | X | X | |
| REA35946 | 0304 | 05/01/90 | X | | | X | | X | X | |
| REA36166 | 0304 | 07/26/90 | X | | | X | | X | X | |
| ITNA45011 | 0305 | 01/20/90 | X | | | | | | | |
| ITNA45185 | 0305 | 02/23/90 | X | | | | | X | | |
| ITNA45375 | 0305 | 03/24/90 | X | | | | | | | |
| REA35937 | 0305 | 04/25/90 | X | | | X | | | X | |
| REA35941 | 0305 | 04/29/90 | | | | X | | | X | |
| REA36157 | 0305 | 07/24/90 | X | | | X | | | X | |
| ITNA45011 | 0306 | 01/20/90 | X | | | | | | | |
| ITNA45011 | 0306 | 01/19/90 | | | | | | X | | |
| ITNA45185 | 0306 | 02/24/90 | X | | | | | | | |
| ITNA45375 | 0306 | 03/24/90 | X | | | | | | | |

MOUND DATA

| BATCH NUMBER | LOCATION | SAMPLE DATE | VOA | CAN | ANIT | BNA | EXP | RAD | P/PCB | MET |
|---|---|---|---|---|---|---|---|---|---|---|
| REA35941 | 0306 | 04/29/90 | X | | | X | | X | X | |
| REA36157 | 0306 | 07/24/90 | X | | | X | | X | X | |
| ITNA45011 | 0307 | 01/20/90 | X | | | | | | | |
| ITNA45185 | 0307 | 02/24/90 | X | | | | | | | |
| ITNA45386 | 0307 | 03/26/90 | X | | | | | | | |
| ITNA46319 | 0307 | 07/31/90 | X | | | X | | | X | |
| REA35938 | 0307 | 04/26/90 | X | | | X | | | X | |
| REA36177 | 0307 | 07/31/90 | X | | | X | | | X | |
| ITNA45011 | 0309 | 01/20/90 | X | | | | | | | |
| ITNA45185 | 0309 | 02/26/90 | X | | | | | | | |
| ITNA45375 | 0309 | 03/24/90 | X | | | | | | | |
| ITNA46302 | 0309 | 07/26/90 | X | | | X | | | X | |
| ITNA46302 | 0309 | 07/25/90 | X | | | | | | | |
| REA35937 | 0309 | 04/25/90 | X | | | X | | | X | |
| REA35941 | 0309 | 04/29/90 | | | | X | | | X | |
| REA36166 | 0309 | 07/26/90 | X | | | X | | | X | |
| REA36166 | 0309 | 07/25/90 | X | | | | | | | |
| ITNA45011 | 0310 | 01/20/90 | X | | | | | | | |
| ITNA45011 | 0310 | 01/20/90 | X | | | | | | | |
| ITNA45011 | 0310 | 01/19/90 | | | | | | X | | |
| ITNA45185 | 0310 | 02/24/90 | X | | | | | | | |
| ITNA45375 | 0310 | 03/24/90 | X | | | | | | | |
| ITNA46319 | 0310 | 08/01/90 | X | | | X | | X | X | |
| REA35938 | 0310 | 04/26/90 | X | | | X | | X | X | |
| REA36179 | 0310 | 08/01/90 | X | | | X | | X | X | |
| REA36157 | 0310 | 07/24/90 | X | | | X | | X | X | |
| ITNA45011 | 0311 | 01/23/90 | X | | | | | X | | |
| ITNA45160 | 0311 | 02/20/90 | X | | | | | | | |
| ITNA45375 | 0311 | 03/24/90 | X | | | | | | | |
| ITNA46302 | 0311 | 07/26/90 | X | | | X | | | X | |
| REA35941 | 0311 | 04/29/90 | X | | | X | | | X | |
| REA36166 | 0311 | 07/26/90 | X | | | X | | | X | |
| ITNA45627 | 0312 | 05/01/90 | X | | | | | | | |
| ITNA45627 | 0312 | 05/01/90 | X | | | | | | | |
| ITNA46319 | 0312 | 07/30/90 | | | | X | | | X | |
| ITNA46319 | 0312 | 07/30/90 | X | | | | | | | |
| ITNA46319 | 0312 | 07/31/90 | X | | | | | | | |
| REA36177 | 0312 | 07/30/90 | | | | X | | | X | |
| REA35946 | 0312 | 05/01/90 | X | | | | | | | |
| REA35946 | 0312 | 05/01/90 | X | | | | | | | |
| REA35950 | 0312 | 05/03/90 | | | | | | X | | |
| ITNA54011 | 0313 | 01/21/90 | X | | | | | | | |
| ITNA45185 | 0313 | 02/24/90 | X | | | | | | | |
| ITNS45386 | 0313 | 03/26/90 | X | | | | | | | |
| ITNA46319 | 0313 | 07/31/90 | X | | | X | | | X | |
| REA35938 | 0313 | 04/26/90 | X | | | X | | | X | |
| REA36177 | 0313 | 07/31/90 | X | | | X | | | X | |

MOUND DATA

| BATCH NUMBER | LOCATION | SAMPLE DATE | VOA | CAN | ANIT | BNA | EXP | RAD | P/PCB | MET |
|---|---|---|---|---|---|---|---|---|---|---|
| ITNA45011 | 0314 | 01/21/90 | X | | | | | | | |
| ITNA45185 | 0314 | 02/21/90 | X | | | | | | | |
| ITNA45386 | 0314 | 03/26/90 | X | | | | | | | |
| ITNA36302 | 0314 | 07/25/90 | X | | | X | | | X | |
| REA35938 | 0314 | 04/26/90 | X | | | X | | | X | |
| REA36166 | 0314 | 07/25/90 | X | | | X | | | X | |
| ITNA45011 | 0315 | 01/20/90 | X | | | | | | | |
| ITNA45184 | 0315 | 02/23/90 | X | | | | | | | |
| ITNA45386 | 0315 | 03/26/90 | X | | | | | | | |
| ITNA46302 | 0315 | 07/25/90 | X | | | X | | | X | |
| REA35938 | 0315 | 04/26/90 | X | | | X | | | X | |
| REA36166 | 0315 | 07/25/90 | X | | | X | | | X | |
| ITNA45011 | 0317 | 01/21/90 | X | | | | | | | |
| ITNA45185 | 0317 | 02/25/90 | X | | | | | | | |
| ITNA45386 | 0317 | 03/25/90 | X | | | | | | | |
| ITNA45627 | 0317 | 05/01/90 | X | | | X | | | X | |
| ITNA46345 | 0317 | 08/03/90 | X | | | X | | | X | |
| REA36166 | 0317 | 07/25/90 | X | | | X | | | X | |
| REA36183 | 0317 | 08/03/90 | X | | | X | | | X | |
| REA35946 | 0317 | 05/01/90 | X | | | X | | | X | |
| ITNA45011 | 0318 | 01/21/90 | X | | | | | | | |
| ITNA45185 | 0318 | 02/25/90 | X | | | | | | | |
| ITNA45386 | 0318 | 03/25/90 | X | | | | | | | |
| REA35941 | 0318 | 04/29/90 | X | | | X | | | X | |
| REA36157 | 0318 | 07/24/90 | X | | | X | | | X | |
| ITNA45026 | 0319 | 01/25/90 | X | | | | | | | |
| ITNA45160 | 0319 | 02/21/90 | X | | | | | | | |
| ITNS45375 | 0319 | 03/23/90 | X | | | | | | | |
| ITNA46302 | 0319 | 07/29/90 | X | | | X | | | X | |
| REA36167 | 0319 | 07/29/90 | X | | | X | | | X | |
| REA35950 | 0319 | 05/02/90 | X | | | X | | | X | |
| ITNA45011 | 0320 | 01/23/90 | X | | | | | | | |
| ITNA45160 | 0320 | 02/21/90 | X | | | | | | | |
| ITNA45375 | 0320 | 03/23/90 | X | | | | | | | |
| ITNA46319 | 0320 | 08/01/90 | X | | | X | | | X | |
| REA36179 | 0320 | 08/01/90 | X | | | X | | | X | |
| REA35950 | 0320 | 05/02/90 | X | | | X | | | X | |
| ITNA45011 | 0401 | 01/23/90 | X | | | | | | | |
| ITNA45011 | 0401 | 01/23/90 | X | | | | | X | | |
| ITNA45011 | 0401 | 01/23/90 | | | | | | X | | |
| ITNA45011 | 0401 | 01/20/90 | X | | | | | | | |
| ITNA45011 | 0401 | 01/20/90 | X | | | | | | | |
| ITNA45011 | 0401 | 01/21/90 | X | | | | | | | |
| ITNA45026 | 0401 | 01/24/90 | X | | | | | | | |
| ITNA45026 | 0401 | 01/24/90 | X | | | | | | | |
| ITNA45026 | 0401 | 01/25/90 | | | | | | X | | |
| ITNA45026 | 0401 | 01/25/90 | X | | | | | | | |

MOUND DATA

| BATCH NUMBER | LOCATION | SAMPLE DATE | VOA | CAN | ANIT | BNA | EXP | RAD | P/PCB | MET |
|---|---|---|---|---|---|---|---|---|---|---|
| ITNA45026 | 0401 | 01/26/90 | | | | | | X | | |
| ITNA45160 | 0401 | 02/20/90 | X | | | | | | | |
| ITNA45366 | 0401 | 03/23/90 | X | | | | | X | | |
| ITNA45011 | 0402 | 01/23/90 | X | | | | | | | |
| ITNA45011 | 0402 | 01/23/90 | | | | | | X | | |
| ITNA45011 | 0402 | 01/21/90 | X | | | | | | | |
| ITNA45011 | 0402 | 01/20/90 | X | | | | | | | |
| ITNA45011 | 0402 | 01/21/90 | X | | | | | | | |
| ITNA45026 | 0402 | 01/24/90 | | | | | | X | | |
| ITNA45026 | 0402 | 01/24/90 | X | | | | | | | |
| ITNA45375 | 0402 | 03/26/90 | X | | | | | | | |
| ITNA45185 | 0403 | 02/26/90 | X | | | | | | | |
| ITNA45386 | 0403 | 03/27/90 | X | | | | | X | | |
| ITNA45185 | 0404 | 02/21/90 | X | | | | | | | |
| ITNA45185 | 0405 | 02/25/90 | X | | | | | | | |
| ITNA45185 | 0406 | 02/28/90 | X | | | | | | | |
| ITNA45185 | 0407 | 02/26/90 | X | | | | | | | |
| ITNA45185 | 0410 | 02/25/90 | X | | | | | | | |
| ITNA45386 | 0411 | 03/26/90 | X | | | | | | | |
| ITNA45375 | 0420 | 03/24/90 | X | | | | | | | |
| ITNA45375 | 0421 | 03/24/90 | X | | | | | | | |
| ITNA45375 | 0422 | 03/24/90 | X | | | | | | | |
| ITNA45375 | 0423 | 03/24/90 | X | | | | | | | |
| REA35932 | 0500 | 04/25/90 | X | | | | | | | |
| REA36157 | 0500 | 07/24/90 | X | | | | | | | |
| ITNA45963 | 0501 | 06/15/90 | X | | | | | | | |
| REA35937 | 0501 | 04/26/90 | X | | | | | | | |
| REA36157 | 0501 | 07/24/90 | X | | | | | | | |
| ITNA46302 | 0502 | 07/25/90 | X | | | | | | | |
| REA35938 | 0502 | 04/27/90 | X | | | | | | | |
| REA35938 | 0502 | 04/26/90 | X | | | | | | | |
| REA36166 | 0502 | 07/25/90 | X | | | | | | | |
| REA35941 | 0503 | 04/30/90 | X | | | | | | | |
| REA35941 | 0503 | 04/30/90 | X | | | | | | | |
| REA36166 | 0503 | 07/25/90 | X | | | | | | | |
| ITNA46302 | 0504 | 07/26/90 | X | | | | | | | |
| REA35943 | 0504 | 05/01/90 | X | | | | | | | |
| REA36166 | 0504 | 07/26/90 | X | | | | | | | |
| ITNA45627 | 0505 | 05/02/90 | X | | | | | | | |
| ITNA45627 | 0505 | 05/02/90 | X | | | | | | | |
| REA35946 | 0505 | 05/02/90 | X | | | | | | | |
| REA35946 | 0505 | 05/02/90 | X | | | | | | | |
| REA36166 | 0505 | 07/26/90 | X | | | | | | | |
| REA35950 | 0506 | 05/03/90 | X | | | | | | | |
| REA35950 | 0506 | 05/03/90 | X | | | | | | | |
| ITNA46302 | 0508 | 07/28/90 | X | | | | | | | |
| REA36167 | 0508 | 07/28/90 | X | | | | | | | |

MOUND DATA

| BATCH NUMBER | LOCATION | SAMPLE DATE | VOA | CAN | ANIT | BNA | EXP | RAD | P/PCB | MET |
|---|---|---|---|---|---|---|---|---|---|---|
| ITNA46302 | 0509 | 07/28/90 | X | | | | | | | |
| REA36167 | 0509 | 07/28/90 | X | | | | | | | |
| ITNA46302 | 0510 | 07/29/90 | X | | | | | | | |
| REA36167 | 0510 | 07/29/90 | X | | | | | | | |
| ITNA46302 | 0511 | 07/29/90 | X | | | | | | | |
| REA36167 | 0511 | 07/29/90 | X | | | | | | | |
| ITNA46319 | 0512 | 07/30/90 | X | | | | | | | |
| ITNA46319 | 0513 | 07/30/90 | X | | | | | | | |
| ITNA46319 | 0514 | 07/31/90 | X | | | | | | | |
| REA36177 | 0514 | 07/31/90 | X | | | | | | | |
| ITNA46319 | 0515 | 07/31/90 | X | | | | | | | |
| REA36177 | 0515 | 07/31/90 | X | | | | | | | |
| ITNA46319 | 0516 | 08/01/90 | X | | | | | | | |
| REA36179 | 0516 | 08/01/90 | X | | | | | | | |
| ITNA46319 | 0517 | 08/01/90 | X | | | | | | | |
| REA36179 | 0517 | 08/01/90 | X | | | | | | | |
| ITNA46345 | 0518 | 08/02/90 | X | | | | | | | |
| REA36183 | 0518 | 08/02/90 | X | | | | | | | |
| INTS46345 | 0519 | 08/02/90 | X | | | | | | | |
| REA36183 | 0519 | 08/02/90 | X | | | | | | | |
| ITNA45627 | 0520 | 05/01/90 | X | | | | | | | |
| ITNA46302 | 0520 | 07/29/90 | X | | | | | | | |
| REA36167 | 0520 | 07/29/90 | X | | | | | | | |
| REA35946 | 0520 | 05/01/90 | X | | | | | | | |
| ITNA45627 | 0521 | 05/01/90 | X | | | | | X | | |
| ITNA46319 | 0521 | 07/30/90 | X | | | | | | | |
| REA35946 | 0521 | 05/01/90 | X | | | | | X | | |
| ITNA45963 | 0530 | 06/15/90 | X | | | | | | | |
| ITNA46302 | 0530 | 07/26/90 | X | | | | | | | |
| ITNA46345 | 0530 | 08/03/90 | X | | | X | | X | X | |
| REA35937 | 0530 | 04/25/90 | X | | | | | X | | |
| REA36166 | 0530 | 07/26/90 | X | | | | | | | |
| ITNA46302 | 0531 | 07/29/90 | X | | | X | | | X | |
| REA35938 | 0531 | 04/26/90 | X | | | X | | X | X | |
| REA36167 | 0531 | 07/29/90 | X | | | X | | | X | |
| REA35941 | 0532 | 04/28/90 | X | | | | | | | |
| ITNA46302 | 0533 | 07/29/90 | | | | | | X | | |
| REA35943 | 0533 | 04/30/90 | X | | | | | | | |
| REA36167 | 0533 | 07/29/90 | | | | | | X | | |
| ITNA46319 | 0534 | 07/30/90 | X | | | | | X | | |
| REA35950 | 0534 | 05/02/90 | X | | | X | | X | X | |
| ITNA45627 | 0535 | 05/01/90 | X | | | | | X | | |
| ITNA46345 | 0535 | 08/02/90 | X | | | | | | | |
| REA36183 | 0535 | 08/02/90 | X | | | | | | | |
| REA35946 | 0535 | 05/01/90 | X | | | | | X | | |
| REA36183 | 0536 | 08/03/90 | X | | | X | | X | X | |
| ITNA46345 | 0540 | 08/03/90 | X | | | | | | | |

MOUND DATA

| BATCH NUMBER | LOCATION | SAMPLE DATE | VOA | CAN | ANIT | BNA | EXP | RAD | P/PCB | MET |
|---|---|---|---|---|---|---|---|---|---|---|
| REA36183 | 0540 | 08/03/90 | X | | | | | | | |
| ITNA46345 | 0541 | 08/03/90 | X | | | | | | | |
| REA36183 | 0541 | 08/03/90 | X | | | | | | | |
| 8703-847 | 0601 | 03/01/87 | | X | | | | X | | X |
| 8712-023 | 0601 | 12/13/87 | | | X | X | | | | X |
| 8803-667 | 0601 | 03/04/88 | | X | X | X | | | | |
| 8806-766 | 0601 | 06/22/88 | | X | X | X | | | | |
| 8809-614 | 0601 | 09/12/88 | X | X | X | X | | | | |
| 8809-614 | 0601 | 09/12/88 | X | | | | | | | |
| ITNA45011 | 0601 | 01/20/90 | X | | | | | | | |
| ITNA45199 | 0601 | 02/24/90 | X | | | | | | | |
| ITNA45199 | 0601 | 02/24/90 | X | | | | | | | |
| ITNA45199 | 0601 | 02/24/90 | X | | | | | | | |
| ITNA45366 | 0601 | 03/22/90 | X | | | | | | | |
| ITNA46319 | 0601 | 08/01/90 | X | | | | | | | |
| REA36179 | 0601 | 08/01/90 | X | | | | | | | |
| REA35950 | 0601 | 05/02/90 | X | | | | | | | |
| 8703-847 | 0602 | 03/03/87 | | X | | | | X | | X |
| 8703-890 | 0602 | 03/03/87 | | X | X | | | | | X |
| 8712-024 | 0602 | 12/14/87 | | | X | X | | | | X |
| 8803-667 | 0602 | 03/04/88 | | X | X | X | | | | |
| 8803-667 | 0602 | 03/04/88 | | X | X | X | | | | |
| 8806-766 | 0602 | 06/22/88 | | X | X | X | | | | |
| 8809-596 | 0602 | 09/09/88 | X | X | X | X | | | | |
| ITNA45011 | 0602 | 01/20/90 | X | | | | | | | |
| ITNA45185 | 0602 | 02/24/90 | X | | | | | X | | |
| ITNA45366 | 0602 | 03/22/90 | X | | | | | | | |
| ITNA46319 | 0602 | 08/01/90 | X | | | | | | | |
| REA36179 | 0602 | 08/01/90 | X | | | | | | | |
| REA35950 | 0602 | 05/02/90 | X | | | | | | | |
| 8703-847 | 0603 | 03/01/87 | | X | | | | X | | X |
| 8712-036 | 0603 | 12/15/87 | | | X | X | | | | X |
| 8803-667 | 0603 | 03/04/88 | | X | X | X | | | | |
| 8803-698 | 0605 | 03/08/88 | | X | X | X | | | | |
| 8812-014 | 0605 | 11/30/88 | X | | | | | | | |
| ITNA45011 | 0605 | 01/20/90 | X | | | | | | | |
| ITNA45199 | 0605 | 02/24/90 | X | | | | | | | |
| ITNA45366 | 0605 | 03/22/90 | X | | | | | | | |
| ITNA46319 | 0605 | 08/01/90 | X | | | | | | | |
| REA35932 | 0605 | 04/24/90 | X | | | | | | | |
| REA36179 | 0605 | 08/01/90 | X | | | | | | | |
| 8703-847 | 0607 | 03/06/87 | | | | | | X | | |
| 8703-899 | 0607 | 03/06/87 | | X | | | | | | X |
| 8712-024 | 0607 | 12/14/87 | X | | X | X | | | | X |
| 8803-678 | 0607 | 03/06/88 | | X | X | X | | | | |
| 8806-785 | 0607 | 06/23/88 | | X | X | X | | | | |
| 8809-614 | 0607 | 09/12/88 | X | X | X | X | | | | |

MOUND DATA

| BATCH NUMBER | LOCATION | SAMPLE DATE | VOA | CAN | ANIT | BNA | EXP | RAD | P/PCB | MET |
|---|---|---|---|---|---|---|---|---|---|---|
| 8809-614 | 0607 | 09/12/88 | X | | | | | | | |
| 8812-001 | 0607 | 11/30/88 | X | | | X | | | X | X |
| 8812-001 | 0607 | 11/30/88 | X | | | | | | | |
| 8812-001 | 0607 | 11/30/88 | X | | | X | | | X | |
| 8812-001 | 0607 | 11/30/88 | X | | | X | | | X | |
| ITNA45011 | 0607 | 01/20/90 | X | | | | | | | |
| ITNA45185 | 0607 | 02/24/90 | | | | | | X | | |
| ITNA45366 | 0607 | 03/22/90 | X | | | | | | | |
| ITNA46319 | 0607 | 08/01/90 | X | | | | | | | |
| REA35932 | 0607 | 04/24/90 | X | | | | | | | |
| REA36179 | 0607 | 08/01/90 | X | | | | | | | |
| 8812-014 | 0608 | 11/30/88 | X | | | | | | | |
| ITNA45011 | 0608 | 01/20/90 | X | | | | | | | |
| REA36179 | 0608 | 08/01/90 | X | | | | | | | |
| REA35950 | 0608 | 05/02/90 | X | | | | | | | |
| 8703-847 | 0609 | 02/26/87 | | X | | | | | | X |
| 8803-667 | 0609 | 03/04/88 | | X | X | X | | | | |
| ITNA46319 | 0609 | 08/01/90 | X | | | | | | | |
| ITNA45963 | 0700 | 06/15/90 | X | | | | | | | |
| ITNA46345 | 0700 | 08/02/90 | X | | | | | | | |
| REA36183 | 0700 | 08/02/90 | X | | | | | | | |
| 8812-014 | 0712 | 12/01/88 | X | | X | | | | | |
| 8812-014 | 0713 | 12/01/88 | X | | X | | | | | |
| 8812-014 | 0714 | 12/01/88 | X | | X | | | | | |
| 8812-014 | 0721 | 11/30/88 | X | | X | | | | | |
| 8812-014 | 0722 | 11/30/88 | X | | X | | | | | |
| 8812-014 | 0723 | 11/30/88 | X | | X | | | | | |
| 8812-014 | 0724 | 11/30/88 | X | | X | | | | | |
| 8812-014 | 0725 | 12/01/88 | X | | X | | | | | |
| 8812-014 | 0726 | 12/01/88 | X | | X | | | | | |
| 8812-014 | 0727 | 12/01/88 | X | | X | | | | | |
| ITNA46345 | 0800 | 08/03/90 | X | | | X | | X | X | |
| REA36183 | 0800 | 08/03/90 | X | | | X | | X | X | |
| REA35950 | 0800 | 05/02/90 | X | | | X | | X | X | |
| 8703-847 | 0804 | 03/04/87 | | | | | | X | | |
| 8703-890 | 0804 | 03/04/87 | | X | X | | | | | X |
| 8703-847 | 0805 | 02/26/87 | | X | | | | X | | X |
| 8703-847 | 0805 | 02/26/87 | | X | | | | X | | X |
| 8703-847 | 0807 | 02/26/87 | | X | | | | X | | X |
| 8703-823 | 0808 | 02/27/87 | X | | | X | | | X | |
| 8703-847 | 0899 | 02/26/87 | | X | | | | | | X |
| 8703-890 | 0900 | 02/26/87 | | | | | | | | X |
| 8703-847 | 0901 | 02/25/87 | | X | | | | | | X |
| 8712-036 | 0901 | 12/15/87 | X | | | | | | | |
| 8803-655 | 0901 | 03/03/88 | X | | | | | | | |
| 8806-840 | 0901 | 06/28/88 | X | | | | | | | |
| 8809-643 | 0901 | 09/13/88 | X | | | | | | | |

MOUND DATA

| BATCH NUMBER | LOCATION | SAMPLE DATE | VOA | CAN | ANIT | BNA | EXP | RAD | P/PCB | MET |
|---|---|---|---|---|---|---|---|---|---|---|
| ITNA45185 | 0901 | 02/26/90 | X | | | | | | | |
| 8703-847 | 0902 | 02/25/87 | | X | | | | | | X |
| 8712-036 | 0902 | 12/15/87 | X | | | | | | | |
| 8803-655 | 0902 | 03/03/88 | X | | | | | | | |
| 8806-840 | 0902 | 06/28/88 | X | | | | | | | |
| 8809-643 | 0902 | 09/13/88 | X | | | | | | | |
| 8703-847 | 0903 | 02/25/87 | | X | | | | | | X |
| 8712-036 | 0903 | 12/15/87 | X | | | | | | | |
| 8803-655 | 0903 | 03/03/88 | X | | | | | | | |
| 8806-840 | 0903 | 06/28/88 | X | | | | | | | |
| 8809-643 | 0903 | 09/13/88 | X | | | | | | | |
| 8703-847 | 0904 | 02/25/87 | | X | | | | | | X |
| 8803-655 | 0904 | 03/03/88 | X | | | | | | | |
| 8806-840 | 0904 | 06/28/88 | X | | | | | | | |
| 8809-643 | 0904 | 09/13/88 | X | | | | | | | |
| 8703-847 | 0905 | 02/25/87 | | X | | | | | | X |
| 8703-899 | 0905 | 02/26/87 | | | | | | | | X |
| 8712-036 | 0905 | 12/15/87 | X | | | | | | | |
| 8803-655 | 0905 | 03/03/88 | X | | | | | | | |
| 8806-840 | 0905 | 06/28/88 | X | | | | | | | |
| 8809-643 | 0905 | 09/13/88 | X | | | | | | | |
| 8703-847 | 0906 | 02/26/87 | | | | | | X | | |
| 8712-036 | 0906 | 12/15/87 | X | | | | | | | |
| 8803-655 | 0906 | 03/03/88 | X | | | | | | | |
| 8803-678 | 0906 | 03/03/88 | X | | | | | | | |
| 8806-840 | 0906 | 06/28/88 | X | | | | | | | |
| 8809-643 | 0906 | 09/13/88 | X | | | | | | | |
| 8703-847 | 0907 | 02/26/87 | | | | | | X | | |
| 8712-036 | 0907 | 12/15/87 | X | | | | | | | |
| 8803-655 | 0907 | 03/03/88 | X | | | | | | | |
| 8806-840 | 0907 | 06/28/88 | X | | | | | | | |
| 8809-643 | 0907 | 09/13/88 | X | | | | | | | |
| 8703-847 | 0908 | 02/26/87 | | | | | | X | | |
| 8809-643 | 0909 | 09/13/88 | X | | | | | | | |
| 8809-643 | 0909 | 09/13/88 | X | | | | | | | |
| 8703-847 | 0913 | 02/25/87 | | X | | | | | | X |
| ITNA45026 | 0913 | 01/24/90 | | | | | | X | | |
| ITNA46319 | 0913 | 08/01/90 | | | | | | X | | |
| REA35937 | 0913 | 04/25/90 | | | | | | X | | |
| REA36179 | 0913 | 08/01/90 | | | | | | X | | |
| 8703-847 | 0918 | 02/25/87 | | X | | | | | | X |
| 8712-023 | 0951 | 12/13/87 | X | | | | | | | |
| 8712-024 | 0951 | 12/14/87 | X | | | | | | | |
| 8712-036 | 0951 | 12/15/87 | X | | | | | | | |
| 8712-960 | 0951 | 12/08/87 | X | | | | | | | |
| 8712-973 | 0951 | 12/09/87 | X | | | | | | | |
| 8712-052 | 0952 | 12/15/87 | | | | | | | | X |

MOUND DATA

| BATCH NUMBER | LOCATION | SAMPLE DATE | VOA | COAN | ANIT | BNA | EXP | RAD | P/PCB | MET |
|---|---|---|---|---|---|---|---|---|---|---|
| 8712-052 | 0953 | 12/15/87 | | | | | | | | X |
| 8712-052 | 0954 | 12/15/87 | | | | | | | | X |
| 8712-036 | 0955 | 12/15/87 | | | | | | | | X |
| 8712-036 | 0956 | 12/15/87 | | | X | | | | | |
| 8712-036 | 0957 | 12/15/87 | | | X | | | | | |
| 8712-036 | 0958 | 12/15/87 | | | X | | | | | |
| 8712-036 | 0959 | 12/15/87 | | | X | | | | | |
| 8806-818 | 0960 | 06/27/88 | X | | | | | | | |
| 8809-576 | 0960 | 09/08/88 | X | | | | | | | |
| 8806-818 | 0961 | 06/27/88 | X | | | | | | | |
| 8809-596 | 0961 | 09/09/88 | X | | | | | | | |
| 8806-840 | 0962 | 06/28/88 | X | | | | | | | |
| 8809-606 | 0962 | 09/10/88 | X | | | | | | | |
| 8806-840 | 0963 | 06/28/88 | X | | | | | | | |
| 8809-614 | 0963 | 09/11/88 | X | | | | | | | |
| 8806-840 | 0964 | 06/28/88 | X | | | | | | | |
| 8809-614 | 0964 | 09/12/88 | X | | | | | | | |
| 8809-643 | 0965 | 09/13/88 | X | | | | | | | |
| 8806-655 | 0966 | 09/14/88 | X | | | | | | | |
| 8703-847 | 0967 | 03/02/87 | | | X | | | | | |
| 8803-655 | 0967 | 03/03/88 | X | | | | | | | |
| 8803-667 | 0967 | 03/04/88 | X | | | | | | | |
| 8803-678 | 0967 | 03/07/88 | X | | | | | | | |
| 8703-847 | 0968 | 03/02/87 | | | X | | | | | |
| 8703-890 | 0969 | 03/02/87 | | X | | | | | | |
| 8703-890 | 0970 | 03/02/87 | | X | | | | | | |
| 8703-899 | 0971 | 03/02/87 | | X | | | | | | |
| 8703-890 | 0972 | 03/02/87 | | X | | | | | | |
| 8703-899 | 0973 | 03/02/87 | | X | | | | | | |
| 8703-890 | 0977 | 03/02/87 | | X | | | | | | |
| 8703-890 | 0978 | 03/02/87 | | | | | | | | X |
| 8703-899 | 0979 | 03/02/87 | | X | | | | | | |
| 8703-890 | 0980 | 03/02/87 | | X | | | | | | |
| 8812-001 | 0999 | 11/30/88 | X | | | X | | | X | |
| 8812-014 | 0999 | 11/30/88 | X | | | | | | | |
| 8812-014 | 0999 | 12/01/88 | X | | | | | | | |
| ITNA45026 | 9995 | 01/25/90 | X | | | | | | | |