3001 8406 1E 0011

CH2M HILL
Mound, Inc.
1 Mound Road
P.O. Box 3030
Miamisburg, OH
45343-3030

CH2MHILL

SM-042/03
June 30, 2003

Mr. Richard B. Provencher, Director
Miamisburg Closure Project
U. S. Department of Energy
P. O. Box 66
Miamisburg, OH 45343-0066

ATTENTION: Paul Lucas

SUBJECT: Contract No. DE-AC24-03OH20152
BUILDING 49 BUILDING DATA PACKAGE, FINAL
Bldg 49-GFS/I: Planning Documents Approved- Activity ID: EBDEE095AL

REFERENCE: Statement of Work Requirement 055 - Regulator Reports

Dear Mr. Provencher:

Paul Lucas from your office has approved the release of the following final document:

- Building 49, Building Data Package, Final

If you or members of your staff have any questions regarding the document, or if additional support is needed, please contact Bob Ransbottom at extension 4220.

Sincerely,

R. C. Ransbottom for K. L. Kehler

K. L. Kehler
SMPP/TFV Project Manager

KLK/VKD

Enclosures

Approved: Paul Lucas 6/30/03
Paul Lucas Date
CERCLA Program Manager

cc: Dave Seely, USEPA, (1) w/attachments
Brian Nickel, OEPA, (1) w/attachments
Ruth Vandegrift, ODH, (1) w/attachments
Frank Schmaltz, DOE/MCP, (1) w/attachments
Lisa Rawls, DOE/MCP, w/o attachments
Randy Tormey, DOE/MCP, (1) w/attachments
Terry Tracy, DOE/HQ, (1) w/attachments
Dann Bird, MMCIC, (1) w/attachments
Jim Bonfiglio, MESH, (1) w/attachments
Public Reading Room, (4) w/attachments
John Fulton, CH2M Hill, w/o attachments
Bob Ransbottom, CH2M Hill, (1) w/attachments
Val Darnell, CH2M Hill, (1) w/attachments
Kurt Kehler, CH2M Hill, (1) w/attachments
DCC (1) w/attachments
Admin Record (2) w/attachments

MOUND

Environmental Restoration Program

OhioEPA

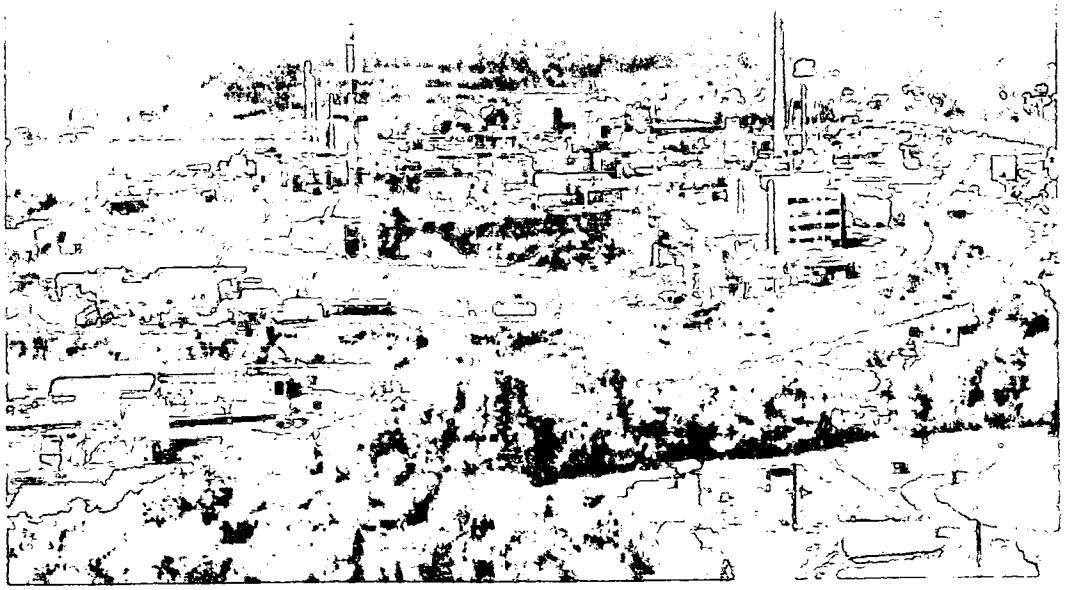
MIAMISBURG CLOSURE PROJECT

Building Data Package

Building 49

Final

June 2003



The Mound Core Team
P.O. Box 66
Miamisburg, Ohio 45343-0066

June 2003

Mr. Daniel Bird, AICP
Planning Manager
Miamisburg Mound Community Improvement Corporation
720 Mound Road
COS Bldg. 4221
Miamisburg, Ohio 45342-6714

Dear Mr. Bird:

The Core Team, consisting of the U.S. Department of Energy Miamisburg Closure Project (DOE-MCP), U.S. Environmental Protection Agency (USEPA), and the Ohio Environmental Protection Agency (OEPA), appreciates your comments on the Building 49 Building Data Package. Attached is our response.

Should the responses to comments require additional detail, please contact Paul Lucas at (937) 847-8350, x314 and we will gladly arrange a meeting or telephone conference.

Sincerely,

DOE/MCP: for Frank Schmoltz — 6/10/03
Paul Lucas, Remedial Project Manager — date

USEPA: David P. Seely — 6/23/03
David P. Seely, Remedial Project Manager — date

OEPA: Brian K. Nickel — 6/10/03
Brian K. Nickel, Project Manager — date

Response to MMCIC Comments on the Building 49 Building Data Package Public Review Draft February 2003

Comment 1. From our review of the Building 49 Data Package Public Review Draft, MMCIC concurs with the decision to demolish the building. This agreement comes with the understanding that PRS 87 will be remediated to remove the vinyl chloride and TCE that were found under Building 49. From reviewing the Building Data Package, MMCIC understands that the slab and foundation for Building 49 will remain in place until the remedial action for PRS 87 is begun.

Response 1. Your understanding is correct, PRS 87 will be remediated to remove the vinyl chloride and TCE to acceptable levels, and the slab will remain in place until remediation begins. We appreciate your input and review of the document.

Comment 2. It is MMCIC's understanding that the area will be restored to a natural state in accordance with the Mound Reuse Plan. This restoration might be most appropriate after the remediation of PRS 87, which is below the Building 49 footprint.

Response 2. Soil disturbed by Building 49 demolition activities has been restored for erosion protection and drainage. Additional site restoration will be performed after the completion of the PRS 87 Removal Action activities.

The Core Team agrees that overall cost efficiencies could be achieved if the restoration of the Building 49 site is designed with its reuse in mind. To the extent practicable, that goal will be pursued.

MOUND

Environmental Restoration Program

MIAMISBURG CLOSURE PROJECT BUILDING DATA PACKAGE

OhioEPA

The following Building Data Package (BDP) will be available on 19 February for your information in the CERCLA Public Reading Room, 305 E. Central Ave., Miamisburg, Ohio.

BDP Building 49: Explosive Fabrication Facility

Questions can be referred to Frank Schmaltz at (937) 865-3178.

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BDP Building 49

REV	DESCRIPTION	DATE
WORKING DRAFT (to DOE)		**December 2001**
DRAFT (to Core Team)	Non-editorial OEPA comments incorporated included adding TFV data, list energetics used, add PRSs to Appendix C graphic, and identifying use of concrete pad in Appendix photo.	**December 2001**
DRAFT PROPOSED FINAL (incorporates Core Team comments)	DPF was delayed awaiting PRS 87 to be binned as No Further Assessment. Subsequently, the building disposition changed from transition to demolition. Accordingly, the PRS 87 status no longer necessitates the BDP from being released for public review.	**February 2003**
PUBLIC REVIEW DRAFT	The BDP was made available in the CERCLA Public Reading Room on February 19, 2003.	**February 2003**
FINAL	The Core Team's response to public comments is included in this document. No text changes were indicated based on public comments. USEPA had no comments regarding this document. OEPA comments were addressed. No text changes were indicated based OEPA comments.	**June 2003**

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1.0 GENERAL OVERVIEW

1.1 Introduction

The purpose of this Building Data Package (BDP) is to prepare for the demolition of Building 49 (Explosive Fabrication Facility) and its associated shed and to identify, if possible, any recognized environmental conditions (defined below) that may affect the subject property and structure.

Recognized Environmental Condition: The presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a likely release, a past release, or a material threat of a release of any hazardous substances or petroleum into structures, or into the air, ground, groundwater, or surface water near the building.

1.2 Scope

This document has been prepared in accordance with the agreements and requirements as specified in the *Work Plan for Environmental Restoration of the DOE Mound Site, The Mound 2000 Approach*. This document is a BDP for Building 49 located at the Department of Energy (DOE) Miamisburg Closure Project (MCP) in Miamisburg, Ohio. The investigation performed to support this BDP models procedures found in *ASTM Standard Practice for Environmental Site Assessments; Phase I Environmental Site Assessment Process* (Designation E 1527-97).

The scope of the investigation included Building 49 and its storage shed, the soil beneath, and a 15-foot wide perimeter border around the building. The investigation of Building 49 included the following:

A) A building and perimeter inspection.
B) An examination of historical aerial photographs and maps.
C) A review of federal and state regulatory agency records.
D) Personnel interviews.
E) A review of MCP Plant records for:

   1) History of spills, releases, and chemical inventories
   2) Past sampling data

      - Radiological survey
      - Soil sampling
      - Lead-based paint
      - Asbestos
      - Radon

In addition to the building investigation conducted by site contractor personnel, documents were reviewed. Information used to compile BDPs includes the following:

- Characterization of Mound's Hazardous, Radioactive, and Mixed Wastes, August 1990
- OU-9 Site Scoping Report, Volumes 1-12
- Mound Facility Physical Characterization, December 1992
- Active Underground Storage Tank Plan, November 1994
- OU-9 Hydrological Investigation, Bedrock Report, January 1994
- OU-9 Hydrological Investigation, Buried Valley Aquifer Report, March 1994
- Environmental Appraisal Report of the Mound Plant, March 1996
- Title Search
- Lease Information
- EDR Report - Radius Map
- Building Prints
- Potential Release Site (PRS) information
- MD-22153, Mound Site Radionuclides By Location, June 1995 Contaminant Surveys
- MLM-3791, Mound Facility Physical Characterization, December 1993

2.0 BUILDING SPECIFIC OVERVIEW

Constructed in 1970, with an addition in 1988, Building 49 was a one-story building with two roof-mounted penthouses. The structure contained 14,929 square feet of floor space. Built slab on grade, Building 49 was a reinforced concrete building with a built-up membrane (coal tar) roof. Building 49 was heated by steam and air conditioned by central chiller systems. It was supplied with potable and non-potable water and sanitary services. Electric service was 460 volts.

To the west/southwest corner of the building is a large concrete pad on which had previously stood a double-wide trailer that was used for offices. The trailer was previously removed.

Located approximately 120 feet north-northeast of the building is a solvent shed. This metal structure was constructed in 1985, and measured approximately 8 feet by 12 feet. The solvent shed was equipped with a ventilation fan and metal grid floor with an underlying catch basin. When building processes were in operation, solvents were piped directly from drums located in the shed into Building 49. Spent solvents were discharged through a drain and piped back to the solvent shed, where these materials were collected in a 55-gallon drum.

There had been an original solvent shed located near the north side of the original Building 49 footprint. That shed was previously demolished to support construction of the 1988 addition to the north side of the building.

Both solvent sheds were designated as Potential Release Site (PRS) 87. Because of the original solvent shed, PRS 87 was binned as a Removal Action due to soil contamination. The second shed (to be demolished with this demolition activity) required no action based on characterization data, and will be closed out along with the original shed via the PRS 87 OSC Report.

2.1 Current Uses of Building 49

Building 49 was vacated in September 2002, and is currently undergoing preparations for demolition.

2.2 Past Uses of Building 49

Building 49 was built to serve as an energetic materials production laboratory and staging facility. According to Brady Barnhart (the Mound employee who supervised the 1995 Safe Shutdown and worked with the materials at the site), components that contained energetic materials were assembled in Building 49 and may have included PETN, TATB, HMX, RDX, and HNS (see Table 1). Jerry Allison (previous manager of fabrication and testing of energetic components in the Test Fire Valley) reported that the components contained compressed pellets and mild detonating fuses, but no loose powders were handled within or outside of the building (other than small amounts that may have been the result of broken pellets).

In 1995, the building underwent initial Safe Shutdown activities prior to being leased for commercial purposes. Building 49 was leased to Miamisburg Mound Community Improvement Corporation (MMCIC) who subsequently leased it to Perkin-Elmer from 1995 through September 2002. Perkin-Elmer used the building for fabrication of energetic-containing components, similar to the operations performed when DOE used the facility.

2.3 Summary of Environmental Concerns and Findings - Building 49

Table 1: Summary of Environmental Concerns and Findings

Description	Comment	Resolution
Lead-Based Paint	None of the six readings collected from damaged and/or deteriorated paint coatings noted on surfaces within Building 49 were found to contain lead above the Housing and Urban Development/Ohio Department of Health (HUD/ODH) level (Section 4.2.4.4 and Appendix J).	If lead-based paint were present, it would not impact the demolition or disposal of the facility. Close worker disturbance of paint coatings (sanding, grinding, scraping, torching) will be avoided during demolition. If close disturbance is necessary, point of contact will be tested for lead and appropriate controls and personal protective equipment (PPE) used for disturbance as required.
Chemicals	A list of chemicals recently in the building is provided in Appendix K.	All chemicals have been removed from the building prior to deleasing.
Fluorescent Lamps and Polychlorinated Biphenyls (PCBs)	PCB-containing ballasts were present in the building.	PCB-containing ballasts have been removed from Building 49. No further action required.
Air Emissions	N/A	N/A
Asbestos	A survey of Building 49 was conducted to identify asbestos-containing material. The locations and types of materials identified are specified in Appendix I.	Asbestos-containing material will be removed from the building and disposed of prior to building demolition. No further action required.
Drainage Sumps	N/A	N/A
Lead	N/A	N/A
Mercury	N/A	N/A
Radiological	Within acceptable limits.	N/A
Soil Contamination	PRS 87 is beneath Building 49, and has been binned as a Removal Action (RA) due to elevated levels of vinyl chloride and Trichloroethylene (TCE).	The Building 49 superstructure, and the shed and its slab and foundation, and the aboveground lines and stanchions/piers will be demolished and debris removed. However, the Building 49 slab and foundation will be left in place, and removed by the Environmental Restoration (ER) group as part of the PRS 87 RA.
Septic System	N/A	N/A
Wastewater	Handled by site wastewater facility.	N/A
Stains & Corrosion/HVAC	N/A	N/A
Storage Tanks	N/A	N/A

Table 1: Summary of Environmental Concerns and Findings

Description	Comment	Resolution
Solid Waste Disposal	N/A	N/A
Migratory Hazards	N/A	N/A
Radon	Within acceptable limits.	N/A
Energetic Material/HVAC	The exhaust ductwork and structural cracks may contain trace amounts of loose energetic materials. Energetics present in the building may have included PETN, TATB, HMX, RDX, and HNS*.	Heavy-duty equipment will be used for demolition and debris handling. If close disturbance is necessary, demolition debris will be wet down, and personnel will be bonded to reduce static electricity, as required.

N/A: not applicable

* PETN pentaerythritol; TATB triamino-trinitrobenzene; HMX cyclotetramethylenetetranitramine RDX cyclotrimethylenetrinitramine; HNS hexanitrostibene

2.4 Radiological Characterization Summary for Building 49

A radiological assessment of Building 49 was performed by reviewing the historic operational and radiological survey information. Building 49, named the Timer Fabrication Facility, is located in the Test Fire Area, in the plant valley. Building 49 has not been used for any purpose other than as an energetic materials processing facility. No radiological process systems were ever a part of the facility. However, radioactive materials in the form of calibration standards (sources) were used in the Electronic Room (Room 124). Surveys were performed throughout the building in accordance with the Multi-Agency Radiation Survey and Site Investigation Manual (MARSSIM).

Several areas of elevated radiological activity were identified on the roof and exterior walls. These areas were determined to be short-lived activity (radon daughter products) and naturally occurring polonium-210. The review team has concluded that the building meets radiological surface release criteria established by DOE Order 5400.5 (see Table 2), and no further radiological surveys are required. Supporting documentation for the information summarized in the following table is contained in Appendix G.

Table 2: Radiological Summary

TYPE	RSDS (Radiological Survey Data Sheet)	LOCATION	SURVEY RESULTS (Note 1)	SURFACE CONTAMINATION GUIDELINES (Note 2)
Highest Alpha Smearable Activity	02-TF-1657	Interior Floor	3.8 (dpm/100 cm^2)	20 (dpm/100 cm^2)
Highest Alpha Fixed Activity	03-TF-0002	Roof	92 (cpm)	100 (cpm)
Highest Beta Smearable Activity	03-TF-0002	Roof	6.2 (dpm/100 cm^2)	1,000 (dpm/100 cm^2)
Highest Beta Fixed Activity	03-TF-0002	Exterior Wall	856 (cpm)	5,000 (cpm)
Highest Tritium Smearable Activity	02-TF-1658	Interior Wall	24.53 (dpm/100 cm^2)	10,000 (dpm/100 cm^2)

Note 1: Residual radiological activity may be present and not be a concern (within applicable limits). This may result from or be a function of counting statistics, instrument variances, the randomness of decay, radon presence, and/or natural fluctuations in background levels.

Note 2: Guideline values per DOE Order 5400.5, Radiation Protection of the Public and the Environment.

dpm: disintegrations per minute.

cpm: counts per minute.

3.0 SITE DESCRIPTION

3.1 Site/Vicinity Location and Characteristics

Building 49 is located at the DOE Miamisburg Closure Project (MCP), formerly known as Mound Plant. The site is situated in the City of Miamisburg, Miami Township, Montgomery County, State of Ohio as shown in Appendix B.

The site at one time was situated on approximately 300 acres of land and contained approximately 130 buildings with a total of approximately 1.4 million square feet of floor space (the number of buildings is constantly diminishing as buildings are decommissioned and either sold or demolished). The original 182-acre site, purchased by the Manhattan Engineering District in 1946, consisted of two hills and an intervening valley that runs approximately east and west. The 124-acre tract acquired in 1981 was an undeveloped mixture of fields and woods that undulates and slopes downward to the west, away from the main site. This area was acquired to serve as a buffer and has been used as a staging area and parking area for contractors working onsite.

To the west lies a railroad line and the north-south trending Miami-Erie Canal. The northern boundaries of the site abut the residential area of Miamisburg, Ohio. Mound Road marks the northern half of the eastern perimeter of the facility then veers east, away from the southern half of the eastern boundary. A public golf course (belonging to the City of Miamisburg), the Miamisburg Mound Memorial Park, old agricultural fields, residential lots, and vacant wooded lots border against the facility along Mound Road. Benner Road

formed the southern property line of the site at the 300-acre stage), with agricultural fields and farms occupying the lands beyond.

3.2 Description of Structures, Roads, Other Improvements in Proximity to Building 49

To the west of Building 49 is a concrete walkway and an asphalt turn-about area that connects to the access road between Buildings 2 and 63. To the south and southeast of the building is a concrete walkway with an upward sloping hillside. To the east/northeast of the building are aboveground pipes mounted on stanchions connecting the building to the shed. To the northwest of the building is a concrete walkway with a dirt area beyond, and the plant drainage ditch beyond that.

3.3 Current and Past Uses of Buildings in Proximity to Building 49

Building 49 is a part of the former Test Fire complex, which includes Buildings 2, 3, 63E, and 63W. Buildings closest to Building 49 are identified in Table 3 below. The location of these structures relative to Building 49 are shown on Figure 3 in Appendix C.

Table 3: Buildings in Proximity to Building 49

Building	Area (square feet)	Past Use	Current Use
2	6,291	destructive testing of energetic materials	Currently vacant
6	90	magazine for storage of energetic materials	Demolished
63 E/W	16,461	Building 63E was used as offices and as a tester fabrication facility. Building 63W was used as a spin test facility.	Leased to MMCIC; sub-leased to private company (Perkin-Elmer).

These facilities are believed to have had minimal or no environmental impact on Building 49.

4.0 RECORDS REVIEW

4.1 General/Historical CERCLA Information

In compliance with permit requirements under Resource Conservation and Recovery Act (RCRA), the Clean Water Act (CWA), the Safe Drinking Water Act (SDWA), and the Clean Air Act (CAA), Mound Plant has applied for or has received permits for its surface water discharges, air emissions, and hazardous waste program. The Site is currently operating a hazardous waste storage facility under a RCRA Part B Permit dated October 18, 1996. The

site also maintains a National Pollutant Discharge Elimination System (NPDES) surface water discharge permit with Facility I.D. number OH 0009857. Operations that produce particulate or vaporous emissions are either permitted or registered with the Regional Air Pollution Control Agency (RAPCA) and the Ohio Environmental Protection Agency (OEPA). The site also submits annual Emergency and Hazardous Chemical Inventory forms to OEPA, pursuant to the Superfund Amendment and Reauthorization Act (SARA), Title III, the Emergency Planning and Community Right-to-Know Act. The March 2002 version of this report indicated that no chemicals (meeting regulatory requirements) are stored in Building 49.

The site was identified as a contaminated site on the National Priorities List under CERCLA (Superfund) in 1989. The site was originally listed because of volatile organic compound (VOC) contamination in the western end of the lower valley area. The cleanup of the site was originally to be accomplished under the CERCLA mandated procedures for regulating Superfund Sites using the operable unit (OU) system to define and characterize cleanup areas. As the cleanup effort went forward, it became apparent that the site did not fit the profile for a cleanup strategy based on the operable units. The DOE, the United States Environmental Protection Agency (USEPA), and OEPA designed a new decision making process for the cleanup of the site. The new process is known formally as a "removal site evaluation process" and informally as the "Mound 2000 Process." The Mound 2000 Process system divided the site into geographical parcels containing over 400 PRSs with approximately equal numbers of PRSs concerned with potentially contaminated soil and with potential contamination in or associated primarily with building operations. A PRS is an area where knowledge of historic or current use indicates that the site may have had releases of radioactive and/or hazardous materials. For a more detailed description, refer to the *Work Plan for Environmental Restoration of the DOE Mound Site, the Mound 2000 Approach*.

4.2 Specific Record Sources for Building 49

4.2.1 Occurrence Reports

A search of the occurrence reporting system revealed three reports (listed below), all of which were minor and without environmental impact. Copies are provided in Appendix M.

- (2) Smoke detector false alarm, dust
- Alarm caused by water leak, false alarm

4.2.2 Spills and Releases

None.

4.2.3 Associated PRS Overview

As a result of the investigations and documentation accomplished to comply with the CERCLA cleanup process via the Federal Facilities Agreement (FFA)/DOE ER Program, DOE and BWXTO have tabulated all the PRSs identified under the various regulatory programs in effect at the site. Of these 440 PRSs, ten are near Building 49 (see Table 4, and Figure 2). Additional information is included in Appendix N.

Table 4: PRSs in Proximity to Building 49

PRS #	CERCLA or BLDG. RELATED	BINNING STATUS	COMMENTS
PRS 67	CERCLA	FA	Plant drainage ditch
PRS 72	CERCLA	NFA	Area 13, polonium-contaminated wood from Dayton Unit IV
PRS 83	Building Related	NFA	Building 2 propane tank (Tank 122)
PRS 87	CERCLA	RA	Location of former solvent sheds The original shed location (under the Bldg 49 footprint) requires remediation; however, the second shed (demolished in this activity) does not require remediation based on characterization data.
PRS 89	Building Related	NFA	Test Fire residual storage area
PRS 319	CERCLA	NFA	Building 49 former epoxy resin waste containers
PRS 330	Building Related	NFA	Building 2 fuel oil tank
PRS 331	CERCLA	NFA	Building 2 septic tank
PRS 363	CERCLA	RA	Elevated soil gas location
PRS 364	CERCLA	NFA	Elevated soil gas location

FA – Further Assessment
NFA – No Further Assessment
RA – Removal Action

The Building 49 slab and foundation will be left in place and removed by the ER group as part of the PRS 87 RA. PRSs 67 and 363 are unrelated to Building 49 and will be handled separately from this building demolition.

4.2.4 Sampling Data

4.2.4.1 Radiological Surveys

Radiological survey data indicated no elevated readings in the building. Areas of elevated activity were identified on the roof and exterior walls; these areas were determined to be

short-lived activity (radon daughter products) and naturally occurring polonium-210. Supporting documentation is summarized in Section 2.4 of this document and copies of survey data sheets are included in Appendix G.

4.2.4.2 Soil Sampling Data

Appendix L contains a graphic and tables presenting results of historic soil sampling data within a 15-foot perimeter of Building 49 and its associated shed. Maximum exceedances to screening levels (Core Team approved or the more stringent of either 10^{-6} Risk-Based Guideline Value [RBGV] plus background or Hazard Index = 1) are listed in Table 4. Common anions (such as nitrate, nitrite, sulfate, sulfide, phosphate, fluoride, iodide, nitrogen, and bromide) and essential human nutrients (such as potassium, iron, sodium, calcium, and magnesium) are not considered in MCP risk assessments and therefore not evaluated further herein. All other results are below applicable levels.

Table 4: Maximum Results Exceeding Screening Levels

Analyte	Maximum Result	Background	RBGV (10^{-6})	Screening Level Comparison
Actinium-227 (pCi/g)	0.858	0.11	0.45	0.56
Benzo(g,h,i)perylene (ug/kg)	13	NC	NC	NA
Magnesium (mg/kg)	79,100	40,000	NC	40,000
Phenanthrene (mg/kg)	35,000	NC	NC	NA
TCE (mg/kg)	43	ND	5.09	5.09
Vinyl chloride (ug/kg)	140	NC	0.41	0.41

RBGV: most stringent of construction and office worker scenarios per Risk-Based Guideline Values, March 1997, Final, as performed using April 2001 HEAST slope factors.
NC: not calculated
NA: Not available
ND: Not detected

Additional soil sampling (beyond that provided in Appendix L) was performed as part of the PRS 87 FA. That investigation has shown that the soil beneath Building 49 is contaminated with vinyl chloride and TCE at levels that require remediation; accordingly, the Core Team binned PRS 87 as an RA. The Building 49 slab and foundation will be left in place and removed by the ER group as part of the PRS 87 RA.

4.2.4.3 Chemical History

Appendix K provides a list of chemicals that had been used in Building 49. All chemicals have been removed from the building.

4.2.4.4 Lead-Based Paint

None of the six readings collected from damaged and/or deteriorated paint coatings noted on surfaces within Building 49 were found to contain lead above the HUD/ODH level. These interior readings were found to contain lead in concentrations ranging from 0.00 mg/cm^2 to 0.11 mg/cm^2 (with a range of precision between +/- 0.01 mg/cm^2 and 0.18 mg/cm^2) (Appendix J).

If lead-based paint were present, it would not impact the demolition or disposal of the facility. Close worker disturbance of paint coatings (sanding, grinding, scraping, torching) will be avoided during demolition. If close disturbance is necessary, point of contact will be tested for lead and appropriate controls and PPE used for disturbance as required.

4.2.4.5 Asbestos

A survey of Building 49 was conducted to identify asbestos-containing material. The locations and types of materials identified are specified in Appendix I. Asbestos-containing material will be removed from the building and disposed of prior to building demolition.

4.2.4.6 Radon

The results of a 1989-90 Mound Indoor Radon study indicated an average radon concentration of 0.4 picoCuries/liter (pCi/L) in Building 49 (Appendix H). The USEPA recommended standard for a maximum radon level is 4.0 pCi/L.

4.3 Review of Building Prints

Building prints were reviewed and no significant items were identified. Floor plans are included in Appendix D.

4.4 Aerial Photographs

Three aerial photographs are presented in Appendix E; 1968 (prior to construction), 1973 (recently constructed), and 1996 (most recent aerial photo). These photographs were reviewed and no significant items were identified.

4.5 Interviews

Due to the building being leased since 1995, no interviews were conducted. The current Building Manager is Gary Weidenbach. No significant items other than the energetic materials testing performed in the building are known to exist.

Appendix A

General Listing of Acronyms

ASTM	American Society for Testing and Materials
BDP	Building Data Package
BWXTO	BWXT of Ohio, Inc.
CAA	Clean Air Act
CERCLA	Comprehensive Environmental Response, Compensation & Liability Act
cm^2	centimeters squared
CWA	Clean Water Act
DOE	United States Department of Energy
DPM	disintegrations per minute
EPA	United States Environmental Protection Agency
ER	Environmental Restoration (Program)
FFA	Federal Facility Agreement
HAZMAT	hazardous materials
MARSSIM	Multi-Agency Radiation Survey and Site Investigation Manual
MCP	Miamisburg Closure Project
N/A	not applicable
NPDES	National Pollutant Discharge Elimination System
OEPA	Ohio Environmental Protection Agency
OU	Operable Unit
PCB	polychlorinated biphenyl
pCi/L	picoCuries per liter
PRS	Potential Release Site
RI/FS	Remedial Investigation/Feasibility Study
RAPCA	Regional Air Pollution Control Agency
RCRA	Resource Conservation and Recovery Act
RSDS	Radiological Survey Data Sheet
SARA	Superfund Amendments and Reauthorization Act
SDWA	Safe Drinking Water Act
USEPA	United States Environmental Protection Agency
VOC	volatile organic compound

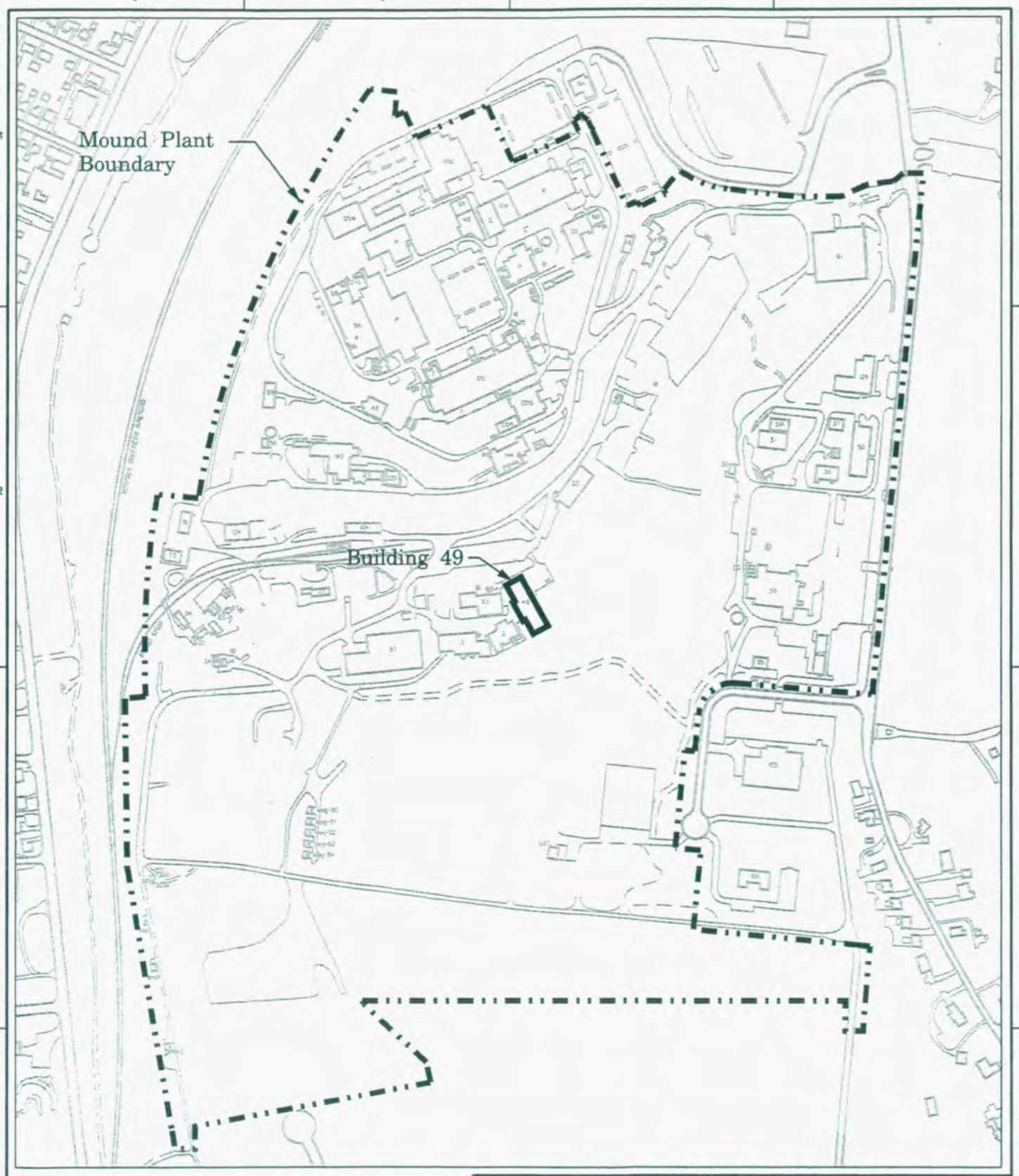
Appendix B

Map of Montgomery County

B1of1

Appendix C

Figures



Legend

Structures
Paved roadway
Unpaved roadway
Mound Plant boundary
Railroad

0 100 200 400 600 800 1000
Scale in Feet

ISS	DATE	REVISION	BY	CHKR	ENG	LPNCC	APVD	#
	09/04/02	*	SSF					

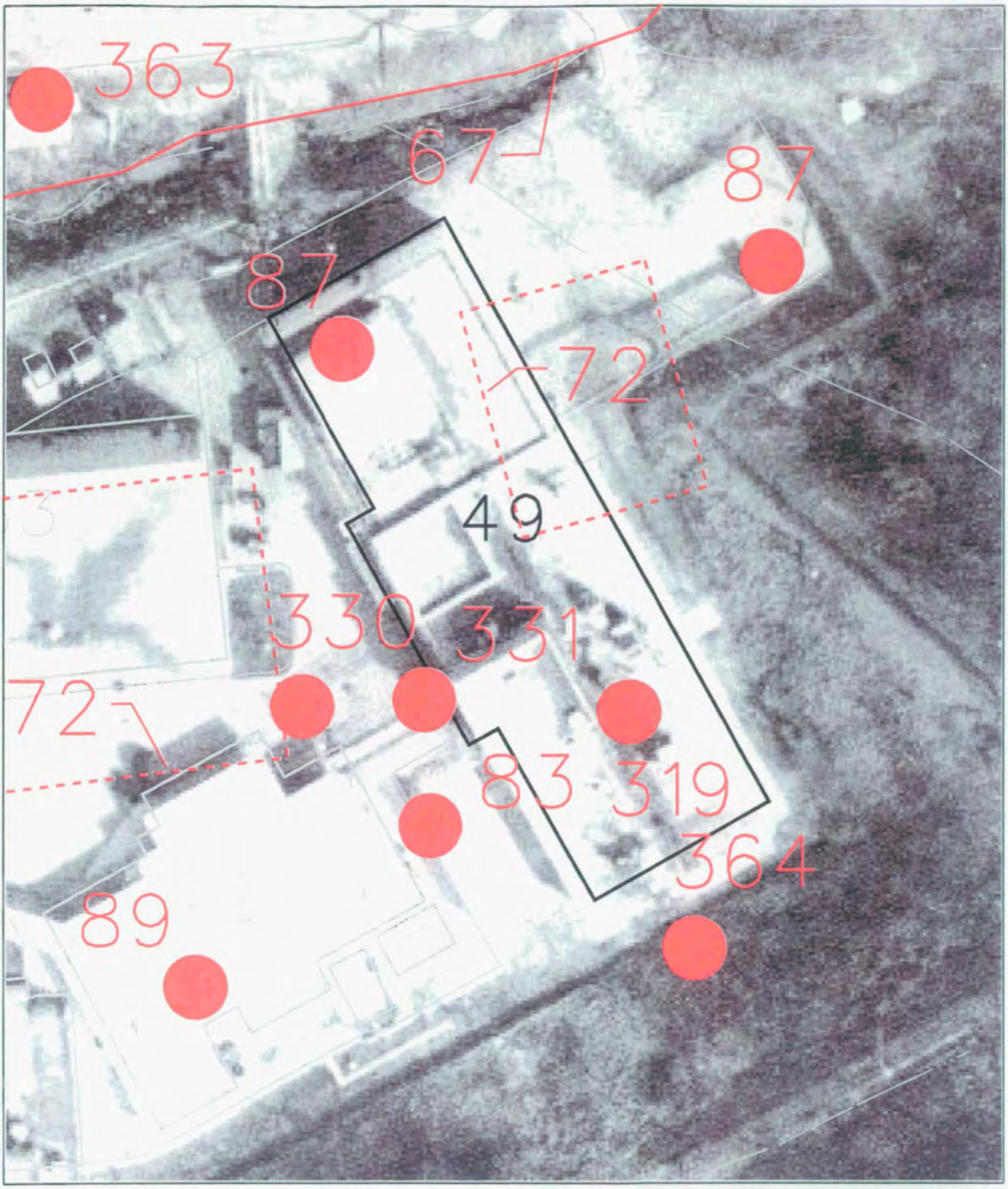
MOUND
Environmental Restoration Geographic Information System

SHEET	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
ISSUE																					
SHEET	1	2	3	4	5	6															
ISSUE																					

PART CLASSIFICATION

Figure 1
Location of Building 49

DRAWING CLASSIFICATION: UNCLASSIFIED
SIZE
DRAWING NUMBER: gen_site_plan.dgn
JOB NUMBER
DWG TYPE: STE
MNG: ER-GIS
CAGEC
SCALE
SHEET 1 OF
STATUS: MD-REL-**/**/**
ORIGIN: MSTATION / J



PRS Point

PRS Area

PRS Line

ISS	DATE	REVISION	BY	CHKR	ENG	LPREC	APVD	N
	09/04/02		SSF					

MOUND

Environmental Restoration Geographic Information System

SHEET	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
ISSUE																					
SHEET	1	2	3	4	5	6															
ISSUE	⊕																				

PART CLASSIFICATION

DRAWING CLASSIFICATION: UNCLASSIFIED

SIZE | DRAWING NUMBER: vicinity.dgn | JOB NUMBER

DNG TYPE: STE | PRNG: ER-GIS | CADEC | SCALE | SHEET 1 OF

STATUS: MD-REL-⊕⊕/⊕⊕/⊕⊕ | ORIGIN: MSTATION / J

Figure 2
Building 49 and Vicinity

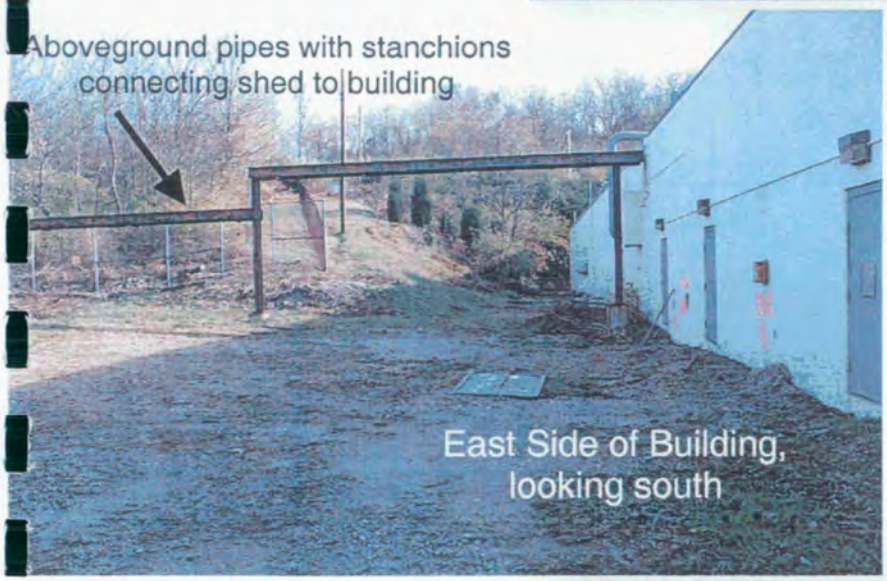
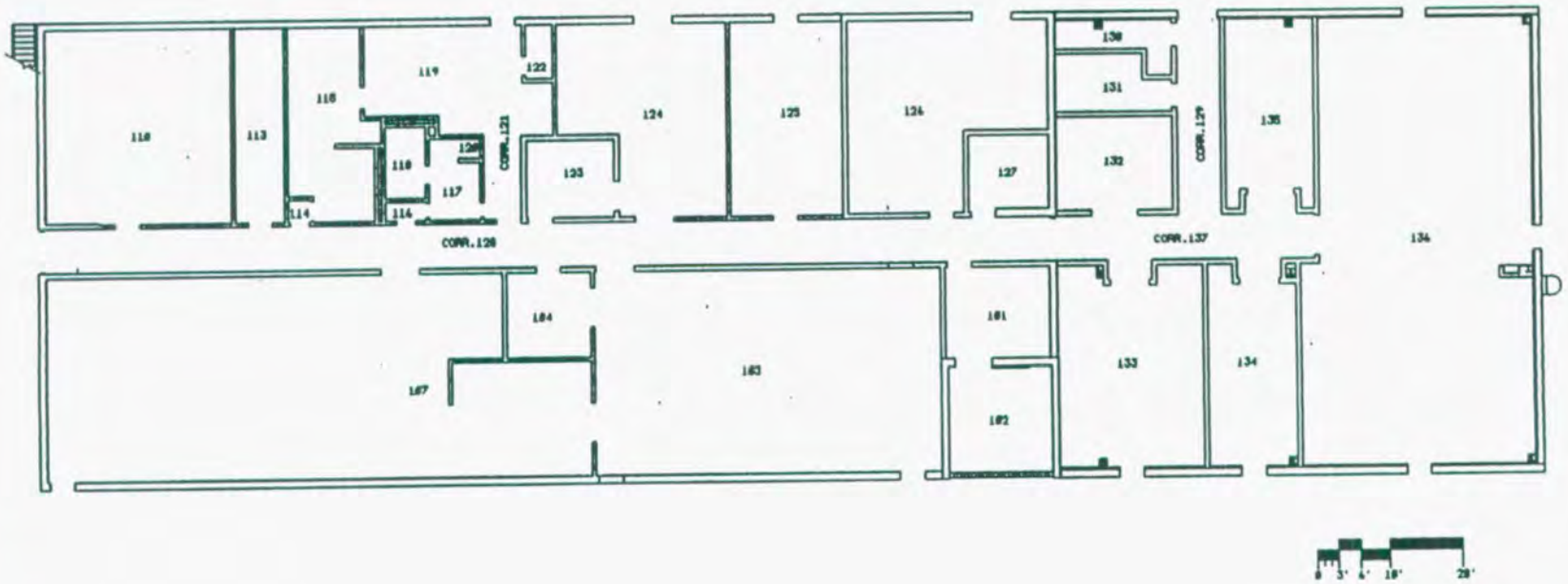


Figure 4: Building 49
Exterior Photos

Appendix D

Floor Plans

INK	DATE	REVISION	BY	CHKR	ENG	A/PROC	APVD	R
B	12/12/91	ASBUILT ISSUE	DCW				DVD	



D1 of 2

BLDG #49
FIRST FLOOR
BLDG CODE:3049

ADMIN. SERVICES - Doc. CONTROL

DOES NOT CONTAIN
UNCLASSIFIED CONTROLLED
NUCLEAR INFORMATION
Reviewing Official: [signature]
(name/organization)

Date: 10-9-01

APPROVALS:	DATE:
SAFETY COMMITTEE REVIEWED:	
___NONE ___TRNDOC ___TEDOC ___EDOC	
TECH. REP.	
SFL MGR.	
TRNDOC	
TEDOC	
EDOC	

DESIGN ENG	PROJ MGR
DRSN	ENG MGR
LP & DC	PROD REV
CNE MGR	
APVD	DATE

SHEET	1	2	3	4	5	6
ISSUE	B	B				

PART CLASSIFICATION

TITLE: BLDG #49 FLOOR PLANS

(U) TITLE CLASSIFICATION

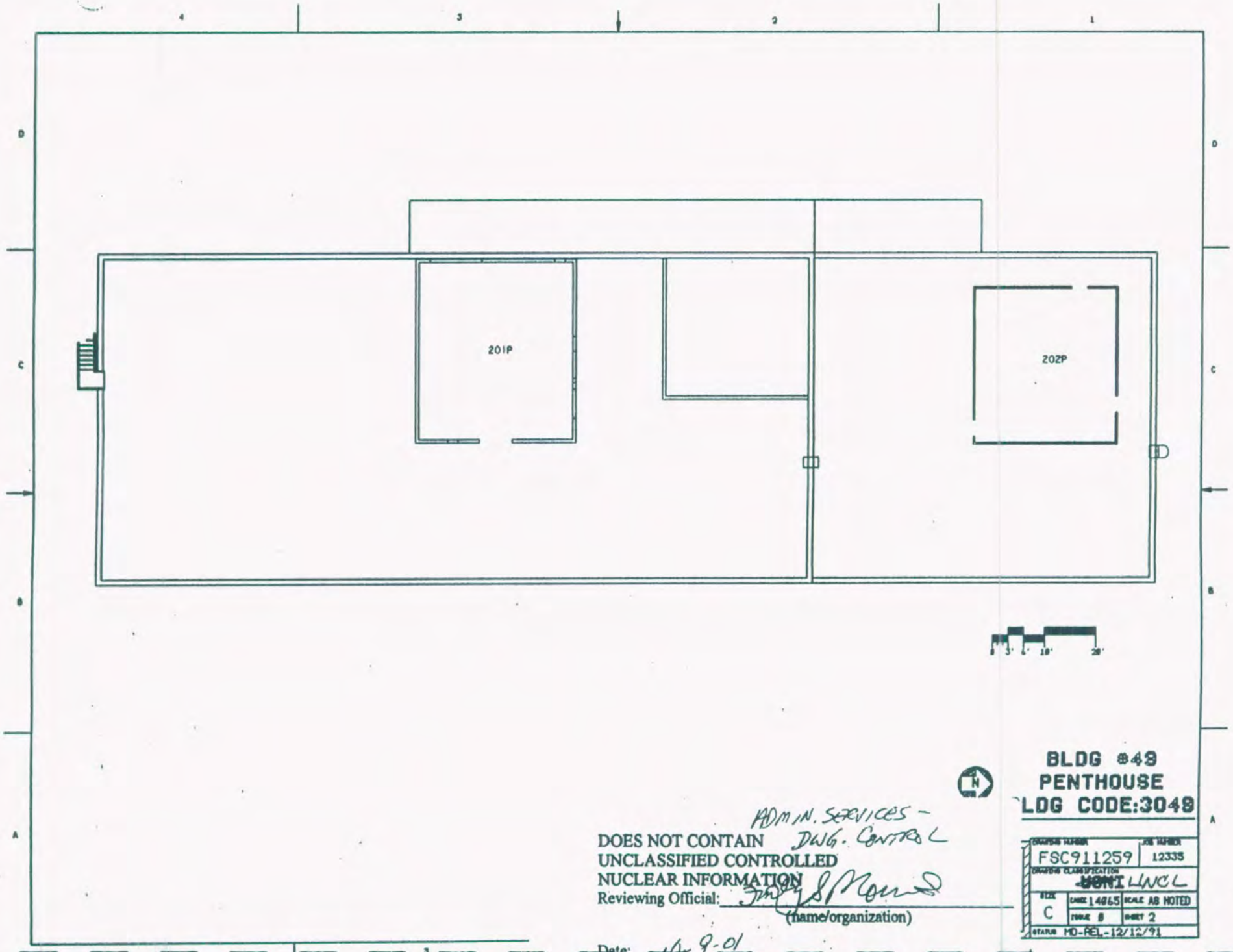
DRAWING CLASSIFICATION: ~~UNCL~~ UNCL

SIZE: C | DRAWING NUMBER: FSC911259 | JOB NUMBER: 12335

DWG TYPE: SFP | PROJ: BLDG #49 | CAMC 14865 | SCALE AS NOTED | SHEET 1 OF 2

STATUS: MD-REL-12/12/91 | ORIGIN: MD-BR3-V3.2

D 2 of 2

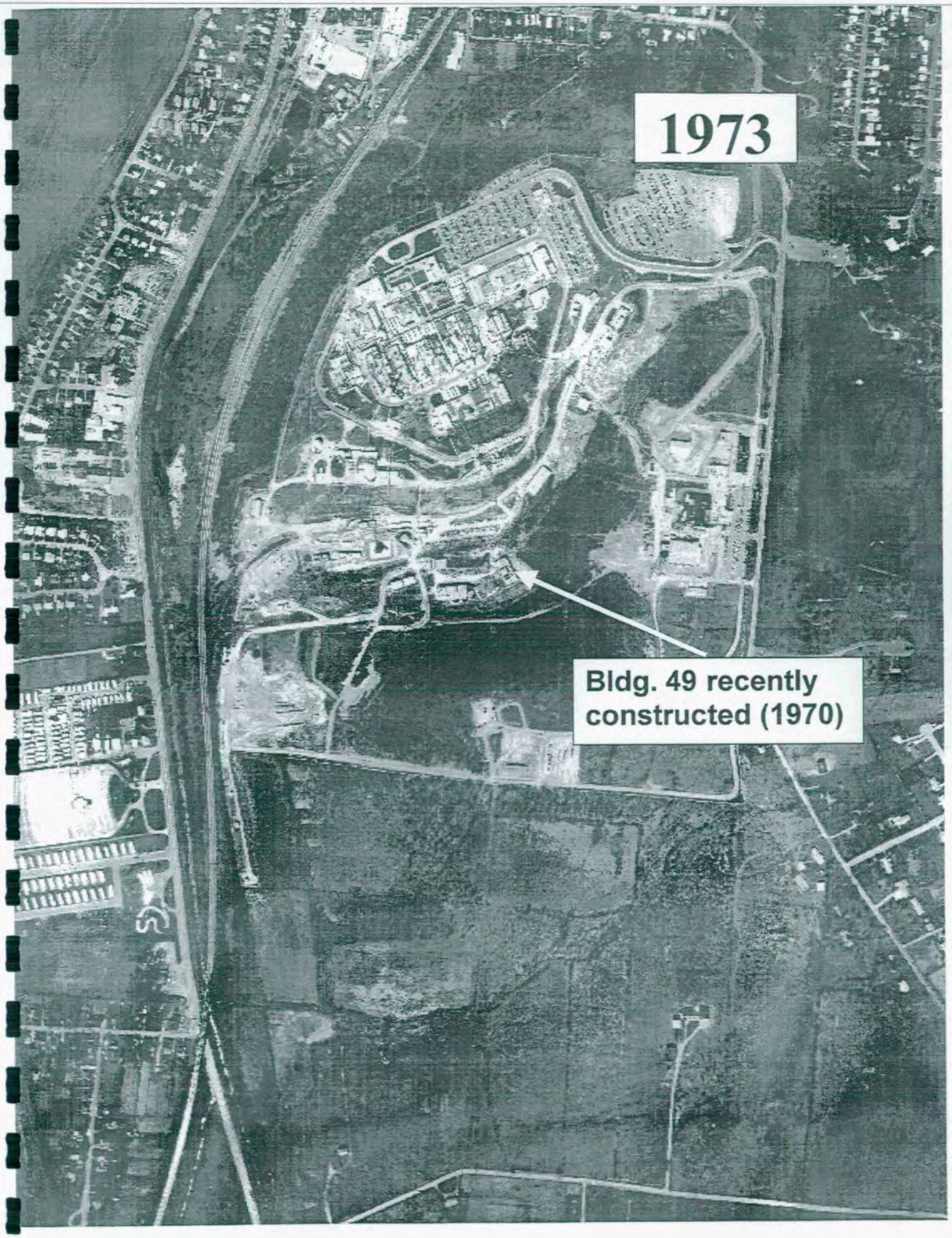


DOES NOT CONTAIN
UNCLASSIFIED CONTROLLED
NUCLEAR INFORMATION
Reviewing Official: ADMIN. SERVICES - DWG. CONTROL
(name/organization)
Date: 4-9-01

Appendix E

Aerial Photographs

1968
Bldg. 49 not yet built


1973
Bldg. 49 recently constructed (1970)

1996
Latest aerial of Bldg. 49

Appendix F

Environmental Appraisal Report of the Mound Plant (excerpt)

9.71 BUILDING 49

9.71.1 Scope of Building 49 Report

In late 1995 and the early months of 1996, EG&G MAT performed a review of environmental conditions at the Mound Plant. The purpose was to develop a performance baseline, and to identify areas for improvement on a building and a sitewide basis. EG&G MAT did not perform a "due diligence" or Phase I Environmental Site Assessment as specified by ASTM 1527 or ASTM 1528. The scope of the appraisal effort and a discussion of the appraisal methodology are detailed in Sections 2.0 and 5.0, found in Volume 1 of this report.

The appraisal team prepared to perform a walk-through of Building 49 on the morning of January 29, 1996, however, it was confirmed by the building manager that the building had been leased to the City of Miamisburg. Therefore, an environmental appraisal was not conducted. No Building Manager's Questionnaire (BMQ) was available and the Environmental Appraisal Checklist was not completed since the magazine was leased.
Building 12/18/02 VKM

9.71.2 Description of Building 49

Building 49, a production laboratory and staging facility, is a one-story, 14,900-square-foot, reinforced concrete, slab-on-grade structure with a built-up membrane (coal tar) roof. Its location is shown in Attachment 1 (9.71.4.1). The building is bounded by a parking lot to the north, an open gravel area to the east and south, and Building 2 and Building 63 to the west. The building contains production laboratories, an office, lavatories, a locker room, storage, and a large staging area. The building is serviced by sanitary and storm water service lines, heating and air conditioning systems providing central steam and chilled water, a fire sprinkler water main, and electric service of 480V (*Mound Facility Physical Characterization*, 12-1-93).

49 12/18/02 VKM
Building ~~27~~ was constructed in 1971 (*Capital Assets Management Process, CAMP Report, FY96*). The building has been used for the same purpose since construction. Production activities using energetic materials have occurred in the building. Research, development and testing activities using radioactive materials have not occurred. (*Mound Facility Physical Characterization*, 12-1-93).

9.50.3 Summary of Findings

Building 49 has undergone Safe Shutdown which includes removal of wastes and other materials plus equipment which cannot be released. A health physics safety determination and a liabilities assessment was made. An Environmental Site Assessment (ASTM E 1527-94 or ASTM E 1528-93) was not conducted. The building has been leased by the Department of Energy to the City of Miamisburg which accepted the liabilities assessment. The General Purpose Lease between the DOE and the City of Miamisburg requires the sub-lessee to obtain and comply with regulatory agency permits.

F1 of 2

Photographs were taken to document the building. They are included as Attachment 2 (Section 9.71.4.2). Since the building has been leased, an EAC was not prepared and no further action was taken concerning this building.

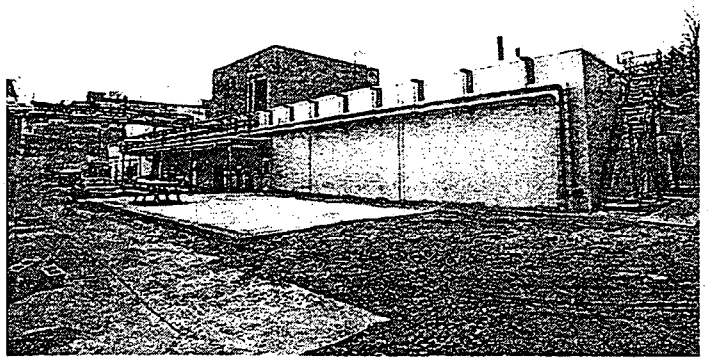
Appendix G

Radiological Information

Final Status Report

For

Building 49



Prepared by: Roderick C. Case / Date: February 3, 2003

Reviewed by: Robert M. Cobbentz / Date: 02/03/2003

Approved by: Dan Riley / Date: 02/03/03

1.0 Historical Review

Building 49, named the Timer Fabrication Facility, is located in the Test Fire Area, in the plant valley. It was constructed in 1970 with 28 rooms, including two numbered corridors, a penthouse utility room, air lock, restroom and change room facilities, and a janitorial closet. The exterior walls of the building are constructed of reinforced 12" concrete block, with the exception of a pressure test cell that was constructed of concrete, and equipped with a blowout wall. . Unlike the other buildings in this area, Building 49 was not strictly a testing facility, because it contained process operations, as well as testing facilities.

The building's one addition, the "Trident II Building 49 Renovation" was constructed in 1988. This addition, based upon available information, was utilitarian in nature, intended to supplement, or to enhance Building 49 and Mound's capabilities as related to the non-nuclear detonator and explosives mission element of the facilities mission. Building 49 stands today as a one-story building with two roof-mounted penthouse rooms. Building 49 contains 14,929 square feet.

Building 49 was used for the same purpose for which it was constructed (explosives related production and staging) throughout its history. At the time the environmental assessment report was prepared, in 1996, Building 49 was being operated by private industry, under a lease agreement.

Based upon the historical information, Building 49 contained a Health Physics Control Area (HPCA) since there were radioactive sources located in Room 124 that were used for calibrating health physics instrumentation. The sources were primarily plated disc plutonium-238 plutonium-239, and may have included Americium-241 and cesium sources. It is not clear why this equipment was located in Building 49 or what relevance it had to the building's main mission except that it is noted that Room 124 was also an electronics repair room and would have been suitable for health physics instrument calibration.

An 8' by 12' solvent storage shed is located about 120 feet north-northeast of Building 49. This shed is a metal structure that was constructed in 1985 and used as a solvent supply and storage facility for Building 49 processes. The solvent shed is equipped with a ventilation fan and a metal-grid floor with an underlying catch basin. The solvents were piped directly from drums into Building 49, then emptied into a drain that was piped back to the solvent shed, where these materials were then collected in a 55-gallon waste drum. According to the 2001 sampling and analysis report, an earlier shed existed in the area where the Trident II addition was constructed.

Building 49 is currently unoccupied and is scheduled for demolition in accordance with the Mound Exit plan. A complete structural and operational history can be found in Reference 1.

2.0 Survey Objectives

Building 49 has not been used for any purpose other than as energetic materials processing facility. No radiological process systems were ever a part of the facility. However, radioactive materials in the form of calibration standards (sources) were used

in the Electronic Room (Room 124). For this reason, Room 124 is classified as a Class 3 survey unit in accordance with Reference 2.

The remaining sections of Building 49 including the solvent shed are classified as non-impacted based on history and use. An assessment of residual radioactive contamination of Building 49 structural surfaces will be performed to support these classifications.

The objective of this survey plan is to determine whether or not the residual radioactivity of the surfaces of building materials associated with Building 49 satisfy the site release criteria. This is accomplished by measuring the fixed and removable contamination on building surfaces and performing isotopic analysis on any sediment found in building drains. The survey data is compared to the release criteria of DOE Order 5400.5 using methods defined in Reference 2. The specific survey objectives are outlined in each Survey Plan Form (see Enclosures).

Table 1 lists the permissible surface contamination guideline values as stated in DOE Order 4500.5. These limits are the Derived Concentration Guidelines (DCGL's) for building and structure release.

Table 1

Allowable Total Residual Surface Contamination (dpm/100cm^2)*				
Radionuclides*		**Average***	**Maximum***	**Removable***
Group 1	Transuranics, I-125, I129, Ra-226, Ac-227, Ra-228, Th-228, Th-230, Pa-231	**100**	**300**	**20**
Group 2	Th-Natural, Sr-90, I-126, I-131, I-133, Ra-223, Ra-224, U-232, Th-232	**1,000**	**3,000**	**200**
Group 3	U-Natural, U-235, U-238 and associated decay products, alpha emitters	**5,000**	**15,000**	**1,000**
Group 4	Beta-gamma emitters (Radionuclides with decay modes other than alpha emission or spontaneous fission) except for Sr-90 and others noted above	**5,000**	**15,000**	**1,000**
Tritium		**N/A**	**N/A**	**10,000**

* Note: Refer to DOE Order 5400.5, Radiation Protection of the Public and the Environment, for specific information on surface contamination guidelines and additional notes.

The average activity levels shown in Table 1 assumes that the residual contamination is uniformly distributed across the survey unit and is the $DCGL_w$ for this survey. The maximum activity shown in Table 1 represents the Elevated Measurement Comparison

($DCGL_{emc}$) for small (<100cm^2) areas of activity that may be observed in the survey unit while scanning.

2.1 Survey Design

The characterization survey was designed to evaluate the building internal and external surfaces. The areas were arranged into survey units based on the building history and the potential for residual contamination in accordance with Reference 2.

Room 124 floor was classified as a Class 3 area and was designated as Survey Unit 1. Since the variability is expected to be small within the survey unit, the Type I error chosen is $\alpha = 0.05$ and the Type II error is $\beta = 0.01$. The number of data points is determined by calculating the relative shift (Δ/σ) from the DCGL value, the lower bound of the gray region (LBGR), and the standard deviation (σ) of the contaminant in the survey unit (Δ/σ = DCGL-LBGR/σ). For this survey plan, the LBGR is set at 50% of the $DCGL_w$. The standard deviation was estimated to be 17dpm/100cm^2 and the relative shift was calculated as 2.95. The required number of data points ($n = 20$) was obtained from Table 5.5, Reference 2. Ten percent of the surface area was scanned for alpha contamination.

The remainder of the building internal surface is considered non-impacted and is designated as Survey Unit 2. Twenty (20) judgmental data points are placed throughout the survey unit and are broadly representative of the survey unit. Hallways and major walkways throughout the building were scanned for alpha contamination.

The building external surface is considered non-impacted and is designated as Survey Unit 3. Ten (10) judgmental data points were placed on the roof area and ten (10) judgmental data points were located on exterior walls.

The detached solvent storage shed is non-impacted. Fifteen (15) judgmental data points were placed in the shed interior and eight (8) judgmental data points were placed on the shed exterior surfaces.

Sediment samples were collected from floor drains, sinks, and roof drains. If no sediment was available in these areas, smears were obtained for isotopic analysis. Loose surface contamination was measured by smearing an area of 100cm^2 at each data point. Smears were counted for gross alpha/beta activity. Removable tritium contamination was measured on interior surfaces by liquid scintillation counting of coin smears.

Replicate surveys were performed in accordance with Reference 3.

The instruments selected for this survey were the Ludlum 2350-1 data logger with a 43-20 hand-held gas flow proportional (GFP) detector and a 43-37 GFP large area floor probe for alpha measurements. A Ludlum 2360 with an L 43-89 scintillation probe was used for beta measurements in accordance with Reference 4. Laboratory instruments used were appropriate for the analysis requested. Instrument calibration and source check data is documented in accordance with Mound procedures.

2.2 Survey Data

The gross alpha and beta fixed point measurements from Survey Unit 1 were averaged and compared to the $DCGL_w$. None of the fixed point results were greater than the $DCGL_w$, therefore the Sign Test was not utilized. The alpha and beta fixed point measurements for Survey Unit 2 were all less than the $DCGL_w$. All of the judgmental

survey points and scans were less than the $DCGL_w$. A graphical representation of the average total activity for each survey unit is shown in Attachment 2.

Three of the gross alpha measurements on the roof and three alpha measurements on the exterior walls (Survey Unit 3) were in excess of the $DCGL_w$. The highest observed activity on the roof was 166dpm/100cm^2 and on the wall was 406dpm/100cm2. These areas were sampled by intrusive methods (acid etching) to determine the radionuclide(s) present. The majority (95%) of the observed alpha activity was found to be short lived. Of the remaining activity, the major activity contributor is Po^{210} (~96%), which is present in the background and is associated with iron oxides (rust) on external surfaces. When corrected for short lived activity and Po^{210}, the highest alpha reading on the roof is 92 dpm/100cm^2 and the highest alpha reading on the walls is 69 dpm/100cm^2.

The following table shows the net results of the maximum and average total (fixed and removable) alpha and beta activity for each area.

Total Activity Results

Area	Alpha (dpm/100cm^2)			Beta (dpm/100cm^2)		
	Max	Average	±σ	Max	Average	±σ
Survey Unit 1	24	-.043	8.65	408	284.8	68.2
Survey Unit 2	44	8.85	12.97	804	155.6	260.3
Survey Unit 3	92	43.0	33.2	856	350.5	230.4
Solvent Shed	56	21.1	17.9	476	145.5	185.0

The removable alpha and beta surface activity results are shown below. All results were significantly less than the $DCGL_w$.

Removable Alpha & Beta Activity Results

Area	Alpha (dpm/100cm^2)			Beta (dpm/100cm^2)		
	Max	Average	±σ	Max	Average	±σ
Survey Unit 1	4.0	0.5	1.1	3.8	1.9	1.3
Survey Unit 2	1.99	.20	0.61	6.4	2.16	1.81
Survey Unit 3	2.19	0.66	1.03	5.48	2.29	1.59
Solvent Shed	3.7	0.47	0.95	5.8	1.30	1.74

The highest removable tritium activity was 24.53 dpm/100cm2 (RSDS# 02-TF-1658). The average removable tritium was 1.08 dpm/100cm2 (±3.29).

Ten percent of the Class 3 areas and all hallways and walkways were scanned for alpha activity. The highest alpha measurement observed by scanning these survey units was 11dpm/100cm^2.

2.3 Sediment Sample Data

Sediment (or liquid) samples were obtained from floor drains, sinks, and roof drains. A smear was obtained if no material was present at the sample location. Sediment and smear samples were analyzed for gross alpha, beta and tritium activity in accordance with the survey plan (See RSDS # 03-TF-0003). No activity was observed in any sample above the screening levels (Screening level for tritium = 1000 nCi/L; Screening level for gross alpha/beta = 4 dpm/ml).

2.4 Quality Control

Quality control measurements were taken to ensure the quality of the data. Six data points were selected at random from the sample group of 54 data points. The highest and lowest alpha measurements and corresponding beta measurements were selected from each survey unit. Replicate measurements were taken at these locations using the same instruments and performed in the same manner as the original survey. The acceptance criterion for fixed-point measurements is that the variance in the measurements of the original sample population is within a factor of two of the variance in the replicate samples (at 95% confidence level). Negative beta values occur when the measured value is below the instrument background level. These values are used for this analysis to show the true variability of the data set. The results of the replicate surveys are shown in the following table:

Replicate Analysis Results

Location #	Alpha (dpm/100cm^2)			Beta (dpm/100cm^2)		
	Initial	$\pm 2\sigma$	Replicate	Initial	$\pm 2\sigma$	Replicate
JFP-02	166	25.77	74	152	24.66	496
JFP-09	46	13.56	11	516	45.43	600
JFP-12	17	8.25	11	616	49.64	892
JFP-16	406	40.30	401	42	12.96	424
FFP-05	24	9.80	17	200	28.28	588
FFP-09	-8	5.66	0	260	32.25	452
JFP-07	-2	2.83	0	400	40.00	776
JFP-17	44	13.27	6	12	6.93	352
Variance (S^2)	19620.84		19006.29	47774.79		33647.71
Ratio			1.032334			1.419852
Agreement			Yes			Yes

Replicate analysis were not performed on smears since the analysis for tritium is a destructive process. Quality control procedures, blanks, and spikes are a part of the laboratory quality control program at Mound. Participation in the DOE/EML inter-laboratory quality assurance program provides acceptable assurance of nuclide identification reliability and ensures a high quality of sample results. Since a relatively small number of samples were taken for this survey, additional replicate analysis is not required for this survey.

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Field instrumentation is source checked each day prior to use and again at the completion of survey activities for that day. A known source is placed in a source holder to ensure a reproducible geometry is achieved. Acceptance criteria is ± 20% of the initial source response following calibration. Results are documented in accordance with Mound Radiological Control procedures. Laboratory instrumentation is source checked and documented in accordance with Mound Laboratory procedures.

2.5 Conclusion

The objective of this survey plan is to determine whether or not the residual radioactivity of the surfaces of building materials associated with Building 49 satisfy the site release criteria established by DOE Order 5400.5. This is accomplished by comparing the survey data to the release criteria using statistical methods as defined by the MARSSIM (Reference 2). Since all of the fixed point survey results are below the $DCGL_w$, the Sign test was not necessary. The scan survey results demonstrate that there are no elevated measurement areas above the $DCGL_{emc}$. No process related isotopes were found in sediment media above background values.

All of the DQO's for this survey plan have been met and no further surveys are required. The null hypothesis is rejected in favor of the alternate hypothesis in each survey unit. Building 49 meets the release criteria established by DOE Order 5400.5.

The following tables show the maximum fixed and removable activity on the inside and outside building surfaces.

Building 49 Survey Results

TYPE	RSDS	LOCATION	SURVEY RESULTS (dpm/100 cm^2) (Note 2)	SURFACE CONTAMINATION GUIDELINES (dpm/100 cm^2) (Note 1)	COMMENTS
Highest Alpha Smearable Activity	02-TF-1657	Interior Floor	3.8	20	
Highest Alpha Fixed Activity	03-TF-0002	Roof	92	100	
Highest Beta Smearable Activity	03-TF-0002	Roof	6.2	1000	
Highest Beta Fixed Activity	03-TF-0002	Exterior Wall	856	5000	
Highest Tritium Smearable Activity	02-TF-1658	Interior Wall	24.53	10,000	

Note 1: DOE Order 5400.5 (DCGLw)
Note 2: Corrected for background and/or Po210 interference

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3.0 Attachments and Enclosures

Attachment 1 – Survey Unit 1Grid Point Plots

Attachment 2 – Average Total Alpha and Beta Graph

Enclosure 1 – Sample Data Analysis Worksheets

Enclosure 2 – SPF 49-01

4.0 References

1. BWXTO, EC&AS Department, White Paper: *Building 49 Structural History and Process History Summary Background Document*, September 2001

2. NUREG 1575, Rev 1, Aug 2000, *Multi-Agency Radiation Survey and Site Investigation Manual*, (MARSSIM)

3. MARSSIM Implementing Procedures, *Field Quality Control for Building Contamination Surveys*, MD-80046, Op. 402

4. MD80036, Issue 29, Op. No. 30030, *Operation of the Ludlum 2360 Scaler/Ratemeter with Ludlum 43-89 Alpha/Beta Scintillator*, Section 6.3

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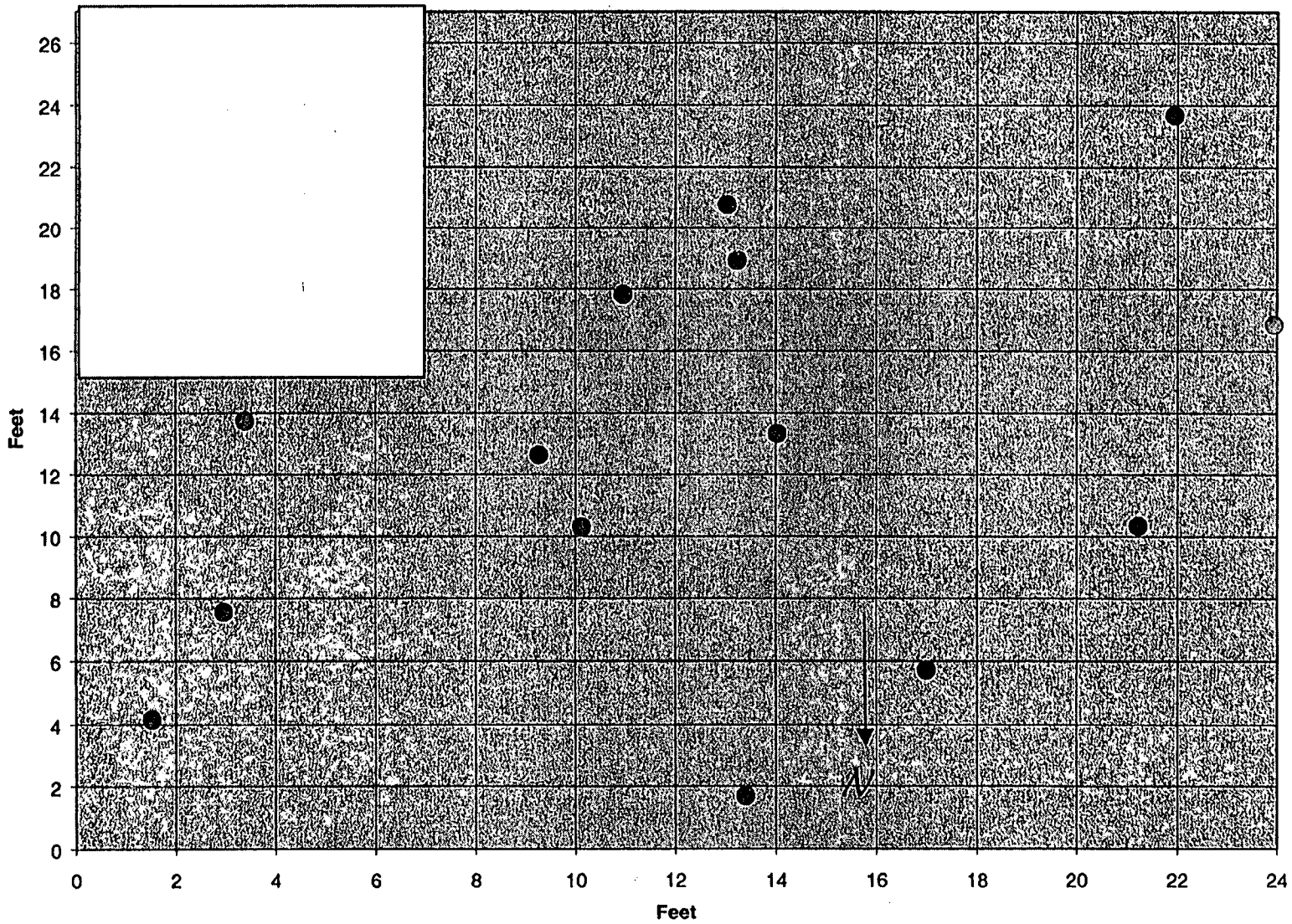
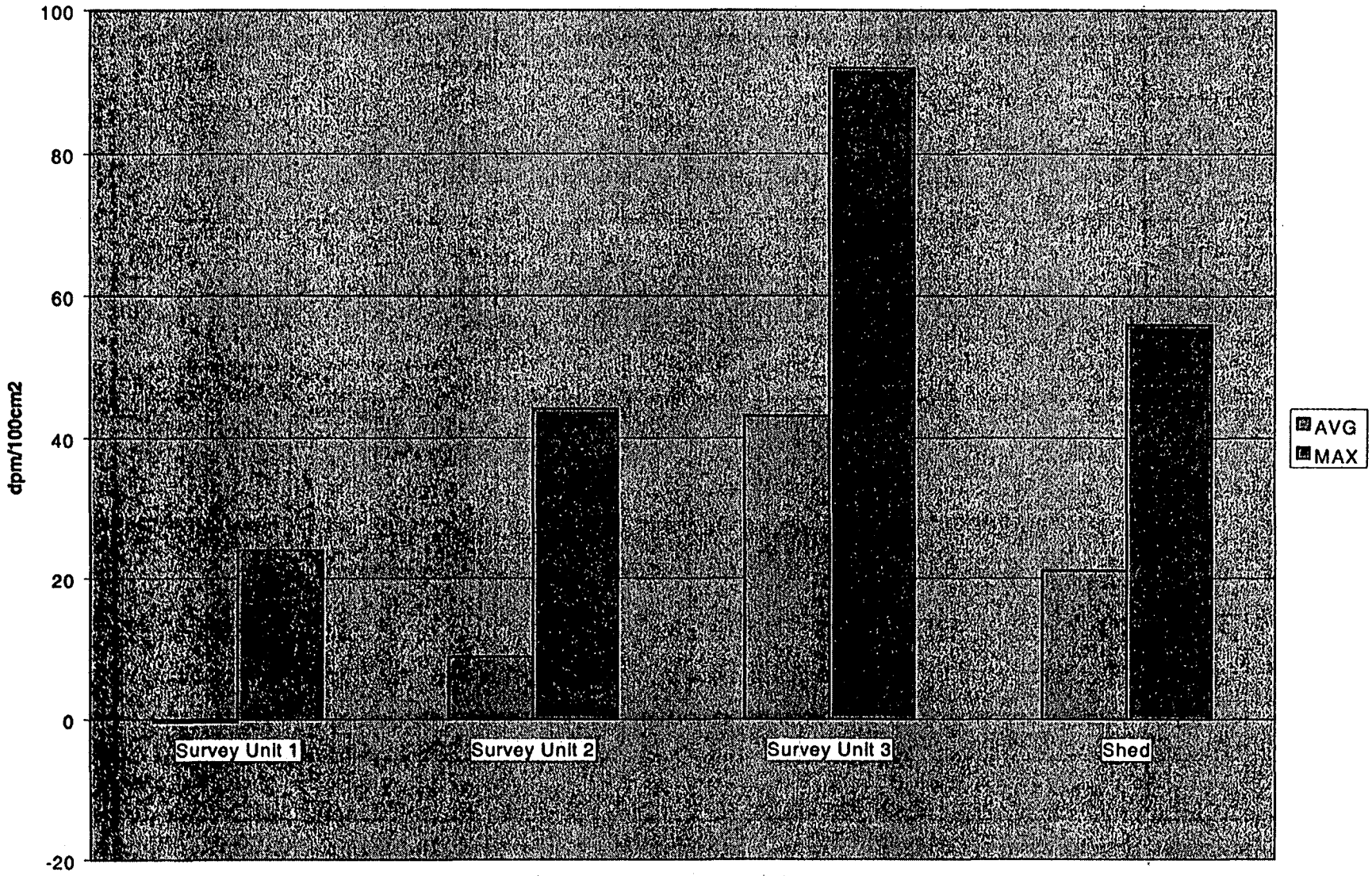
Survey Unit 1, Room 124 Data Points



File of 77

Building 49 Average & Maximum Total Alpha



SURVEY PLAN FORM

SP NUMBER	49-01	DATE OF REQUEST	December 11, 2002
TYPE OF SP	☐ FSS ☒ CHARACTERIZATION ☐ REFERENCE ☐ OTHER:		
AREA/LOCATION	Building 49		
PURPOSE	The purpose of this SP is to characterize Building 49 to support decisions on final disposition.		
SURVEY UNIT # 1	Room 124 Floors	SURVEY UNIT # 4	Exterior Surfaces
SURVEY UNIT # 2	Interior Building Surfaces	SURVEY UNIT	
SURVEY UNIT # 3	Roof and Penthouse Areas	SURVEY UNIT	

SAMPLE TYPE

☐ SURFACE SOIL SAMPLE:

☐ SUB-SURFACE SOIL SAMPLE:

☒ SEDIMENT SAMPLE: See specific sediment sampling instructions on page 3.

☐ Rubbelized Material:

☐ OTHER:

SURVEY TYPE

SURFACE SCAN	☐ BETA ☐ GAMMA ☒ ALPHA	INST. TYPE	L-2350	SCAN RATE & DETECTOR DISTANCE FROM SURFACE	Scan surface at a rate of 1" per second at a distance of not more than ¼" from surface
		PROBE TYPE	43-37 Floor Probe or 43-20 Hand Probe		
STATIC MEASURE-MENT	☐ BETA ☐ GAMMA ☒ ALPHA	INST. TYPE	L-2350	SCAN RATE & DETECTOR DISTANCE FROM SURFACE	Perform 1 minute counts at specified locations not more than ¼" from surface
		PROBE TYPE	43-20 Hand Probe		
STATIC MEASURE-MENT	☒ BETA ☐ GAMMA ☐ ALPHA	INST. TYPE	L 2360	COUNT TIME & DETECTOR DISTANCE FROM SURFACE	Refer to MD-80036, Issue 29, Op. No. 30030, *Operation of the Ludlum 2360 Scaler/Ratemeter with Ludlum 43-89 Alpha/Beta Scintillator*, Section 6.3
		PROBE TYPE	L 43-89		
DOSE RATE MEASURE-MENT	☐ BETA ☐ GAMMA ☐ ALPHA	INST. TYPE		DETECTOR DISTANCE FROM SURFACE	
		PROBE TYPE			

OTHER SURVEY TYPES OR COMMENTS

All surveys shall be performed and documented in accordance with Mound Radiological Control procedures.

Take photographs of survey units, if possible. Pay particular attention to grid markings or other identifying features. Date and label photos.

Rad Con shall document all discrepancies from the above sampling and surveying instructions on the Survey Plan Continuation Sheet.

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SP NUMBER	49-01	DATE OF REQUEST	December 11, 2002

SPECIFIC SAMPLING / SURVEY INSTRUCTIONS

Safety Considerations

1. Obtain assistance from the responsible building custodian for access to upper walls, ceilings, roof, etc. Exercise extreme caution when performing surveys from ladders or scaffolds. Follow appropriate site safety procedures when accessing areas requiring fall protection measures.
2. Ensure ventilation units are de-energized prior to attempting to collect a sample. Obtain approval and assistance from the responsible building custodian to dismantle any equipment for sample collection.

Data Point Location

1. Locate the data points in Survey Unit 1 using the coordinates shown in Attachment 2.
2. Mark each data point with tape or other non-permanent marking.
3. Document locations on the appropriate RSDS Map.

Loose Surface Contamination

1. Obtain a smear of 100cm^2 at each survey point identified above.
2. Count each smear for alpha, beta, and H^3. H^3 analysis is not required for building external surfaces.
3. Record location and results on RSDS map in accordance with Mound Rad Con procedures.

Floor Scan Measurements using a Ludlum 2350 with 43-37 alpha probe

1. Set the Ludlum 2350-1 datalogger to alarm at 75dpm/100cm^2 in the ratemeter mode.
2. Perform a floor scan of hallways and major walkways throughout the building.
3. Perform a scan of approximately 10% of the floor surface in Survey Unit 1.
4. Perform a 30 second integrated count at every location where an alarm is obtained. In addition, obtain a 30 second integrated count at any point where an audible or visual indication of elevated activity is observed at twice the background rate.
5. Record the location of the area scanned on the RSDS map and document the results of any integrated counts.

Static Measurements Using L 2350 with 43-20 (alpha) probe and L 2360 with 43-89 (beta) probe

1. Perform an alpha and beta count at each data point located in Survey Unit 1.
2. Perform an alpha and beta count on at least twenty (20) data points on the remaining interior surfaces of the building. Data points are selected by the surveyor and should be broadly representative of the entire survey unit.
3. Perform an alpha and beta measurement on at least ten (10) data points on the roof and penthouse areas. Data points are randomly selected by the surveyor and should be broadly representative of the entire survey unit.
4. Perform an alpha and beta measurement on at least ten (10) data points on the building exterior walls and exposed foundations. Data points are randomly selected by the surveyor and should be broadly representative of the entire survey unit
5. Record location, material type, and results on RSDS map in accordance with Mound Rad Con procedures.
6. Document gross activity for each location (No "<" values). Record instrument background at survey location.

Sediment Samples

1. Collect approximately 250ml of debris from each accessible ventilation unit opening, floor drain, roof gutter and any other area where debris has accumulated.
2. If insufficient material is present at these sample locations, obtain a representative smear of the location.
3. Document sample information and description of material on Attachment 1.

Specific Survey and Sampling Instructions (continued)

4. Label sample container with sample number, date and time of collection, and location in accordance with Mound procedures.
5. Show sample location on the RSDS map.
6. Submit sediment samples to laboratory for gamma spectroscopy analysis. Submit smears for gross alpha and beta analysis.
7. Additional intrusive samples may be collected in areas of elevated activity as determined by the MARSSIM Engineer.

Quality Control

1. QC measurements will be performed by re-surveying 2 data points in each survey unit. Data points selected for resurvey should include the highest and lowest readings in the survey unit.
2. Sediment samples or smears with measured activity above the MDA may be resubmitted for replicate analysis. Ensure alpha and beta smear results are obtained before performing H^3 analysis.
3. Record location, material, and results on RSDS in accordance with Mound Rad Con procedures.

APPROVAL SIGNATURES			
MARISSM Engineer	R. Case	DATE	December 11, 2002
Technical Reviewer	G. Tomlinson	DATE	12-12-02
Rad Con Manager	Danny K. Riley	DATE	12-12-02
SP CLOSE-OUT SIGNATURES			
MARISSM Engineer	R. Case	DATE	2-3-03
Technical Reviewer	R.M. Coblentz	DATE	2-3-03
Rad Con Manager	D.K. Riley	DATE	02-03-03
COMMENTS			

Field Sample Data Collection Sheet

Sheet 1 of 3

Attachment 1

Sample Number	Sample Date	Sample Time	Sample Volume /Weight	Sample Description	Sampled By	Chain of Custody Relinquished to Lab: Date	Time	Initials	Rec'd By
49-01-136-001	1-6-03	N/A	CONTAINER 200 mL	FLOOR DRAIN Liquid From DRAIN	[redacted]	1/13/03	1105	[redacted]	[redacted]
49-01-136-002									
49-01-136-003									
49-01-137-004									
49-01-134-005									
49-01-130-006									
49-01-135-007				SINK DRAIN Liquid					
49-01-103-008	1-7-03		GLASS CONTAINER	SOLVENT DRAIN Liquid					
49-01-103-009				SINK DRAIN Liquid					
49-01-115-010				SINK DRAIN Liquid					
49-01-115-011									
49-01-115-012									
49-01-115-013		N/A		FLOOR DRAIN Liquid	[redacted]	1/13/03	1105		

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Field Sample Data Collection Sheet

Sheet 2 of 3

Attachment 1

Sample Number	Sample Date	Sample Time	Sample Volume Weight	Sample Description	Sampled By	Chain of Custody Relinquished to Lab: Date	Time	Initials	Rec'd By
49-01-133-014	1-7-03	N/A	250 mL Poly container	FLOOR DRAIN Liquid	MK [redacted]	1/13/03	1105	MK	[redacted]
49-01-122-015									
49-01-117-016				Shower DRAIN Sediment					
49-01-117-017				~~Sed~~ 11/15/02 FLOOR DRAIN Liquid					
49-01-107-018				SOLVENT DRAIN Liquid					
49-01-107-019				SINK DRAIN Liquid					
49-01-110-020			GLASS CONTAINER	SOLVENT DRAIN Liquid					
49-01-110-021			250 mL Poly container	SINK DRAIN Liquid					
49-01-136-022				FLOOR DRAIN Sediment					
49-01-291P-023				FLOOR DRAIN Liquid					
49-01-118-024	1-7-03	N/A	Smear	SINK DRAIN Smear	MK [redacted]	1/13/03	1105	MK	
49-01-									
49-01-									

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Field Sample Data Collection Sheet

Sheet 3 of 3

Attachment 1

Sample Number	Sample Date	Sample Time	Sample Volume /Weight	Sample Description	Sampled By	Chain of Custody Relinquished to Lab			
						Date	Time	Initials	Rec'd By
49-01-RF01-025	1-21-03	N/A	≈ 100gm	RUBBER ROOFING	MOR [redacted]	1/21/03	1500	MGK	BJ [redacted]
49-01-RF02-026			≈ 100gm						
49-01-RF08-027			≈ 100gm						
49-01-EXT11-028			≈ 30ml	ACID ETCH EXTERIOR WALL					
49-01-EXT16-029			≈ 30ml						
49-01-EXT18-030	1-21-03	N/A	≈30ml		MOR [redacted]	1/21/03	1500	MGK	—
49-01-									
49-01-									
49-01-									
49-01-									
49-01-									
49-01-									
49-01-									

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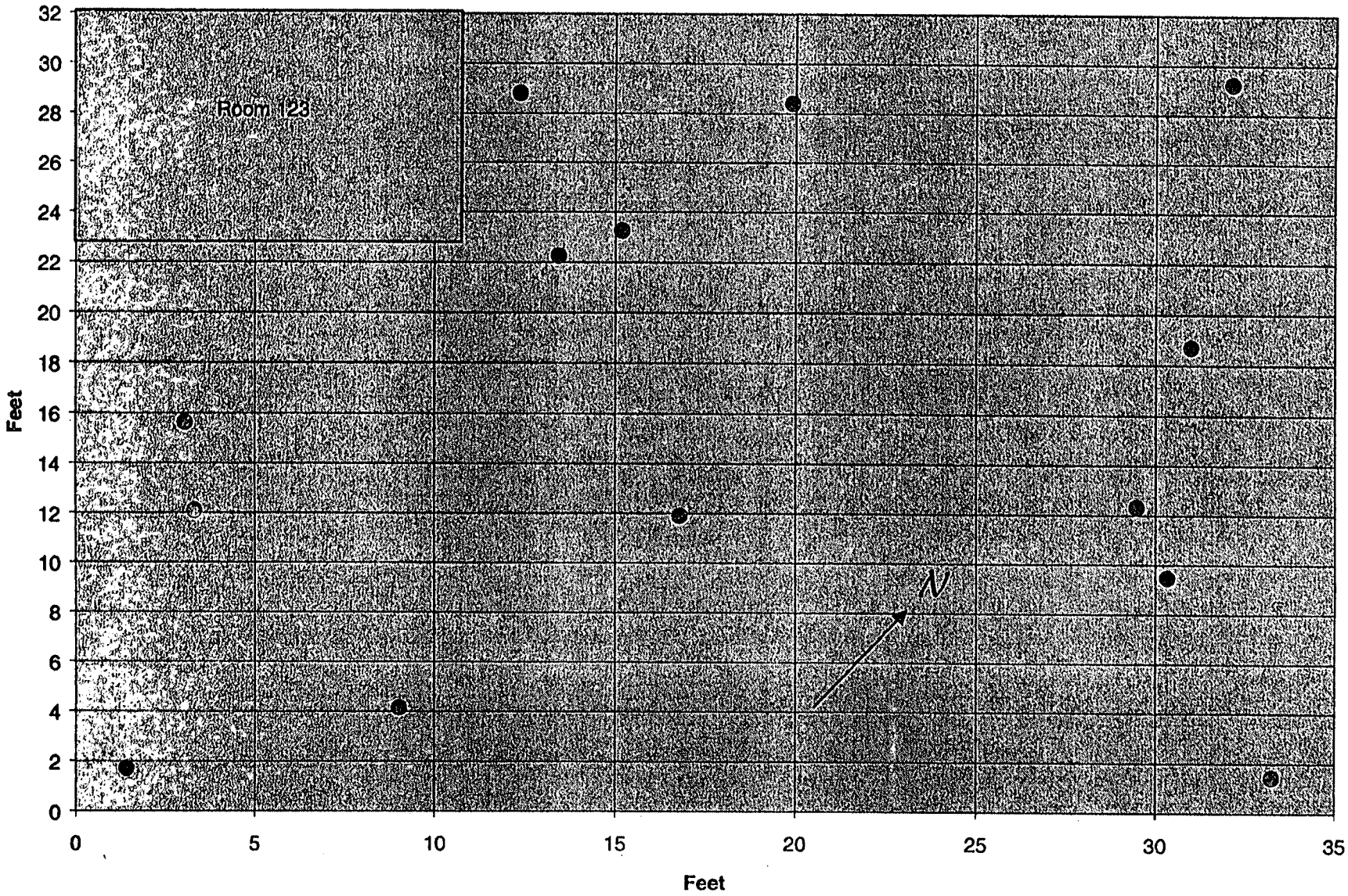
Survey Unit 1, Room 124 Data Points



Room 124
Coordinates in Feet
from Origin
(South Corner)

x	y
20	28
32	29
13	22
15	23
17	12
33	1
1	2
29	12
9	4
3	12
31	19
3	16
12	29
30	9

RADIOLOGICAL SURVEY DATA SHEET

LOCATION: (BLDG. / ROOM / AREA)	BUILDING 49	SURVEY NO.	02-TF-1657
PURPOSE:	SURVEY UNIT 1 FLOOR DATA POINTS (INTEGRATED FIXED POINT MEASUREMENTS)	RWP NO.	N/A
		DATE:	12/17/02
		TIME:	15:00

MAP / DRAWING

β Background	201
β Conv. Factor	4

Location	β CPM	β dpm/100cm^2
FFP-01	282	324
FFP-02	281	320
FFP-03	284	332
FFP-04	276	300
FFP-05	251	200
FFP-06	294	372
FFP-07	260	236
FFP-08	303	408
FFP-09	266	260
FFP-10	236	140
FFP-11	274	292
FFP-12	269	272
FFP-13	271	280
FFP-14	264	252

Beta measurements taken with Ludlum 2360, Alpha measurements taken with Ludlum 2350 w/Ludlum 43-20 detector. Alpha activity listed on Page 3. Data Point loctions depicted on Page 4 and were taken in the order listed on Page 5. Smears taken at each measurement location.

Floor scans performed on >10% of floor surface. Scans conducted with Ludlum 2350 (S/N 5673) with Ludlum 43-37 detector (S/N 5676).

LEGEND:
= mrem/hr (γ) whole body
#E = mrem/hr (β+η+γ) extremity on contact
K = factor of 1000
— · — · — = radiological boundary
△# = mrem/hr neutron
= air sample number
(#) = swipe number
(#/α) or /β = direct contamination measurement in dpm/100 cm^2

INSTRUMENTS USED

Instrument	Serial Number	Cal. Due Date
Ludlum 2350	5673 / 5143	8/13/03
Ludlum 2360	5706 / 5716	8/22/03

Completed by: (Signature)	K. Abercrombie	HP# [redacted]	Date: 1-13-03
Completed by: (Print Name)	MICHAEL J RUBADUE K. Abercrombie		
Counted by: (Signature)	SEE	HP#	Date:
Counted by: (Print Name)	ATTACHED		
Reviewed/Approved by: (Signature)	RMCoblentz	HP# [redacted]	Date: 01/15/03
Reviewed/Approved by: (Print Name)	RMCoblentz		

ML-9620 (2-98) Computer Generated

Survey No. 02-TF-1657

RADIOLOGICAL SURVEY DATA SHEET (cont.)

Removable Contamination				
Swipes (dpm/100cm²)				
Sample #	β/γ	Alpha	Tritium	Comments
1	SEE ATTACHED			FFP-01
2				FFP-02
3				FFP-03
4				FFP-04
5				FFP-05
6				FFP-06
7				FFP-07
8				FFP-08
9				FFP-09
10				FFP-10
11				FFP-11
12				FFP-12
13				FFP-13
14	SEE ATTACHED			FFP 14
			N/A	
	N/A			

Removable Contamination				
Swipes (dpm/100cm²)				
Sample #	β/γ	Alpha	Tritium	Comments
			N/A	
	N/A			

COMMENTS: N/A

NOTES:
1. See MD-80036 10002 for calculations of WB, extremity and skin dose rates.
2. To request RO Count Room analysis for β/γ, alpha or tritium, leave column blank. Mark column N/A if not needed. If count room printout of results are attached, write "see attached" in column.
3. Annotate special sample type (e.g., soil, water), special identifiers or otherwise in Comments. If needed, mark N/A.

ML-9620A (4-98)

BUILDING - 49 MARSSIM SURVEY

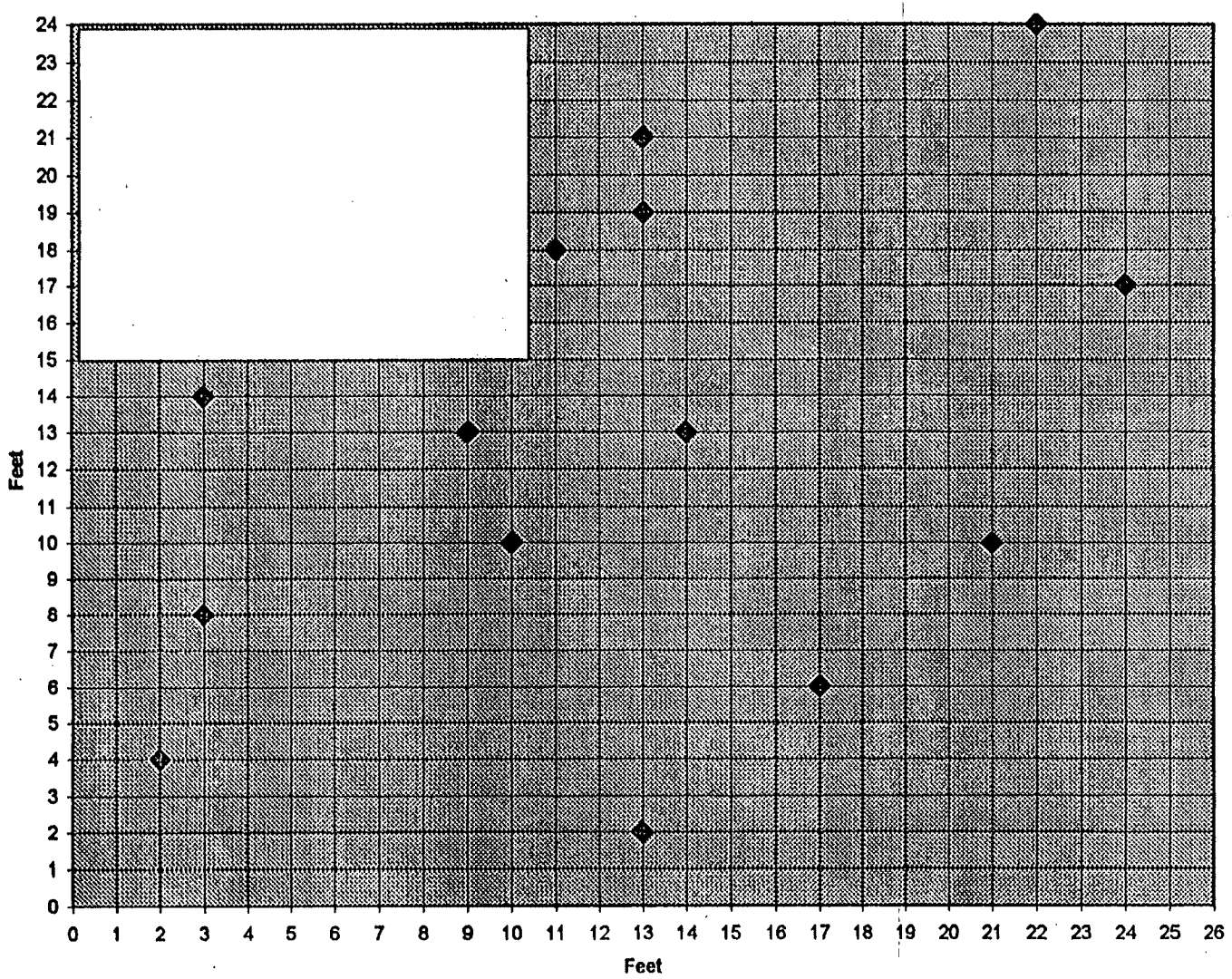
RSDS# 02-TF-1657 RCT: MGL RCT: KA

43-20 BKG:	1.2	EFF:	0.172	PROBE AREA:	181	cm	Surface Eff:	0.5	
43-37 BKG:	4.6	EFF:	0.212	PROBE AREA:	584	cm	Surface Eff:	0.5	

LOCATION	2350#	RCT ID	PROBE	DET #	ITEM #	DATE	TIME	ALPHA CNTS	CT TIME	ALPHA dpm/100cm2
SRC BKGD	5673	[redacted]	5676	3	7	12/17/02	9:58:40	23	300	0
SRC CHECK	5673	[redacted]	5676	3	8	12/17/02	10:02:26	2109	60	3399
SRC CHECK	5673	[redacted]	5676	3	9	12/17/02	10:04:16	2137	60	3445
SRC CHECK	5673	[redacted]	5676	3	10	12/17/02	10:06:40	2107	60	3396
SRC CHECK	5673	[redacted]	5676	3	11	12/17/02	10:08:50	2122	60	3420
SRC CHECK	5673	[redacted]	5676	3	12	12/17/02	10:10:58	2015	60	3248
SRC CHECK	5673	[redacted]	5676	3	13	12/17/02	10:12:50	2165	60	3490
SRC BKGD	5673	[redacted]	5143	2	14	12/17/02	10:19:42	6	300	0
SRC CHECK	5673	[redacted]	5143	2	15	12/17/02	12:51:38	2171	60	13939
SRC CHECK	5673	[redacted]	5143	2	16	12/17/02	12:53:22	2243	60	14402
SRC CHECK	5673	[redacted]	5143	2	17	12/17/02	12:55:22	2060	60	13226
SRC CHECK	5673	[redacted]	5143	2	18	12/17/02	12:56:50	2095	60	13451
49SU1 FFP-01	5673	[redacted]	5143	2	19	12/17/02	13:28:52	0	60	-8
49SU1 FFP-02	5673	[redacted]	5143	2	20	12/17/02	13:33:06	1	60	-1
49SU1 FFP-03	5673	[redacted]	5143	2	21	12/17/02	13:35:18	1	60	-1
49SU1 FFP-04	5673	[redacted]	5143	2	22	12/17/02	13:37:06	0	60	-8
49SU1 FFP-05	5673	[redacted]	5143	2	23	12/17/02	13:38:46	5	60	24
49SU1 FFP-06	5673	[redacted]	5143	2	24	12/17/02	13:41:08	0	60	-8
49SU1 FFP-07	5673	[redacted]	5143	2	25	12/17/02	13:43:02	1	60	-1
49SU1 FFP-08	5673	[redacted]	5143	2	26	12/17/02	13:44:48	0	60	-8
49SU1 FFP-09	5673	[redacted]	5143	2	27	12/17/02	13:46:38	0	60	-8
49SU1 FFP-10	5673	[redacted]	5143	2	28	12/17/02	13:48:42	1	60	-1
49SU1 FFP-11	5673	[redacted]	5143	2	29	12/17/02	13:50:26	2	60	5
49SU1 FFP-12	5673	[redacted]	5143	2	30	12/17/02	13:52:10	1	60	-1
49SU1 FFP-13	5673	[redacted]	5143	2	31	12/17/02	13:53:48	2	60	5
49SU1 FFP-14	5673	[redacted]	5143	2	32	12/17/02	13:55:36	2	60	5
SRC BKGD	5673	[redacted]	5143	2	33	12/17/02	14:08:04	7	300	1
SRC CHECK	5673	[redacted]	5143	2	34	12/17/02	14:14:28	2167	60	13914
SRC CHECK	5673	[redacted]	5143	2	35	12/17/02	14:16:06	2113	60	13567
SRC CHECK	5673	[redacted]	5143	2	36	12/17/02	14:17:32	2091	60	13425
SRC CHECK	5673	[redacted]	5143	2	37	12/17/02	14:19:18	2178	60	13984
SRC BKGD	5673	[redacted]	5676	3	38	12/17/02	14:26:14	14	300	-3
SRC CHECK	5673	[redacted]	5676	3	39	12/17/02	14:28:50	2036	60	3282
SRC CHECK	5673	[redacted]	5676	3	40	12/17/02	14:30:08	1982	60	3194
SRC CHECK	5673	[redacted]	5676	3	41	12/17/02	14:31:26	2097	60	3380
SRC CHECK	5673	[redacted]	5676	3	42	12/17/02	14:32:52	2050	60	3304
SRC CHECK	5673	[redacted]	5676	3	43	12/17/02	14:34:14	2108	60	3398
SRC CHECK	5673	[redacted]	5676	3	44	12/17/02	14:35:38	2177	60	3509

G-230677

BUILDING 49 SURVEY UNIT 1 DATA POINT LOCATIONS



N

BUILDING 49 SURVEYUNIT 1 DATA POINT LOCATIONS
COORDINATES IN FEET
ORIGIN IN NORTHEAST CORNER

X	Y
3	14
3	8
24	17
10	10
13	2
11	18
22	24
2	4
14	13
13	19
9	13
17	6
21	10
13	21

Smear Analysis

Unit Type: LB4100/W
Counting Unit ID: Red
Data file name: SMEAR033
Batch Ended: 12/19/02 14:54

Crosstalk correction performed.

Batch ID: 02-TF-1657 BECKER A/B (14) AG

Recalibration Date: 6/7/04
Serial Number: 26966-2

Detector ID	Sample ID	Alpha Activity			Beta Activity		
		DPM	σ	flags	DPM	σ	flags
A1	1	3.8	3.0		0.6	2.0	
A2	2	0.0	2.2		0.0	1.5	
A3	3	0.0	2.0		0.8	1.8	
A4	4	0.0	2.0		0.2	1.8	
B1	5	0.0	2.0		0.0	2.3	
B2	6	0.0	2.0		1.4	2.4	
B3	7	0.0	1.9		3.3	2.7	
B4	8	0.0	1.9		0.4	1.8	
C1	9	0.0	2.0		0.0	1.3	
C2	10	0.0	2.0		1.1	1.9	
C3	11	1.7	1.9		0.9	1.7	
C4	12	1.6	1.9		2.1	2.1	
D1	13	0.0	2.3		0.0	1.4	
D2	14	0.0	2.2		2.6	2.7	

MOL MOL

Brenda Stringer 12-20-02

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PAGE 6 of 1

19 Dec 2002 17:43 ALPHA/BETA - 1.09 Page #1
Protocol #: 5 Pw H3 #403728 User : 2138

T-419

Time: 2.00
Data Mode: DPM Nuclide: SMGL02 Quench Set: SMGL02
Background Subtract: 1st Vial

	LL	UL	LCR	2SZ	BKG
Region A:	0.5 -	18.6	0	0.0	10.92
Region B:	2.0 -	18.6	0	0.0	10.04
Region C:	40.0 -	2000	0	0.0	5.30

Quench Indicator: tSIE/AEC
Ext Std Terminator: Count
02-TF-1657 BECKER (J1-J14) AG
Luminescence Correction On
Coincidence Time(ns): 18
Delay Before Burst(ns): Normal
Protocol Data Filename: c:\data\proti.dat
Count Data Filename: c:\data\SDATA5.DAT
Spectrum Data Drive & Path: c:\data

S#	TIME	CPMA	LUM	FLAG	tSIE	DPM1	2Sigma	CPMC
-1	10.00	10.92	2	B	626.72		0.00	5.30
0	2.00	783.41	0		579.94	1583.38	124.63	1.70
1	2.00	0.00	0		577.41	0.00	0.00	2.20
2	2.00	0.00	0		596.56	0.00	0.00	2.20
3	2.00	0.00	0		454.27	0.00	0.00	0.20
4	2.00	0.00	0		570.40	0.00	0.00	0.00
5	2.00	0.00	0		542.40	0.00	0.00	0.00
6	2.00	0.00	0		531.61	0.00	0.00	0.00
7	2.00	0.00	0		428.20	0.00	0.00	1.70
8	2.00	0.00	0		468.95	0.00	0.00	2.20
9	2.00	0.00	0		440.27	0.00	0.00	0.00
10	2.00	0.00	0		535.04	0.00	0.00	0.00
11	2.00	0.00	0		439.93	0.00	0.00	0.70
12	2.00	0.00	0		572.77	0.00	0.00	0.00
13	2.00	0.00	0		417.64	0.00	0.00	3.82
14	2.00	0.00	0		439.09	0.00	0.00	0.70

MDL

Brenda Stringer 12-20-02

RADIOLOGICAL SURVEY DATA SHEET

LOCATION: (BLDG. / ROOM / AREA) BUILDING 49	SURVEY NO. 02-TF-1658
PURPOSE: REMAINDER OF INTERIOR SURFACES JUDGEMENTAL FIXED POINT MEASUREMENTS	RWP NO. N/A
	DATE: 12/19/02
	TIME: 13:00

MAP / DRAWING

β Background	201
β Conv. Factor	4

Location	β CPM	β dpm/100cm²	Description (Surface Material)
JFP-01	246	180	Floor (Tile)
JFP-02	398	788	North Wall (Concrete Block)
JFP-03	235	136	East Wall (Concrete Block)
JFP-04	185	-64	Floor (Tile)
JFP-05	240	156	Floor (Tile)
JFP-06	230	116	Floor (Tile)
JFP-07	301	400	North Wall (Concrete Block)
JFP-08	221	80	Floor (Tile)
JFP-09	402	804	West Wall (Concrete Block)
JFP-10	236	140	South Wall (Drywall)
JFP-11	184	-68	North Wall (Drywall)
JFP-12	255	216	Floor (Tile)
JFP-13	198	-12	Floor (Tile)
JFP-14	182	-76	North Wall (Concrete Block)
JFP-15	157	-176	North Wall (Drywall)
JFP-16	188	-52	North Wall (Concrete Block)
JFP-17	204	12	Floor (Tile)
JFP-18	215	56	Floor (Tile)
JFP-19	237	144	West Wall (Concrete Block)
JFP-20	284	332	Floor (Concrete)

Beta measurements taken with Ludlum 2360, Alpha measurements taken with Ludlum 2350 w/Ludlum 43-20 detector. Alpha activity listed on Page 3. Data Point loctions are shown on Page 4. Smears taken at each measurement location.

LEGEND:
= mrem/hr (γ) whole body
#E = mrem/hr (β+η+γ) extremity on contact
K = factor of 1000
— · — · — = radiological boundary
(#) = mrem/hr neutron
(#) = swipe number
[#] = air sample number
(#/α) or /β = direct contamination measurement in dpm/100 cm²

INSTRUMENTS USED

Instrument	Serial Number	Cal. Due Date
Ludlum 2350	5673 / 5143	8/13/03
Ludlum 2360	5706/5716	8/22/03

Completed by: (Signature) K. Abercrombie	HP# [redacted]	Date: 1-14-03
Completed by: (Print Name) MICHAEL J. KRABBE K. ABERCROMBIE		
Counted by: (Signature) SEE	HP#	Date:
Counted by: (Print Name) ATTACHED		
Reviewed/Approved by: (Signature) RM Coblentz	HP# [redacted]	Date: 01/15/03
Reviewed/Approved by: (Print Name) RM Coblentz		

ML-9620 (2-98) Computer Generated

RADIOLOGICAL SURVEY DATA SHEET (cont.)

Removable Contamination				
Swipes (dpm/100cm^2)				
Sample #	β/γ	Alpha	Tritium	Comments
1	SEE ATTACHED			JFP-01
2				JFP-02
3				JFP-03
4				JFP-04
5				JFP-05
6				JFP-06
7				JFP-07
8				JFP-08
9				JFP-09
10				JFP-10
11				JFP-11
12				JFP-12
13				JFP-13
14				JFP-14
15				JFP-15
16				JFP-16
17				JFP-17
18				JFP-18
19				JFP-19
20	SEE ATTACHED			JFP-20
N/A				

Removable Contamination				
Swipes (dpm/100cm^2)				
Sample #	β/γ	Alpha	Tritium	Comments
N/A				

COMMENTS: N/A

NOTES:
1. See MD-80036 10002 for calculations of WB, extremity and skin dose rates.
2. To request RO Count Room analysis for β/γ, alpha or tritium, leave column blank. Mark column N/A if not needed. If count room printout of results are attached, write "see attached" in column.
3. Annotate special sample type (e.g., soil, water), special identifiers or otherwise in Comments. If needed, mark N/A.

ML-9620A (4-98)

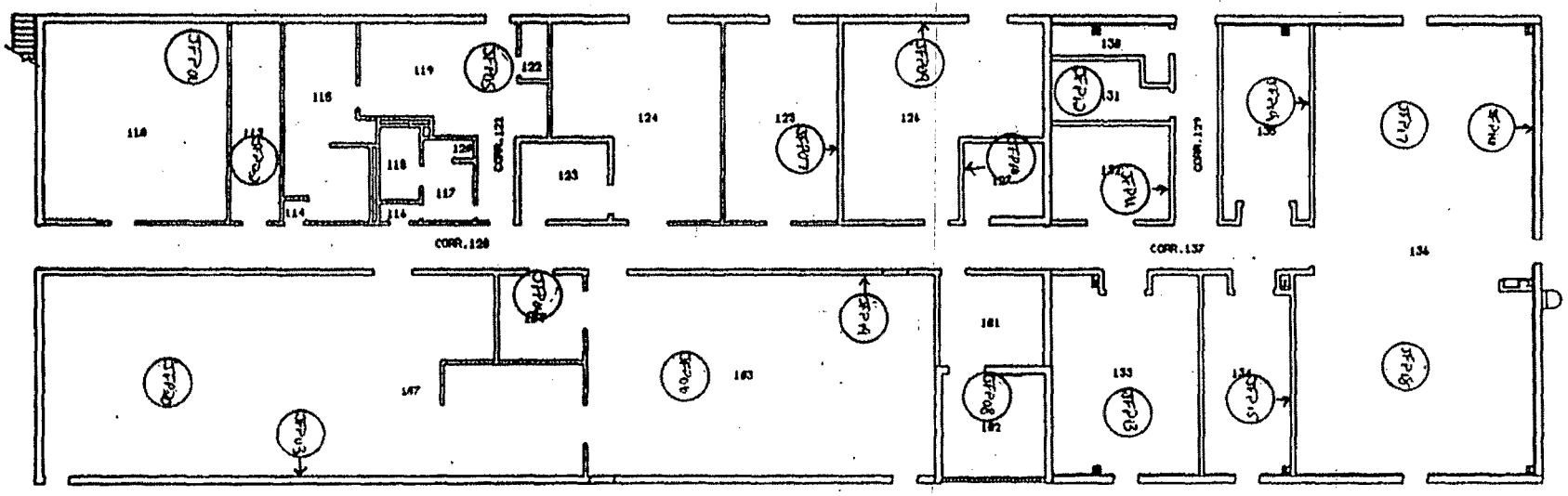
BUILDING 49 MARSSIM SURVEY

RSDS# C2TF-1058 RCT: MJR RCT: KA

43-20 BKG:	0.4	EFF:	0.193	PROBE AREA:	181	cm	Surface Eff:	0.5	
43-37 BKG:	4	EFF:	0.183	PROBE AREA:	584	cm	Surface Eff:	0.5	

LOCATION	2350#	RCT ID	PROBE	DET #	ITEM #	DATE	TIME	ALPHA CNTS	CT TIME	ALPHA dpm/100cm2
SRC BKGD	5673	[redacted]	5143	2	68	12/19/02	9:29:38	2	300	0
SRC CHECK	5673	[redacted]	5143	2	69	12/19/02	9:38:28	2111	60	12084
SRC CHECK	5673	[redacted]	5143	2	70	12/19/02	9:39:54	2201	60	12599
SRC CHECK	5673	[redacted]	5143	2	71	12/19/02	9:41:14	2026	60	11597
SRC CHECK	5673	[redacted]	5143	2	72	12/19/02	9:42:36	2145	60	12278
49RIS JFP-01	5673	[redacted]	5143	2	73	12/19/02	10:03:44	1	60	3
49RIS JFP-02	5673	[redacted]	5143	2	74	12/19/02	10:07:12	1	60	3
49RIS JFP-03	5673	[redacted]	5143	2	75	12/19/02	10:09:30	2	60	9
49RIS JFP-04	5673	[redacted]	5143	2	76	12/19/02	10:11:38	1	60	3
49RIS JFP-05	5673	[redacted]	5143	2	77	12/19/02	10:13:18	0	60	-2
49RIS JFP-06	5673	[redacted]	5143	2	78	12/19/02	10:15:26	1	60	3
49RIS JFP-07	5673	[redacted]	5143	2	79	12/19/02	10:18:42	0	60	-2
49RIS JFP-08	5673	[redacted]	5143	2	80	12/19/02	12:10:34	3	60	15
49RIS JFP-09	5673	[redacted]	5143	2	81	12/19/02	12:13:52	3	60	15
49RIS JFP-10	5673	[redacted]	5143	2	82	12/19/02	12:17:14	0	60	-2
49RIS JFP-11	5673	[redacted]	5143	2	83	12/19/02	12:19:34	5	60	26
49RIS JFP-12	5673	[redacted]	5143	2	84	12/19/02	12:21:14	6	60	32
49RIS JFP-13	5673	[redacted]	5143	2	85	12/19/02	12:23:32	4	60	21
49RIS JFP-14	5673	[redacted]	5143	2	86	12/19/02	12:26:00	1	60	3
49RIS JFP-15	5673	[redacted]	5143	2	87	12/19/02	12:27:54	0	60	-2
49RIS JFP-16	5673	[redacted]	5143	2	88	12/19/02	12:30:02	0	60	-2
49RIS JFP-17	5673	[redacted]	5143	2	89	12/19/02	12:31:32	8	60	44
49RIS JFP-18	5673	[redacted]	5143	2	90	12/19/02	12:34:20	0	60	-2
49RIS JFP-19	5673	[redacted]	5143	2	91	12/19/02	12:37:06	2	60	9
49RIS JFP-20	5673	[redacted]	5143	2	92	12/19/02	12:39:50	1	60	3
BKG CHECK	5673	[redacted]	5143	2	93	12/19/02	12:50:30	6	300	5
SRC CHECK	5673	[redacted]	5143	2	94	12/19/02	12:57:26	2099	60	12015
SRC CHECK	5673	[redacted]	5143	2	95	12/19/02	12:59:20	2237	60	12805
SRC CHECK	5673	[redacted]	5143	2	96	12/19/02	13:01:16	2045	60	11706
SRC CHECK	5673	[redacted]	5143	2	97	12/19/02	13:03:08	2057	60	11775

INK	DATE	REVISION	BY	CHKR	CHD	APVD	APVD	R
B	12/12/91	ASBUILT ISSUE	DCW				DVD	



JFPxx → INTEGRATED COUNT LOCATIONS

UNCLASSIFIED & NON-SENSITIVE
Reviewed by Mound Declassification Office. Reviewer Initials: Paul B. Dowd
Sr. Classification Consultant

UNCLASSIFIED

BLDG #49
FIRST FLOOR
BLDG CODE:3048

[redacted]

SHEET	1	2	3	4	5	6	TITLE	(U) TITLE CLASSIFICATION
ISSUE	B	B					BLDG #49 FLOOR PLANS	
PART CLASSIFICATION								
DRAWING CLASSIFICATION							SIZE C	DRAWING NUMBER FSC911259
								JOB NUMBER 12335
DRG TYPE SKP							BLDG #49	SCALE 1:48.65 SCALE AS NOTED SHEET 1 OF 2

TO- /12/ CRITERIA 13-V3

G3276 77

PAGE 1 OF 1

Smear Analysis

Unit Type: LB4100/W
Counting Unit ID: Aqua
Data file name: SMEAR003
Batch Ended: 1/14/03 9:25

Crosstalk correction performed.

Recalibration Date: 4/3/03
Serial Number: 26966-1

Batch ID: RUBADUE 03-TF-1658 (20)/BKS

Detector ID	Sample ID	Alpha Activity			Beta Activity		
		DPM	σ	flags	DPM	σ	flags
A1	1	0.00	2.11		0.00	1.93	
A2	2	0.00	2.13		0.00	1.90	
A3	3	0.00	1.96		0.00	1.80	
A4	4	0.00	1.95		0.00	1.94	
B1	5	0.00	2.06		0.00	1.88	
B2	6	0.00	2.19		0.00	2.37	
B3	7	0.00	1.84		0.76	1.82	
B4	8	0.00	1.94		0.00	1.79	
C1	9	0.00	2.11		0.00	1.46	
C2	10	0.00	2.06		0.00	1.58	
C3	11	0.00	2.04		0.86	1.90	
C4	12	0.00	1.94		1.09	2.23	
D1	13	0.00	2.18		0.00	1.44	
D2	14	0.00	2.09		0.68	1.90	
D3	15	0.00	2.00		0.06	1.90	
D4	16	1.29	2.03		0.00	1.34	
A1	17	1.50	2.15		4.91	3.19	
A2	18	0.00	2.14		1.10	2.30	
A3	19	0.00	1.95		0.00	1.33	
A4	20	0.00	1.95		0.00	1.53	

MR MR

Carol G. Robinson

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PAGE [illegible]

Protocol #: 1 Name:Pw H3 #401393 14-Jan-2003 10:10
Region A: LL-UL= 0.5-18.6 Lcr= 0 Bkg= 0.00 %2 Sigma=0.00
Region B: LL-UL= 2.0-18.6 Lcr= 0 Bkg= 0.00 %2 Sigma=0.00
Region C: LL-UL=40.0-2000 Lcr= 0 Bkg= 0.00 %2 Sigma=0.00
Time = 2.00 QIP = tSIE/AEC ES Terminator = Count
RUBADUE 02-TF-1658 (X1-X20) CYR
Conventional DPM
Nuclide 1 = 800
Luminescence Correction On
Data/Application Drive & Path = c:\data

SAMP	TIME	LUM	FLAG	CPMA	CPMB	CPMC	tSIE	DPM1	A:2S%
-1	10.00	12	B	3.20	3.23	5.40	687.		35.33
0	2.00	1		584.04	565.86	4.60	504.	1477.83	5.94
1	2.00	0		0.00	0.00	0.00	612.	0.00	0.00
2	2.00	14		0.26	0.25	0.00	656.	0.57	1215.
3	2.00	36		0.00	0.00	0.00	606.	0.00	0.00
4	2.00	16		0.00	0.00	0.00	399.	0.00	0.00
5	2.00	12		0.76	0.55	0.00	596.	1.73	441.0
6	2.00	0		2.30	0.37	0.00	565.	5.39	152.7
7	2.00	24		0.23	0.59	0.00	609.	0.52	1512.
8	2.00	0		0.80	0.52	0.00	596.	1.80	383.2
9	2.00	16		0.00	0.11	0.00	652.	0.00	0.00
10	2.00	17		2.23	2.09	0.00	658.	4.76	181.3
11	2.00	0		11.30	9.94	0.00	639.	24.53	48.72
12	2.00	0		0.00	0.00	0.00	586.	0.00	0.00
13	2.00	0		2.80	2.52	0.00	595.	6.35	130.4
14	2.00	33		0.20	0.07	0.00	648.	0.44	1868.
15	2.00	8		3.26	3.62	2.10	664.	6.91	123.8
16	2.00	22		0.73	1.09	1.10	612.	1.64	499.5
17	2.00	82		0.00	0.00	0.00	570.	0.00	0.00
18	2.00	10		1.76	1.54	1.10	571.	4.11	207.2
19	2.00	0		1.48	0.02	0.00	599.	3.35	220.5
20	2.00	7		3.76	2.71	0.00	477.	9.88	110.7

MR
Carol L. Robinson

RADIOLOGICAL SURVEY DATA SHEET

LOCATION: (BLDG. / ROOM / AREA) BUILDING 49	SURVEY NO. 02-TF-1659
PURPOSE: FLOOR SCAN OF HALLWAYS AND MAJOR WALKWAYS	RWP NO. N/A
	DATE: 12/18/02
	TIME: 1530

MAP / DRAWING

FLOOR SCAN PERFORMED ON HALLWAYS AND MAJOR WALKWAYS. INTEGRATED MEASUREMENTS TAKEN IN ACCORDANCE WITH SURVEY PLAN. MAP SHOWING SCAN PATH AND INTEGRATED COUNT LOCATIONS ON PAGE 3. FLOOR SCANS CONDUCTED WITH LARGE AREA PROBE (LUDLUM 43-37 DETECTOR).

LEGEND:
= mrem/hr (γ) whole body
#E = mrem/hr (β+η+γ) extremity on contact
K = factor of 1000
— · — · · = radiological boundary
△# = mrem/hr neutron
□# = air sample number
(#) = swipe number
(#/α) or /β = direct contamination measurement in dpm/100 cm²

INSTRUMENTS USED

Instrument	Serial Number	Cal. Due Date
Ludlum 2350	5673 / 5676	8/13/03

Completed by: (Signature) Patrick Beck K. Abercrombie	HP# [redacted]	Date: 1-14-03
Completed by: (Print Name) Patrick Beck K. Abercrombie		
Counted by: (Signature)	HP#	Date:
Counted by: (Print Name)		
Reviewed/Approved by: (Signature) RA Coblentz	HP# [redacted]	Date: 01/15/03
Reviewed/Approved by: (Print Name) RA Coblentz		

ML-9620 (2-98) Computer Generated

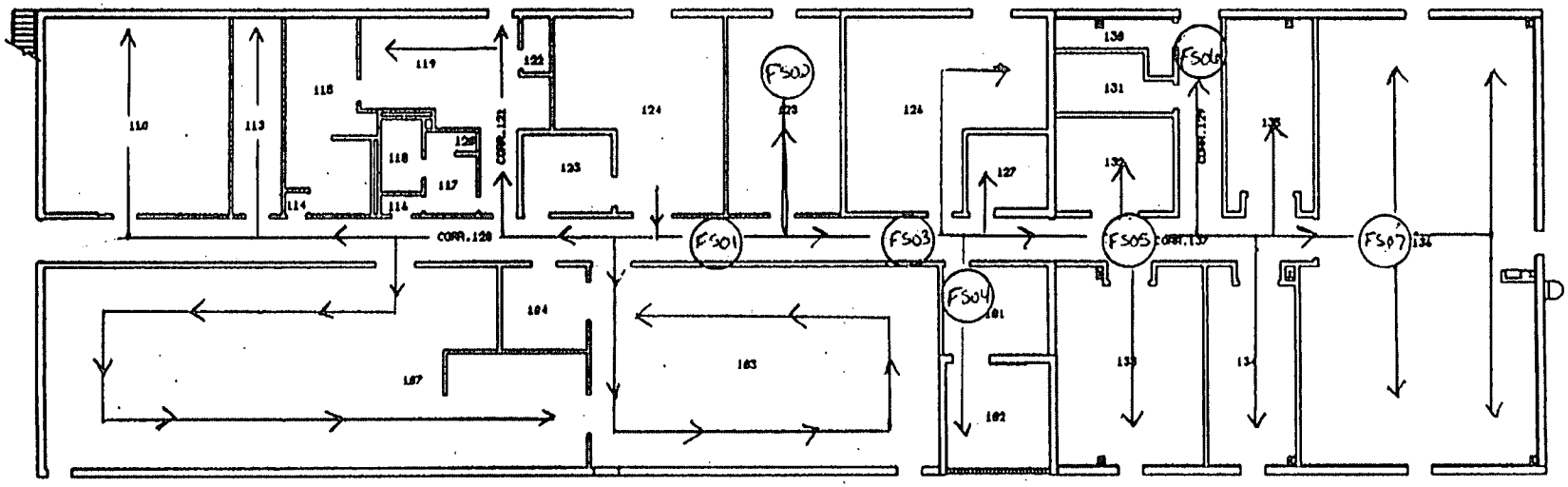
BUILDING 49 MARSSIM FLOOR SCAN SURVEY

RSDS# 02-TF-1659 RCT: PD RCT: KA

43-20 BKG:	1.2	EFF:	0.193	PROBE AREA:	181	cm	Surface Eff:	0.5	
43-37 BKG:	4	EFF:	0.183	PROBE AREA:	584	cm	Surface Eff:	0.5	

LOCATION	2350#	RCT ID	PROBE	DET #	ITEM #	DATE	TIME	ALPHA CNTS	CT TIME	ALPHA dpm/100cm2
SRC BKGD	5673	[redacted]	5676	3	47	12/18/02	13:29:02	21	300	0
SRC CHECK	5673	[redacted]	5676	3	48	12/18/02	13:32:06	2101	60	3924
SRC CHECK	5673	[redacted]	5676	3	49	12/18/02	13:33:24	2094	60	3911
SRC CHECK	5673	[redacted]	5676	3	50	12/18/02	13:34:44	2260	60	4222
SRC CHECK	5673	[redacted]	5676	3	51	12/18/02	13:36:04	2108	60	3937
SRC CHECK	5673	[redacted]	5676	3	52	12/18/02	13:37:38	2105	60	3932
SRC CHECK	5673	[redacted]	5676	3	53	12/18/02	13:38:58	2234	60	4173
49RIS FS-01	5673	[redacted]	5676	3	54	12/18/02	14:37:52	7	60	6
49RIS FS-02	5673	[redacted]	5676	3	55	12/18/02	14:41:04	6	60	4
49RIS FS-03	5673	[redacted]	5676	3	56	12/18/02	14:44:22	9	60	9
49RIS FS-04	5673	[redacted]	5676	3	57	12/18/02	14:47:16	7	60	6
49RIS FS-05	5673	[redacted]	5676	3	58	12/18/02	14:50:46	10	60	11
49RIS FS-06	5673	[redacted]	5676	3	59	12/18/02	14:56:26	6	60	4
49RIS FS-07	5673	[redacted]	5676	3	60	12/18/02	15:00:38	10	60	11
SRC BKGD	5673	[redacted]	5676	3	61	12/18/02	15:08:50	41	300	8
SRC CHECK	5673	[redacted]	5676	3	62	12/18/02	15:11:14	2067	60	3861
SRC CHECK	5673	[redacted]	5676	3	63	12/18/02	15:14:14	2050	60	3829
SRC CHECK	5673	[redacted]	5676	3	64	12/18/02	15:15:46	2169	60	4052
SRC CHECK	5673	[redacted]	5676	3	65	12/18/02	15:17:26	2131	60	3980
SRC CHECK	5673	[redacted]	5676	3	66	12/18/02	15:18:48	2191	60	4093
SRC CHECK	5673	[redacted]	5676	3	67	12/18/02	15:20:10	2221	60	4149

ISS	DATE	REVISION	BY	CHKD	CHG	APVD	APVD	N
0	12/12/91	ASBUILT ISSUE	DCW				DVD	



→ FLOOR SCAN PATH

(FSXH) INTEGRATED COUNT LOCATION

UNCLASSIFIED & NON-SENSITIVE
Reviewed by Mound Declassification Office. Reviewer Initials: Paul B. Dowd
Sr. Classification Consultant

UNCLASSIFIED

BLDG #49
FIRST FLOOR
BLDG CODE:3049

~~NOT FOR PUBLIC DISSEMINATION~~
~~MAY CONTAIN UNCLASSIFIED CONTROLLED NUCLEAR INFORMATION SUBJECT TO SECTION 148 OF THE ATOMIC ENERGY ACT OF 1954, AS AMENDED (42 USC 2168), PROMULGATION OF THE DEPARTMENT OF ENERGY PROTECTION GUIDANCE IS REQUIRED.~~

SHEET	1	2	3	4	5	6
ISSUE	0	0				

FINAL CLASSIFICATION

DRAWING CLASSIFICATION: UNCLASSIFIED

TITLE (U) TITLE CLASSIFICATION
BLDG #49
FLOOR PLANS

SIZE C | DRAWING NUMBER FSC911259 | JOB NUMBER 12335

DWG TYPE SFP | PROJ BLDG #49 | CHECK 14865 | SCALE AS NOTED | SHEET 1 OF 2

STATUS HO-REL-12/12/91 | ORIGIN HO-GR3-V3.3

APPROVALS: DATE:
SAFETY COMMITTEE REQUIRED:
NONE FREEDOC TEDOC DCOC
TOOL REP.
ES. REP.
FREEDOC
TEDOC
DCOC

SECTION DIS | PROJ MGR
BRCHS | DWG SUPV
UP & DC | PLCR REV
DWG TECH
APVD | DATE

PAGE 3 of 3

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G38677

RADIOLOGICAL SURVEY DATA SHEET

LOCATION: (BLDG. / ROOM / AREA)	BUILDING 49	SURVEY NO.	03-TF-0002
PURPOSE:	ROOF AND EXTERIOR WALLS JUDGEMENTAL FIXED POINT MEASUREMENTS	RWP NO.	N/A
		DATE:	1/8/02
		TIME:	15:00

MAP / DRAWING

β Background	195
β Conv. Factor	4

Location	β CPM	β dpm/100cm²
FFP-01	259	256
FFP-02	233	152
FFP-03	247	208
FFP-04	234	156
FFP-05	246	204
FFP-06	257	248
FFP-07	241	184
FFP-08	272	308
FFP-09	324	516
FFP-10	287	368
FFP-11	375	720
FFP-12	349	616
FFP-13	277	328
FFP-14	357	648
FFP-15	217	88
FFP-16	213	72
FFP-17	257	248
FFP-18	255	240
FFP-19	351	624
FFP-20	409	856

Beta measurements taken with Ludlum 2360, Alpha measurements taken with Ludlum 2350 w/Ludlum 43-20 detector. Alpha activity listed on Page 3. Data Point loctions are depicted on Page 4. Smears taken at each measurement location.

LEGEND:
= mrem/hr (γ) whole body
#E = mrem/hr (β+η+γ) extremity on contact
K = factor of 1000
— · — · · = radiological boundary
△# = mrem/hr neutron
= air sample number
(#) = swipe number
(#/α) or /β = direct contamination measurement in dpm/100 cm²

INSTRUMENTS USED

Instrument	Serial Number	Cal. Due Date
Ludlum 2350	5671 / 5148	9/11/03
Ludlum 2360	5688 / 5809	8/14/03

Completed by: (Signature)	Sean Pickl	HP# [redacted]	Date: 1-13-03
Completed by: (Print Name)	MICHAEL J RUBADUE Sean P Kubert		
Counted by: (Signature)	SEE	HP#	Date:
Counted by: (Print Name)	ATTACHED		
Reviewed/Approved by: (Signature)	RMCoblentz	HP# [redacted]	Date: 01/15/03
Reviewed/Approved by: (Print Name)	RMCoblentz		

ML-9620 (2-98) Computer Generated

Survey No.
03-TF-0002

RADIOLOGICAL SURVEY DATA SHEET (cont.)

Removable Contamination				
Swipes (dpm/100cm²)				
Sample #	β/γ	Alpha	Tritium	Comments
1	SEE ATTACHED			FFP-01, Roof
2				FFP-02, Roof
3				FFP-03, Roof
4				FFP-04, Roof
5				FFP-05, Roof
6				FFP-06, Roof
7				FFP-07, Roof
8				FFP-08, Roof
9				FFP-09, Roof
10				FFP-10, Roof
11				FFP-11 CENTER WALL
12				FFP-12 LOWER WALL
13				FFP-13 CENTER WALL
14				FFP-14 CENTER WALL
15				FFP-15 CENTER WALL
16				FFP-16 LOWER WALL
17				FFP-17 CENTER WALL
18				FFP-18 CENTER WALL
19				FFP-19 LOWER WALL
20	SEE ATTACHED			FFP-20 CENTER WALL

Removable Contamination				
Swipes (dpm/100cm²)				
Sample #	β/γ	Alpha	Tritium	Comments

COMMENTS: N/A

NOTES:
1. See MD-80036 10002 for calculations of WB, extremity and skin dose rates.
2. To request RO Count Room analysis for β/γ, alpha or tritium, leave column blank. Mark column N/A if not needed. If count room printout of results are attached, write "see attached" in column.
3. Annotate special sample type (e.g., soil, water), special identifiers or otherwise in Comments. If needed, mark N/A.

ML-9620A (4-98)

BUILDING - 49 MARSSIM SURVEY

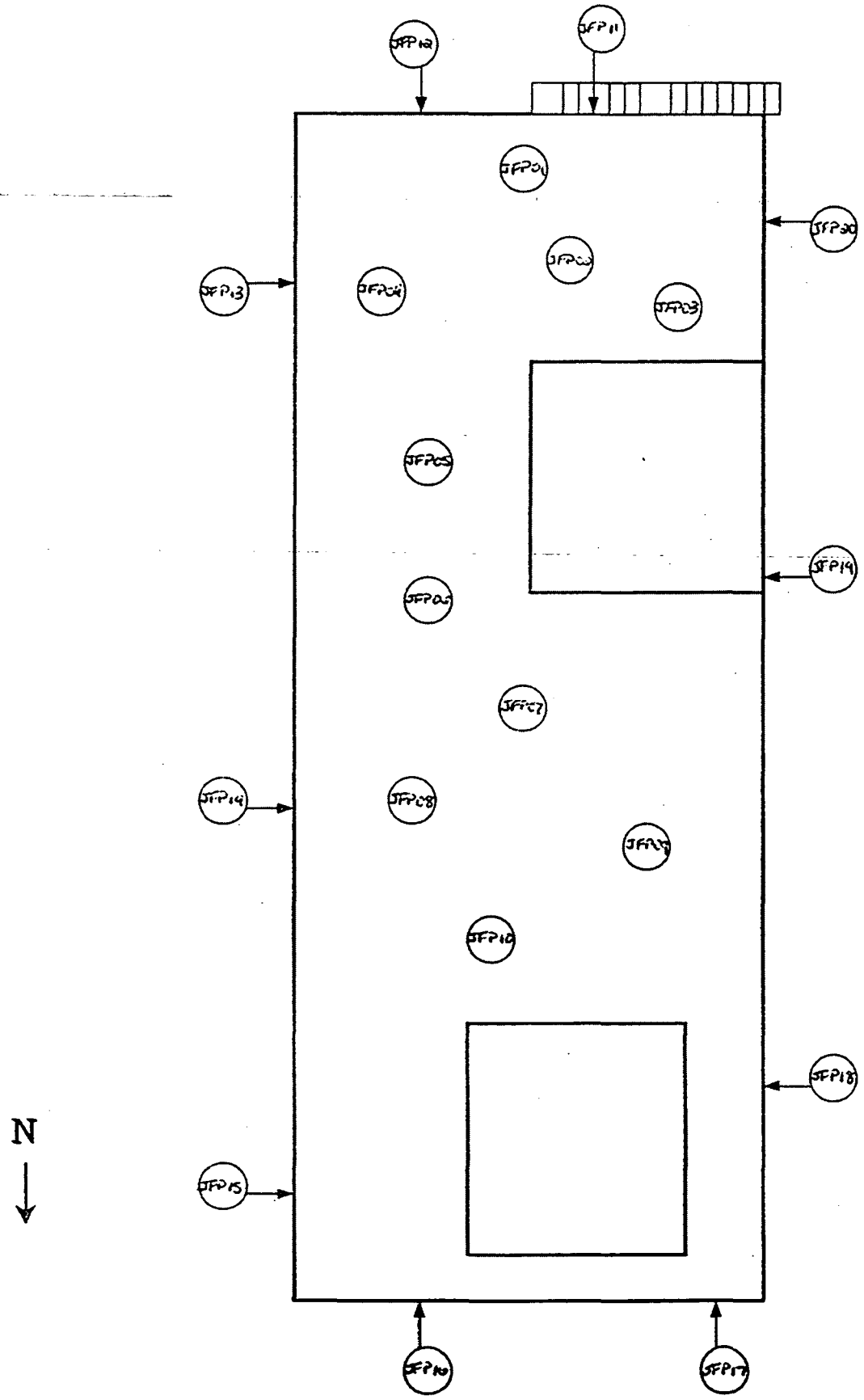
RSDS# 03-TF-0002 RCT: MR RCT: APK

43-20 BKG:	0	EFF:	0.193	PROBE AREA:	181	cm	Surface Eff:	0.5	
43-37 BKG:	0	EFF:	0.183	PROBE AREA:	584	cm	Surface Eff:	0.5	

LOCATION	2350#	RCT ID	PROBE	DET #	ITEM #	DATE	TIME	ALPHA CNTS	CT TIME	ALPHA dpm/100cm2
SRC BKG	5671	[redacted]	5148	3	0	1/9/03	8:07:30	0	300	0
SRC CHECK	5671	[redacted]	5148	3	1	1/9/03	8:12:02	1868	60	10695
SRC CHECK	5671	[redacted]	5148	3	2	1/9/03	8:13:46	1982	60	11347
SRC CHECK	5671	[redacted]	5148	3	3	1/9/03	8:15:34	1977	60	11319
SRC CHECK	5671	[redacted]	5148	3	4	1/9/03	8:16:54	1890	60	10821
49RF JFP-01	5671	[redacted]	5148	3	5	1/9/03	8:53:42	24	60	137
49RF JFP-02	5671	[redacted]	5148	3	6	1/9/03	8:56:28	29	60	166
49RF JFP-03	5671	[redacted]	5148	3	7	1/9/03	8:57:58	16	60	92
49RF JFP-04	5671	[redacted]	5148	3	8	1/9/03	9:00:32	16	60	92
49RF JFP-05	5671	[redacted]	5148	3	9	1/9/03	9:02:30	12	60	69
49RF JFP-06	5671	[redacted]	5148	3	10	1/9/03	9:04:12	16	60	92
49RF JFP-07	5671	[redacted]	5148	3	11	1/9/03	9:06:38	15	60	86
49RF JFP-08	5671	[redacted]	5148	3	12	1/9/03	9:08:58	27	60	155
49RF JFP-09	5671	[redacted]	5148	3	13	1/9/03	9:11:54	8	60	46
49RF JFP-10	5671	[redacted]	5148	3	14	1/9/03	9:13:22	14	60	80
49EXT JFP-11	5671	[redacted]	5148	3	15	1/9/03	9:17:14	34	60	195
49EXT JFP-12	5671	[redacted]	5148	3	16	1/9/03	9:19:36	3	60	17
49EXT JFP-13	5671	[redacted]	5148	3	17	1/9/03	9:21:56	6	60	34
49EXT JFP-14	5671	[redacted]	5148	3	18	1/9/03	9:24:28	3	60	17
49EXT JFP-15	5671	[redacted]	5148	3	19	1/9/03	9:27:18	7	60	40
49EXT JFP-16	5671	[redacted]	5148	3	20	1/9/03	9:29:24	71	60	406
49EXT JFP-17	5671	[redacted]	5148	3	21	1/9/03	9:31:06	12	60	69
49EXT JFP-18	5671	[redacted]	5148	3	22	1/9/03	9:32:58	39	60	223
49EXT JFP-19	5671	[redacted]	5148	3	23	1/9/03	9:34:52	4	60	23
49EXT JFP-20	5671	[redacted]	5148	3	24	1/9/03	9:37:28	8	60	46
SRC BKG	5671	[redacted]	5148	3	25	1/9/03	13:54:28	8	300	9
SRC CHECK	5671	[redacted]	5148	3	26	1/9/03	13:57:24	1918	60	10981
SRC CHECK	5671	[redacted]	5148	3	27	1/9/03	13:58:42	2015	60	11536
SRC CHECK	5671	[redacted]	5148	3	28	1/9/03	14:00:10	1896	60	10855
SRC CHECK	5671	[redacted]	5148	3	29	1/9/03	14:01:40	2001	60	11456

* See text pg 66 of 77 7 Feb 03

BUILDING 49 EXTERNAL SURFACES



6-42 of 77

Smear Analysis

Unit Type: LB4100/W
Counting Unit ID: Red
Data file name: SMEAR001
Batch Ended: 1/9/03 7:55

Crosstalk correction performed.

Batch ID: RUBADUE 03-TF-0002 (20)/BKS

Recalibration Date: 6/7/04
Serial Number: 26966-2

Detector ID	Sample ID	Alpha Activity			Beta Activity		
		DPM	σ	flags	DPM	σ	flags
A1	1	0.0	2.1		0.0	1.4	
A2	2	0.0	2.2		0.7	2.0	
A3	3	0.0	2.0		0.0	1.4	
A4	4	3.6	2.7		2.4	2.5	
B1	5	0.0	2.0		6.2	3.7	
B2	6	0.0	2.0		0.1	2.0	
B3	7	1.5	1.9		0.0	1.3	
B4	8	0.0	1.9		2.8	2.4	
C1	9	0.0	2.0		0.0	1.3	
C2	10	1.8	2.0		0.0	1.4	
C3	11	0.0	1.9		0.0	1.2	
C4	12	0.0	1.9		0.0	1.2	
D1	13	0.0	2.3		0.0	1.4	
D2	14	0.0	2.1		0.0	2.0	
D3	15	0.0	2.0		2.0	2.2	
D4	16	0.0	2.0		0.0	1.4	
A1	17	0.0	2.1		0.8	2.0	
A2	18	0.0	2.2		0.0	1.5	
A3	19	0.0	2.0		0.0	1.4	
A4	20	0.0	1.9		0.0	1.4	

MK MK

Brenda Stringer 1-9-03

G-43 of 77

RUBADUE 03-TF-0002 (Z1-Z20)/BKS

T-420

Cycle 1 Results

S#	Count Time	CPMA	CPMB	CPMC	TUM	tSTE	DPM1	A:2S%	MESSAGES
-1	10.00	10	9	6	0	641.88	0	20.0	B
0	2.00	232	212	0	0	504.69	480	9.5	
1	2.00	0	0	0	0	444.30	0	0.0	
2	2.00	0	0	0	0	358.54	0	0.0	
3	2.00	0	0	6	0	371.32	0	0.0	
4	2.00	0	0	0	0	386.38	0	0.0	
5	2.00	0	0	2	0	488.28	0	0.0	
6	2.00	0	0	1	0	547.22	0	0.0	
7	2.00	0	0	1	0	445.65	0	0.0	
8	2.00	0	0	0	0	538.92	0	0.0	
9	2.00	0	0	0	33	312.34	0	0.0	
10	2.00	0	0	1	0	325.24	0	0.0	
11	2.00	0	0	0	0	620.28	0	0.0	
12	2.00	2	0	0	0	599.87	5	216.1	
13	2.00	0	0	0	0	636.98	0	0.0	
14	2.00	0	0	0	0	628.59	0	0.0	
15	2.00	0	0	0	0	651.95	0	0.0	
16	2.00	0	0	0	0	597.74	0	0.0	
17	2.00	0	0	1	0	600.04	0	0.0	
18	2.00	0	0	0	0	605.00	0	0.0	
19	2.00	0	0	0	0	584.63	0	0.0	
20	2.00	0	0	0	0	642.06	0	0.0	

MB

Brenda Strenger 1-9-03

RADIOLOGICAL SURVEY DATA SHEET

LOCATION: (BLDG. / ROOM / AREA) Bldg 49	SURVEY NO. 03-TF-0003
PURPOSE: DRAIN SAMPLES	RWP NO. N/A
	DATE: 1-7-03
	TIME: 1600

MAP / DRAWING

SEE PAGES 3 & 4 for DRAIN SAMPLE LOCATIONS.
PAGE 2 LISTS SAMPLE NUMBER AND DRAIN TYPE
(i.e. floor, sink, etc...)

COPY

LEGEND:
= mrem/hr (γ) whole body
#E = mrem/hr (β+η+γ) extremity on contact
K = factor of 1000
— · — · — = radiological boundary
△# = mrem/hr neutron
□# = air sample number
(#) = swipe number
(#/α) or /β = direct contamination measurement in dpm/100 cm²

INSTRUMENTS USED

Instrument	Serial Number	Cal. Due Date

Completed by: (Signature)	HP# [redacted]	Date: 1-29-03
Completed by: (Print Name) MICHAEL J RUBADUE		
Counted by: (Signature) SEE	HP#	Date:
Counted by: (Print Name) ATTACHED		
Reviewed/Approved by: (Signature)	HP# [redacted]	Date: 01/29/03
Reviewed/Approved by: (Print Name) RuCoblentz		

ML-8620 (2-88) Computer Generated

G-45 of 77

Survey No. 03-TF-0003

RADIOLOGICAL SURVEY DATA SHEET (cont.)

~~Removable Contamination~~ MJR 1-29-03

MJR 1-29-03 ~~Swipes (dpm/100cm²)~~

Sample #	β/γ	Alpha	Tritium	Comments
1	SEE	ATTA	CHED	FLOOR DRAIN
2				
3				
4				
5				
6				
7				SINK DRAIN
8				SOLVENT DRAIN
9				SINK DRAIN
10				
11				
12				
13				FLOOR DRAIN
14				
15				
16				SHOWER DRAIN
17				FLOOR DRAIN
18				SOLVENT DRAIN
19				SINK DRAIN
20				SOLVENT DRAIN
21				SINK DRAIN
22				FLOOR DRAIN
23				
24	SEE	ATTA	CHED	SINK DRAIN

Removable Contamination

Swipes (dpm/100cm²)

Sample #	β/γ	Alpha	Tritium	Comments

COMMENTS: N/A

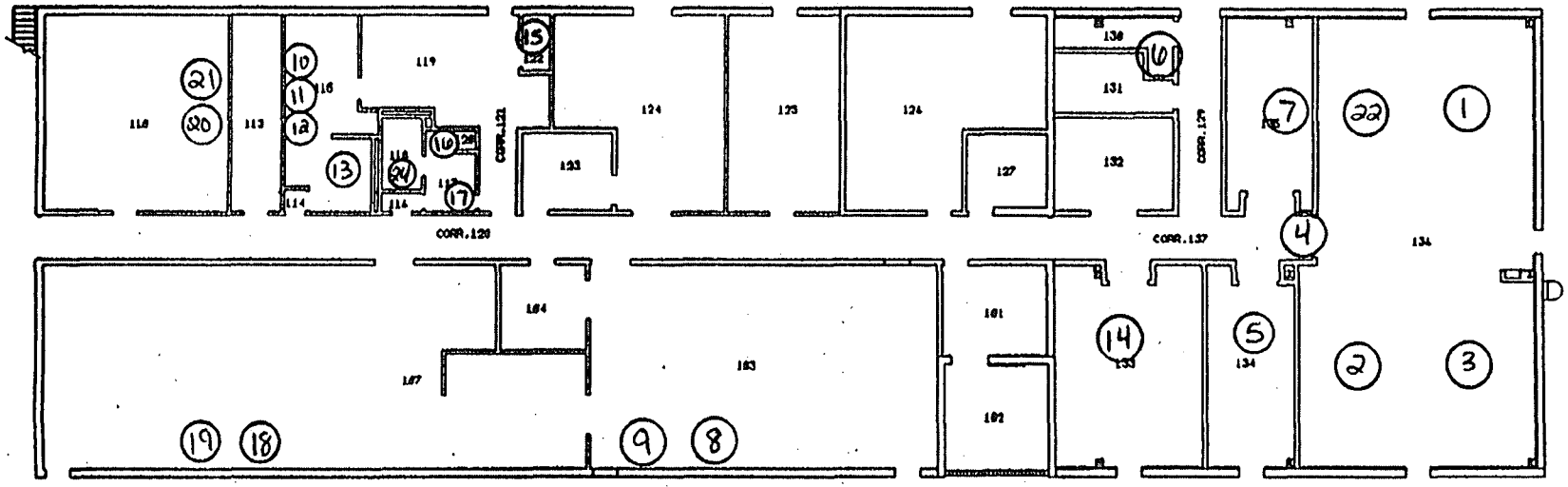
N/A

NOTES:
1. See MD-80036 10002 for calculations of WB, extremity and skin dose rates.
2. To request RO Count Room analysis for β/γ, alpha or tritium, leave column blank. Mark column N/A if not needed. If count room printout of results are attached, write "see attached" in column.
3. Annotate special sample type (e.g., soil, water), special identifiers or otherwise in Comments. If needed, mark N/A.

ML-9620A (4-98)

COPY

REV	DATE	REVISION	BY	CHKD	DWD	APPRD	APPRD	A
0	12/12/91	ASBUILT ISSUE	DCB				DVD	



(#) SAMPLE LOCATION / NUMBER

UNCLASSIFIED & NON-SENSITIVE
Reviewed by Mound Declassification
Office. Reviewer Initials: Paul B. Dowd
Sr. Classification Consultant

UNCLASSIFIED

BLDG #49
FIRST FLOOR
BLDG CODE:3049

~~NOT FOR PUBLIC DISSEMINATION~~
~~MAY CONTAIN UNCLASSIFIED CONTROLLED NUCLEAR INFORMATION PURSUANT TO SECTION 148 OF THE ATOMIC ENERGY ACT OF 1954, AS AMENDED (42USC 2168), AND/OR 10 CFR PART 1017 OF THE DEPARTMENT OF ENERGY PROGRAM TO PROTECT UCNI.~~

SHEET	1	2	3	4	5	6
TOTAL	8	8				

TITLE (U) TITLE CLASSIFICATION
BLDG #49
FLOOR PLANS

FINAL CLASSIFICATION
DRAWING CLASSIFICATION: ~~UCNI~~
SIZE C | DRAWING NUMBER FSC911259 | JOB NUMBER 12333
DWG TYPE GPP | PROJ BLDG #49 | CODE 14065 | SCALE AS NOTED | SHEET 1 OF 2
STATUS MD-REL-12/12/91 | ORIGIN MD-BRJ-V3.3

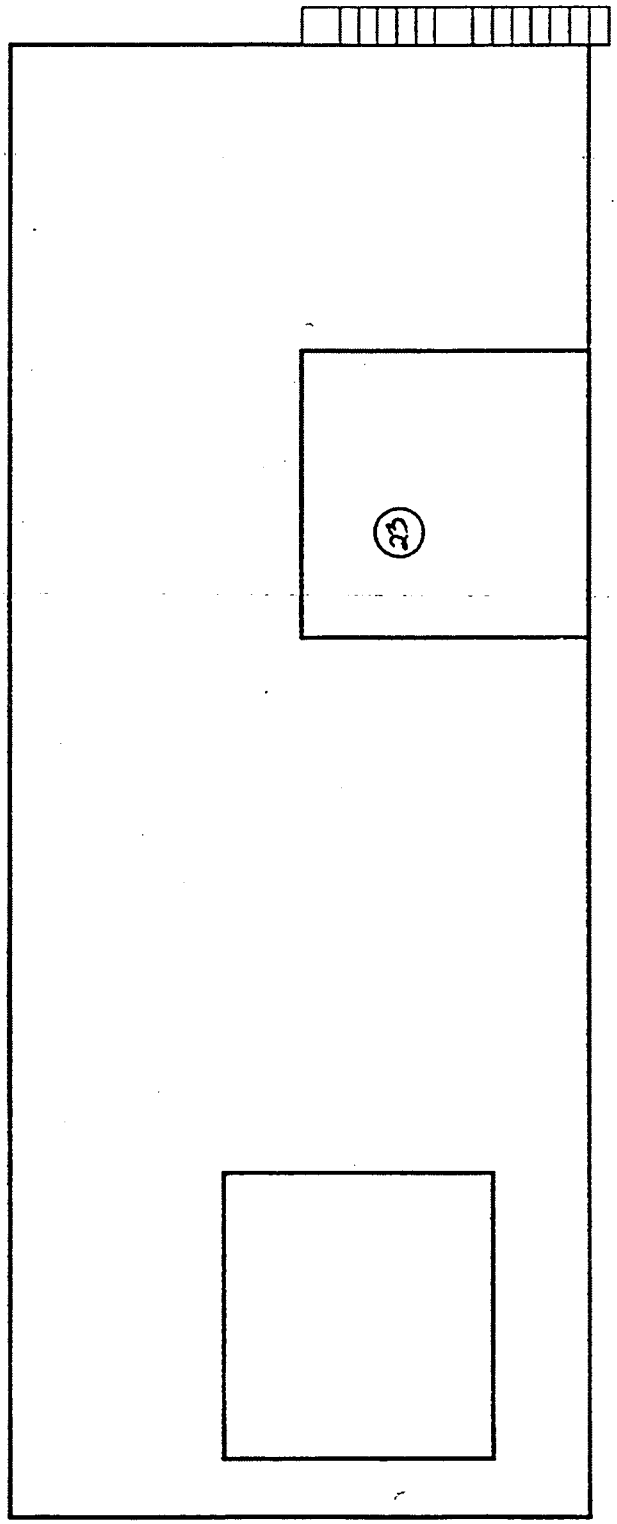
APPROVALS: SAFETY CONSTRUCT REQUIRED: ___NONE ___TRUEDOC ___TEDOC ___DVOC
TECH. ACCP. ___ DATE: ___
QA. ASS. ___
TRUEDOC ___
TEDOC ___
DVOC ___

DESIGN DWG | PROJ MGR
DRGNS | DWG REPV
LP & DC | PROJ REV
DWG MGR
APPD | DATE

LL found

PAGE 3 OF 12

BUILDING 49 EXTERNAL SURFAES



(#) - SAMPLE LOCATION / NUMBER

N

BWXT of Ohio, Inc.

ANALYTICAL SERVICES REQUEST FOR ANALYSIS

DATE SUBMITTED:	SAMPLE TYPE:	COLLECTED BY:	NUMBER OF SAMPLES
1/13/03	Liquid	J. Kubera	21
PROJECT/FUNCTION:	**PRIMARY CONTACT/PHONE NO.:**		**MAIL STOP:**
SMPP/TFV	S. Kubera 3104		OSW-4
CHARGE NUMBER:	**DATE(S) COLLECTED:**	**RSDS# (if applicable):**	**ATTACHMENTS (list):**
J00462	1/7/03	03-TF-003	

ANALYSES REQUESTED (check):

- [x] ^3H
- [ ] Characterize/Approve for Sanitary or Storm Discharge. Estimate of Total Volume for Release_____ Approved_____
- [x] Gross Alpha
- [ ] Air Filter – Isotopic Analysis
- [x] Characterization per MD-80036, Operation #10015
- [ ] Isotopic Analysis: Pu____ U____ Th____ Am____ Other____
- [x] Other Gross beta

ADDITIONAL INFORMATION:

NOTE: Attach additional information (e.g. RSDS, screening results, collection data, and gamma spec. results) if applicable

LAB IDENTIFICATION	SAMPLE LOCATION	SAMPLE NUMBER	RESULTS
0300445	Bldg 49	1	
0446		2	
0447		3	
0448		4	
0449		5	
0450		6	
0451		7	
0452		8	
0453		9	
0454		10	
0455		11	
0456		12	
0457		13	

COMMENTS:

ANALYZED BY:	DATE:
Bradley A Justice	1/28/03

ML-5222 (1-01)

BWXT of Ohio, Inc.

ANALYTICAL SERVICES REQUEST FOR ANALYSIS

DATE SUBMITTED:	SAMPLE TYPE:	COLLECTED BY:	NUMBER OF SAMPLES
PROJECT/FUNCTION:	PRIMARY CONTACT/PHONE NO.:		MAIL STOP:
CHARGE NUMBER:	DATE(S) COLLECTED:	RSDS# (if applicable):	ATTACHMENTS (list):

ANALYSES REQUESTED (check):

- ☒ ^3H
- ☐ Characterize/Approve for Sanitary or Storm Discharge. Estimate of Total Volume for Release_____ Approved_____
- ☐ Gross Alpha
- ☐ Air Filter – Isotopic Analysis
- ☒ Characterization per MD-80036, Operation #10015
- ☐ Isotopic Analysis: Pu____ U_____ Th____ Am____ Other_____
- ☐ Other _____

ADDITIONAL INFORMATION:

NOTE: Attach additional information (e.g. RSDS, screening results, collection data, and gamma spec. results) if applicable

LAB IDENTIFICATION	SAMPLE LOCATION	SAMPLE NUMBER	RESULTS
0300458	BLDG 49	14	
0459		15	
0460		17	
0461		18	
0462		19	
0463		20	
0464		21	
0465		23	

COMMENTS:

ANALYZED BY:	DATE:

ML-5222 (1-01)

Laboratory ID#: 0300445-0300465
Project/function: TFV/Bldg 49 Liquids
Submitted: Jan 13, 2003
Submitted by: S. Kubera
Point of Contact: S. Kubera
RSDS#: 03-TF-003
Date: Jan 28, 2003

Tritium 3H

Lab ID	Sample Location	pCi/mL	LDL (pCi/mL)
0300445	Bldg 49 #1	<LDL	1.23
0300446	Bldg 49 #2	<LDL	1.18
0300447	Bldg 49 #3	<LDL	1.82
0300448	Bldg 49 #4	<LDL	1.18
0300449	Bldg 49 #5	<LDL	1.25
0300450	Bldg 49 #6	<LDL	1.25
0300451	Bldg 49 #7	<LDL	1.17
0300452	Bldg 49 #8	<LDL	1.32
0300453	Bldg 49 #9	<LDL	1.25
0300454	Bldg 49 #10	<LDL	1.19
0300455	Bldg 49 #11	<LDL	1.19
0300456	Bldg 49 #12	<LDL	1.19
0300457	Bldg 49 #13	<LDL	1.18
0300458	Bldg 49 #14	<LDL	1.18
0300459	Bldg 49 #15	<LDL	1.17
0300460	Bldg 49 #17	<LDL	1.18
0300461	Bldg 49 #18	<LDL	1.18
0300462	Bldg 49 #19	1.84 +/- 0.13	1.18
0300463	Bldg 49 #20	<LDL	1.24
0300464	Bldg 49 #21	<LDL	1.29
0300465	Bldg 49 #23	<LDL	2.66

MSL

Gross Alpha

Lab ID	Sample Location	pCi/mL	LDL (pCi/mL)
0300445	Bldg 49 #1	<LDL	3.29
0300446	Bldg 49 #2	<LDL	3.15
0300447	Bldg 49 #3	<LDL	2.66
0300448	Bldg 49 #4	<LDL	2.57
0300449	Bldg 49 #5	<LDL	3.60
0300450	Bldg 49 #6	<LDL	3.38
0300451	Bldg 49 #7	<LDL	0.83
0300452	Bldg 49 #8	<LDL	0.83
0300453	Bldg 49 #9	<LDL	0.83
0300454	Bldg 49 #10	<LDL	0.83
0300455	Bldg 49 #11	<LDL	3.02
0300456	Bldg 49 #12	<LDL	2.43
0300457	Bldg 49 #13	<LDL	0.83
0300458	Bldg 49 #14	<LDL	3.20
0300459	Bldg 49 #15	<LDL	3.20
0300460	Bldg 49 #17	<LDL	3.11
0300461	Bldg 49 #18	<LDL	0.83
0300462	Bldg 49 #19	<LDL	0.83
0300463	Bldg 49 #20	<LDL	0.83
0300464	Bldg 49 #21	<LDL	2.43
0300465	Bldg 49 #23	<LDL	0.62

MR

MGR 1-29-03

Gross Beta

Lab ID	Sample Location	pCi/mL		LDL (pCi/mL)
0300445	Bldg 49 #1	<LDL	0.920	4.14
0300446	Bldg 49 #2	<LDL	0.820	3.69
0300447	Bldg 49 #3	0.54 +/- 0.16	0.99	4.46
0300448	Bldg 49 #4	<LDL	1.110	5.00
0300449	Bldg 49 #5	<LDL	0.950	4.28
0300450	Bldg 49 #6	<LDL	0.810	3.65
0300451	Bldg 49 #7	<LDL	2.230	1.00
0300452	Bldg 49 #8	<LDL	2.230	1.00
0300453	Bldg 49 #9	<LDL	2.230	1.00
0300454	Bldg 49 #10	<LDL	2.230	1.00
0300455	Bldg 49 #11	<LDL	0.940	4.23
0300456	Bldg 49 #12	<LDL	1.140	5.14
0300457	Bldg 49 #13	<LDL	2.230	1.00
0300458	Bldg 49 #14	<LDL	0.940	4.23
0300459	Bldg 49 #15	<LDL	0.920	4.14
0300460	Bldg 49 #17	<LDL	1.020	4.59
0300461	Bldg 49 #18	<LDL	2.230	1.00
0300462	Bldg 49 #19	<LDL	2.230	1.00
0300463	Bldg 49 #20	<LDL	2.230	1.00
0300464	Bldg 49 #21	<LDL	1.050	4.73
0300465	Bldg 49 #23	<LDL	2.230	0.92

MR

[redacted] 1/29/03
Analyst HP # Date

[redacted] 1/29/03
Data Verification HP # Date

G-53 of 77

BWXT of Ohio, Inc.

ANALYTICAL SERVICES REQUEST FOR ANALYSIS

DATE SUBMITTED:	SAMPLE TYPE:	COLLECTED BY:	NUMBER OF SAMPLES
1/13/03	Sediment	S. Kubera	2
PROJECT/FUNCTION:	**PRIMARY CONTACT/PHONE NO.:**		**MAIL STOP:**
SMPP / TFV	S. Kubera 3104		OSW-4
CHARGE NUMBER:	**DATE(S) COLLECTED:**	**RSDS# (if applicable):**	**ATTACHMENTS (list):**
J00462	1/7/03	03-TF-003	

ANALYSES REQUESTED (check):

- ☒ ^3H
- ☐ Characterize/Approve for Sanitary or Storm Discharge. Estimate of Total Volume for Release_____ Approved_____
- ☒ Gross Alpha
- ☐ Air Filter – Isotopic Analysis
- ☐ Characterization per MD-80036, Operation #10015
- ☐ Isotopic Analysis: Pu____ U____ Th____ Am____ Other____
- ☒ Other GROSS BETA

ADDITIONAL INFORMATION:

NOTE: Attach additional information (e.g. RSDS, screening results, collection data, and gamma spec. results) if applicable

LAB IDENTIFICATION	SAMPLE LOCATION	SAMPLE NUMBER	RESULTS
0300466	BLDG 49	16	
0467	↓	22	

COMMENTS:

ANALYZED BY: [signature] DATE: 1/29/03

MR-5222 (1-01)

G54 & 77

Laboratory ID#: 0300445-0300465
Project/function: TFV/Bldg 49 Sediment
Submitted: Jan 13, 2003
Submitted by: S. Kubera
Point of Contact: S. Kubera
RSDS#: 03-TF-003
Date: Jan 28, 2003

Tritium 3H

Lab ID	Sample Location	pCi/g	LDL (pCi/g)
0300466	Bldg 49 #16	<LDL	15.42
0300467	Bldg 49 #22	<LDL	16.71

mR

Gross Alpha

Lab ID	Sample Location	pCi/g	LDL (pCi/g)
0300466	Bldg 49 #16	<LDL	2.52
0300467	Bldg 49 #22	<LDL	2.75

mR

Gross Beta

Lab ID	Sample Location	pCi/g	LDL (pCi/g)
0300466	Bldg 49 #16	<LDL	2.25
0300467	Bldg 49 #22	<LDL	2.21

mR

Bradley D Foster [redacted] 1/29/03
Analyst HP # Date

Denise Dillen [redacted] 1/29/03
Data Verification HP # Date

BWXT of Ohio, Inc.

ANALYTICAL SERVICES REQUEST FOR ANALYSIS

DATE SUBMITTED:	SAMPLE TYPE:	COLLECTED BY:	NUMBER OF SAMPLES
1/13/03	Smear	S. Kubera	1
PROJECT/FUNCTION:	**PRIMARY CONTACT/PHONE NO.:**		**MAIL STOP:**
SMPP/TFV	S. Kubera 7561		OSW-4
CHARGE NUMBER:	**DATE(S) COLLECTED:**	**RSDS# (if applicable):**	**ATTACHMENTS (list):**
V00462	1/07/03	03-TF-003	

ANALYSES REQUESTED (check):

- [x] ^3H
- [ ] Characterize/Approve for Sanitary or Storm Discharge. Estimate of Total Volume for Release_____ Approved_____
- [x] Gross Alpha
- [ ] Air Filter – Isotopic Analysis
- [x] Characterization per MD-80036, Operation #10015
- [ ] Isotopic Analysis: Pu____ U____ Th____ Am____ Other____
- [x] ~~Other Gross Beta~~ 1/13/03

ADDITIONAL INFORMATION:

NOTE: Attach additional information (e.g. RSDS, screening results, collection data, and gamma spec. results) if applicable

LAB IDENTIFICATION	SAMPLE LOCATION	SAMPLE NUMBER	RESULTS
0300444	BLDG48 RM118	24	~~<0.60 nCi/L 3H~~
			<1.67 dpm/smear α
			<2.0 dpm/smear β
			<3.9 nCi/smear 3H

COMMENTS:

ANALYZED BY:	DATE:
[signature]	1/20/03

ML-5222 (1-01)

RADIOLOGICAL SURVEY DATA SHEET

LOCATION: (BLDG. / ROOM / AREA) 49 SHED	SURVEY NO. 03 – TF – 0005
PURPOSE: CHARACTERIZATION SURVEY	RWP NO. N/A
	DATE: 1-15-03
	TIME: 15:00

MAP / DRAWING

COPY

β Background (CPM)	152
β Conv. Factor	4
β DL (Net CPM)	30

α Background	0.8
α Conv. Factor	8
α DL (Net CPM)	1.4

* Location	β CPM	β dpm/100 cm²	α CPM	α dpm/100 cm²
1	254	408	2	9.6
2	256	416	2	9.6
3	262	440	1	1.6
4	270	472	5	33.6
5	271	476	5	33.6
6	156	16	5	33.6
7	155	12	5	33.6
8	162	40	1	1.6
9	168	64	3	17.6
10	161	36	0	- 6.4
11	152	0	2	9.6
12	160	32	4	25.6
13	127	- 100	3	17.6
14	180	112	0	- 6.4
15	175	92	2	9.6
16	158	24	4	25.6
17	247	380	6	41.6
18	163	44	5	33.6
19	183	124	7	49.6
20	200	192	4	25.6
21	238	344	2	9.6
22	209	228	1	1.6
23	167	60	3	17.6

* Denotes smear and direct measurement location number. One-Minute integrated count performed at each location. Maps shown on pages 3 and 4.

LEGEND:
= mrem/hr (γ) whole body
#E = mrem/hr (β+η+γ) extremity on contact
K = factor of 1000
— · — · · = radiological boundary

△# = mrem/hr neutron
= air sample number
(#) = swipe number
(#/α) or /β = direct contamination measurement in dpm/100 cm²

INSTRUMENTS USED

Instrument	Serial Number	Cal. Due Date
Ludlum 2360	5688 / 5809	8-14-03

Completed by: (Signature) K. Abernathie	HP# [redacted]	Date: 1-16-03
Completed by: (Print Name) Michael J Kirkade K. Abernathie Sean P Watkins		
Counted by: (Signature) SEE	HP#	Date:
Counted by: (Print Name) ATTACHED PAGES		
Reviewed/Approved by: (Signature) RMCollentz	HP# [redacted]	Date: 01/21/03
Reviewed/Approved by: (Print Name) RMCollentz		

ML-9620 (2-98) Computer Generated

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Survey No. 03-TF-0005

RADIOLOGICAL SURVEY DATA SHEET (cont.)

Removable Contamination				
Swipes (dpm/100cm²)				
Sample #	β/γ	Alpha	Tritium	Comments
1	SEE ATTACHED			FLOOR, CONCRETE
2				↓
3				
4				
5				↓
6				EAST WALL, METAL
7				↓
8				SOUTH WALL, METAL
9				↓
10				WEST WALL, METAL
11				↓
12				NORTH WALL, METAL
13				↓
14				CEILING, METAL
15				↓
16				NORTH SIDE
17				↓
18				EAST SIDE
19				↓
20				SOUTH SIDE
21				↓
22	↓	↓	↓	WEST SIDE
23	SEE ATTACHED			↓
N/A				

Removable Contamination				
Swipes (dpm/100cm²)				
Sample #	β/γ	Alpha	Tritium	Comments
N/A				

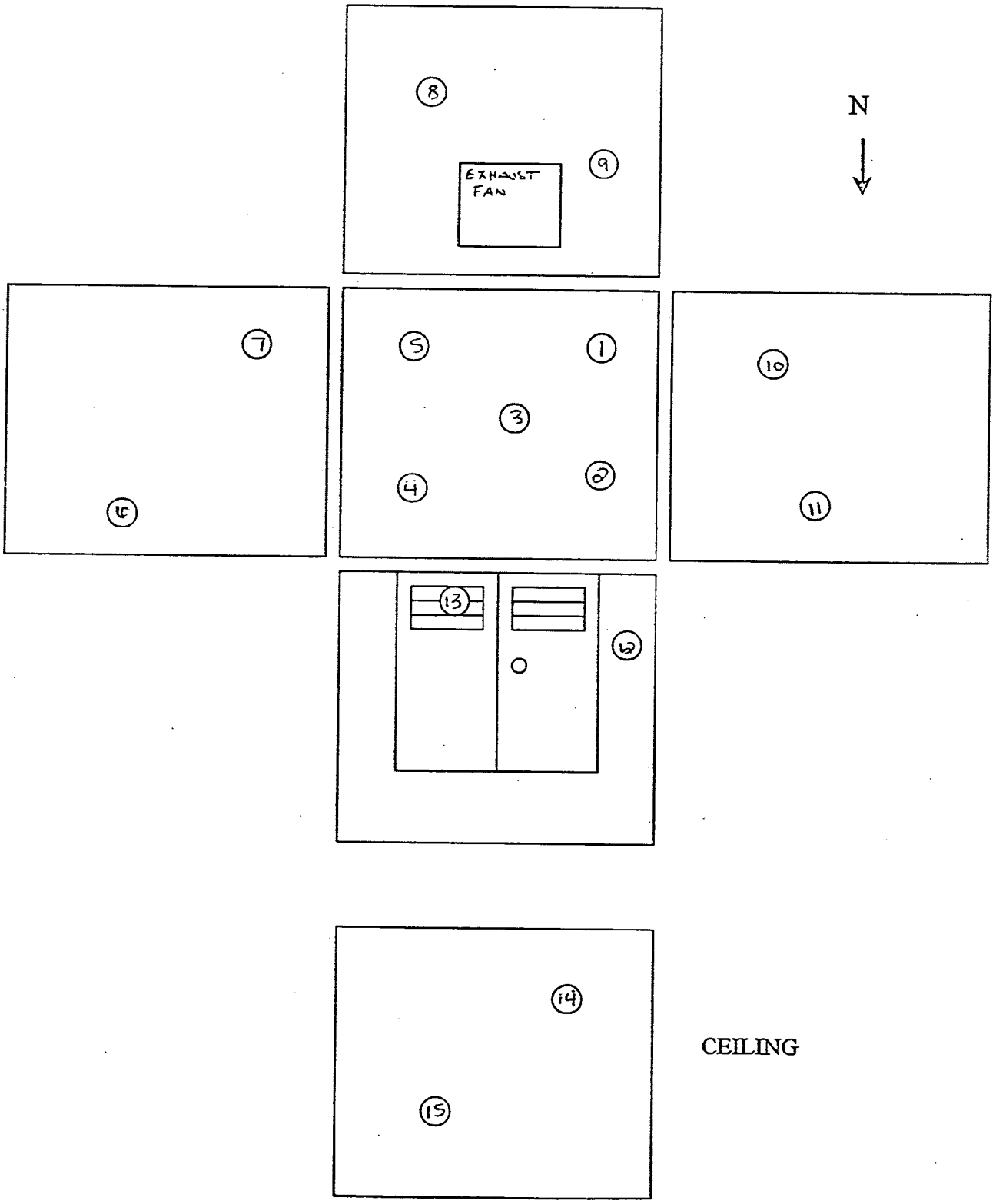
COMMENTS: SMEARS FIELD SCREENED <1000 dpm/100cm²
N/A

NOTES:

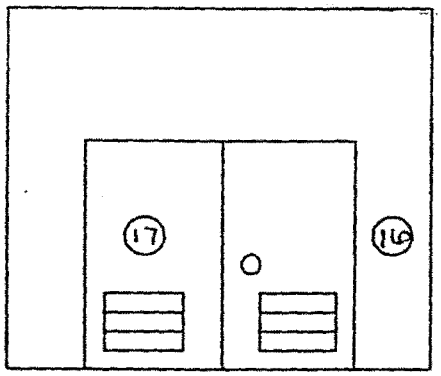
1. See MD-80036 10002 for calculations of WB, extremity and skin dose rates.
2. To request RO Count Room analysis for β/γ, alpha or tritium, leave column blank. Mark column N/A if not needed. If count room printout of results are attached, write "see attached" in column.
3. Annotate special sample type (e.g., soil, water), special identifiers or otherwise in Comments. If needed, mark N/A.

ML-9620A (4-98)

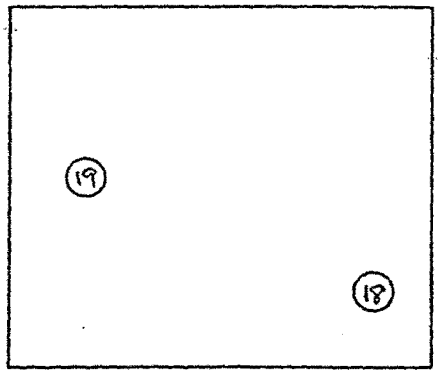
BUILDING 49 SHED INTERIOR SURFACES



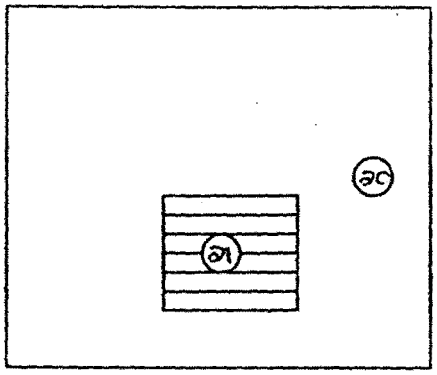
BUILDING 49 SHED EXTERIOR SURFACES



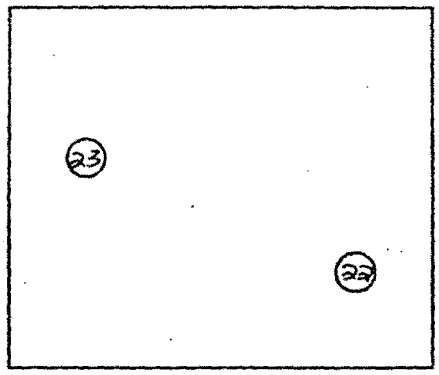
NORTH SIDE



EAST SIDE



SOUTH SIDE



WEST SIDE

Smear Analysis

Unit Type: LB4100/W
Counting Unit ID: Red
Data file name: SMEAR001
Batch Ended: 1/16/03 7:52

Crosstalk correction performed.

Batch ID: RUBADUE 03-TF-0005 (23)/BKS

Recalibration Date: 6/7/04
Serial Number: 26966-2

Detector ID	Sample ID	Alpha Activity			Beta Activity		
		DPM	σ	flags	DPM	σ	flags
A1	1	0.0	2.1		0.0	1.4	
A2	2	0.0	2.2		2.0	2.4	
A3	3	0.0	2.0		0.8	1.8	
A4	4	0.0	1.9		0.0	1.4	
B1	5	1.5	2.0		0.0	2.3	
B2	6	0.0	2.0		0.0	1.6	
B3	7	0.0	1.9		0.0	1.3	
B4	8	0.0	1.9		1.6	2.1	
C1	9	0.0	2.1		3.0	2.5	
C2	10	0.0	2.0		0.0	1.4	
C3	11	0.0	1.9		0.0	1.2	
C4	12	0.0	1.9		0.0	1.2	
D1	13	0.0	2.3		0.0	1.4	
D2	14	0.0	2.2		2.6	2.7	
D3	15	3.7	2.8		0.0	1.3	
D4	16	0.0	2.0		0.0	1.4	
A1	17	1.7	2.1		3.3	2.7	
A2	18	1.9	2.2		0.0	1.5	
A3	19	0.0	2.0		0.0	1.4	
A4	20	0.0	1.9		0.0	1.4	
B1	21	0.0	2.0		4.9	3.4	
B2	22	1.6	2.1		2.5	2.7	
B3	23	0.0	1.9		3.3	2.7	

MR MR Carol G. Robinson

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Protocol #: 2 Name:Pw-H3 #401387 16-Jan-2003 08:53
Region A: LL-UL= 0.5-18.6 Lcr= 0 Bkg= 0.00 %2 Sigma=0.00
Region B: LL-UL= 2.0-18.6 Lcr= 0 Bkg= 0.00 %2 Sigma=0.00
Region C: LL-UL=40.0-2000 Lcr= 0 Bkg= 0.00 %2 Sigma=0.00
Time = 2.00 QIP = tSIE/AEC ES Terminator = Count
RUBADUE 03-TF-0005 (I1-I23) CYR
Conventional DPM
Nuclide 1 = 800
Luminescence Correction On
Data/Application Drive & Path = c:\data

SAMP	TIME	CPMA	CPMB	CPMC	FLAG	LUM	tSIE	DPM1	A:2S%
-1	10.00	9.57	9.14	5.50	B	5	628.		20.45
0	2.00	724.15	694.13	2.50	L	0	502.	1545.99	5.32
1	2.00	0.00	0.00	1.88	L	0	363.	0.00	0.00
2	2.00	0.00	0.00	3.00		0	569.	0.00	0.00
3	2.00	2.43	1.37	0.00		0	515.	5.11	217.0
4	2.00	0.00	0.00	3.50		0	550.	0.00	0.00
5	2.00	0.00	0.00	0.00		10	559.	0.00	0.00
6	2.00	0.00	0.00	0.00		54	626.	0.00	0.00
7	2.00	0.00	0.00	2.00		0	637.	0.00	0.00
8	2.00	0.00	0.00	4.00		17	557.	0.00	0.00
9	2.00	0.00	0.00	0.00		23	596.	0.00	0.00
10	2.00	0.00	0.00	0.00		0	581.	0.00	0.00
11	2.00	2.57	1.49	0.00		4	626.	4.84	213.8
12	2.00	0.00	0.00	1.50		7	640.	0.00	0.00
13	2.00	0.00	0.00	0.00		0	497.	0.00	0.00
14	2.00	0.00	0.00	1.00		11	663.	0.00	0.00
15	2.00	0.00	0.00	0.50		7	640.	0.00	0.00
16	2.00	0.00	0.00	0.50		0	599.	0.00	0.00
17	2.00	0.00	0.00	1.50		7	533.	0.00	0.00
18	2.00	0.00	0.00	0.00		0	597.	0.00	0.00
19	2.00	0.00	0.00	0.00		8	619.	0.00	0.00
20	2.00	0.00	0.00	0.00		0	621.	0.00	0.00
21	2.00	0.00	0.00	0.00		8	606.	0.00	0.00
22	2.00	0.00	0.00	0.50		20	602.	0.00	0.00
23	2.00	0.00	0.00	0.00		10	602.	0.00	0.00

MB
Carol G. Robinson

RADIOLOGICAL SURVEY DATA SHEET

LOCATION: (BLDG. / ROOM / AREA) 49 SHED ROOF	SURVEY NO. 03 – TF – 0014
PURPOSE: CHARACTERIZATION SURVEY	RWP NO. N/A
	DATE: 1-21-03
	TIME: 10:00

MAP / DRAWING

β Background (CPM)	157
β Conv. Factor	4
β DL (Net CPM)	30

α Background	1
α Conv. Factor	8
α DL (Net CPM)	1.4

* Location	β CPM	β dpm/100 cm²	α CPM	α dpm/100 cm²
1	147	-40	8	56
2	160	12	2	8
3	132	-100	8	56

* Denotes smear and direct measurement location number. One-Minute integrated count performed at each location. Maps shown on page 3.

LEGEND:
= mrem/hr (γ) whole body
#E = mrem/hr (β+η+γ) extremity on contact
K = factor of 1000
— · — · · = radiological boundary
△# = mrem/hr neutron
= air sample number
(#) = swipe number
(#/α) or /β = direct contamination measurement in dpm/100 cm²

INSTRUMENTS USED

Instrument	Serial Number	Cal. Due Date
Ludlum 2360	5707 / 5718	8-23-03

Completed by: (Signature)	HP# [redacted]	Date: 1-23-03
Completed by: (Print Name) MICHAEL J RUBADOE Sean P Kubena		
Counted by: (Signature) SEE	HP#	Date:
Counted by: (Print Name) ATTACHED PAGES		
Reviewed/Approved by: (Signature)	HP# [redacted]	Date: 01/23/03
Reviewed/Approved by: (Print Name) RMCobleintz		

ML-9620 (2-98) Computer Generated

Survey No. C3-TF-0014

RADIOLOGICAL SURVEY DATA SHEET (cont.)

Removable Contamination				
Swipes (dpm/100cm²)				
Sample #	β/γ	Alpha	Tritium	Comments
	SEE ATTACHED			SOUTHEAST
2	1	1	1	SOUTHWEST
3	SEE ATTACHED			NORTHWEST

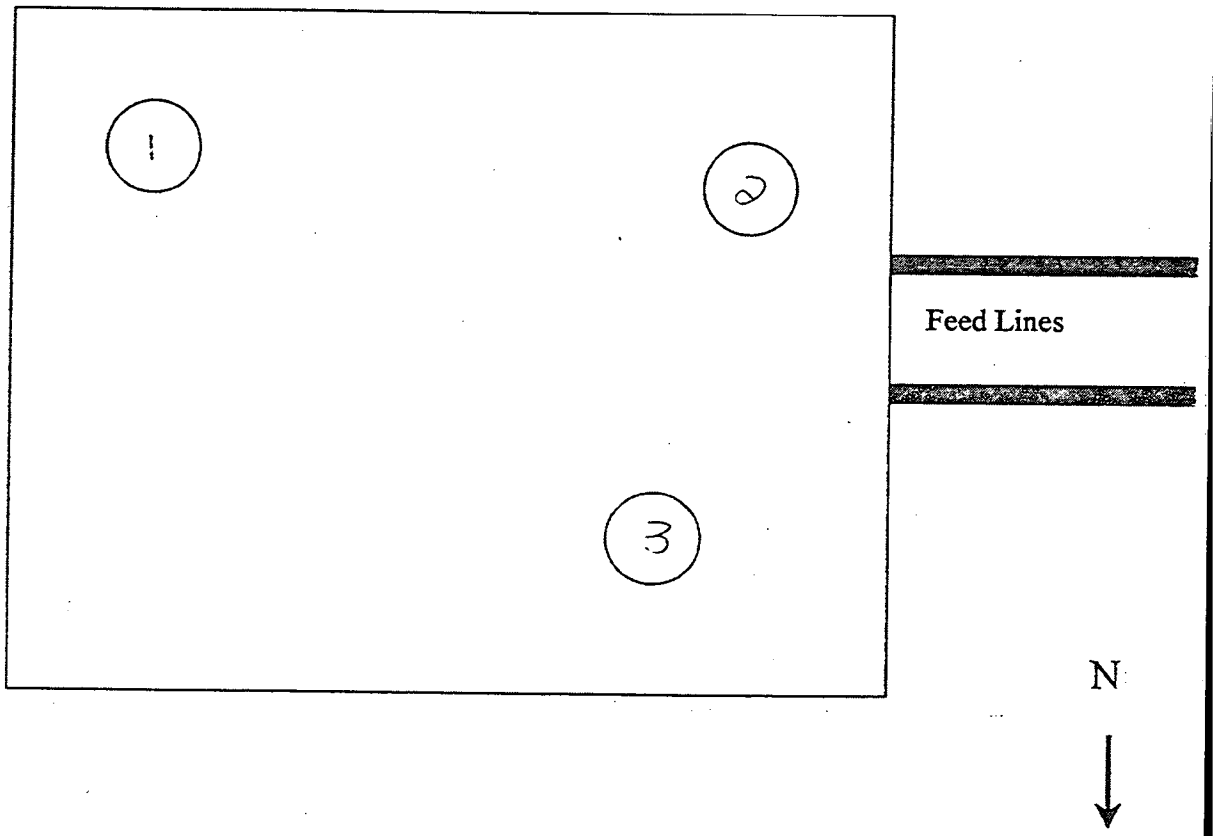
Removable Contamination				
Swipes (dpm/100cm²)				
Sample #	β/γ	Alpha	Tritium	Comments

COMMENTS: N/A

NOTES:
1. See MD-80036 10002 for calculations of WB, extremity and skin dose rates.
2. To request RO Count Room analysis for β/γ, alpha or tritium, leave column blank. Mark column N/A if not needed. If count room printout of results are attached, write "see attached" in column.
3. Annotate special sample type (e.g., soil, water), special identifiers or otherwise in Comments. If needed, mark N/A.

ML-9620A (4-98)

BUILDING 49 ROOF



SMEAR AND DIRECT MEASUREMENT
LOCATIONS

Smear Analysis

Unit Type: LB4100/W
Counting Unit ID: Red
Data file name: SMEAR010
Batch Ended: 1/22/03 14:45

Crosstalk correction performed.

Batch ID: BECKER 03-TF-0014 RGB

Recalibration Date: 6/7/04
Serial Number: 26966-2

Detector ID	Sample ID	Alpha Activity			Beta Activity		
		DPM	σ	flags	DPM	σ	flags
A1	1	0.0	2.1		0.8	2.0	
A2	2	1.9	2.2		5.8	3.3	
A3	3	0.0	2.0		3.3	2.6	

MR

MK
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PAGE 3 of 4

Protocol #: 2 Name:Pw-H3 #401387 22-Jan-2003 15:52
Region A: LL-UL= 0.5-18.6 Lcr= 0 Bkg= 0.00 %2 Sigma=0.00
Region B: LL-UL= 2.0-18.6 Lcr= 0 Bkg= 0.00 %2 Sigma=0.00
Region C: LL-UL=40.0-2000 Lcr= 0 Bkg= 0.00 %2 Sigma=0.00
Time = 2.00 QIP = tSIE/AEC ES Terminator = Count
BECKER 03-R-0014 (J1-J3) RGB
Conventional DPM
Nuclide 1 = 800
Luminescence Correction On
Data/Application Drive & Path = c:\data

SAMP	TIME	CPMA	CPMB	CPMC	FLAG	LUM	tSIE	DPM1	A:2S%
-1	10.00	11.48	10.27	4.20	B	4	629.		18.67
0	2.00	734.11	705.36	1.80	L	1	503.	1565.06	5.31
1	2.00	0.00	0.00	1.30	L	0	626.	0.00	0.00
2	2.00	0.00	0.00	0.00		0	572.	0.00	0.00
3	2.00	0.00	0.00	2.30		18	601.	0.00	0.00

MB
Carol Y. Robinson

G678 77

RADIOLOGICAL SURVEY DATA SHEET

LOCATION: (BLDG. / ROOM / AREA) BUILDING 49	SURVEY NO. 03-TF-0017
PURPOSE: QUALITY CONTROL MEASUREMENTS	RWP NO. N/A
	DATE: 1/21/03
	TIME: 11:00

MAP / DRAWING

β Background	157
β Conv. Factor	4

Location	β CPM	β dpm/100cm^2	Corresponds to Location:
49RFQ JFP-02	281	496	49RF JFP-02 RSDS: 03-TF-0002
49RFQ JFP-09	307	600	49RF JFP-09 RSDS: 03-TF-0002
49EXT JFP-12	380	892	49EXT JFP-12 RSDS: 03-TF-0002
49EXT JFP-16	263	424	49EXT JFP-16 RSDS: 03-TF-0002
49SU1 FFP-05	304	588	49SU1 FFP-05 RSDS: 02-TF-1657
49SU1 FFP-09	270	452	49SU1 FFP-09 RSDS: 02-TF-1657
49RIS JFP-07	351	776	49RIS JFP-07 RSDS: 02-TF-1658
49RIS JFP-17	245	352	49RIS JFP-17 RSDS: 02-TF-1658

Beta measurements taken with Ludlum 2360, Alpha measurements taken with Ludlum 2350 w/Ludlum 43-20 detector. Alpha activity listed on Page 2. Data Point loctions are shown on Pages 3 and 4.

LEGEND:
= mrem/hr (γ) whole body
#E = mrem/hr (β+η+γ) extremity on contact
K = factor of 1000
— · — · · = radiological boundary
△# = mrem/hr neutron
= air sample number
(#) = swipe number
(#/α) or /β = direct contamination measurement in dpm/100 cm^2

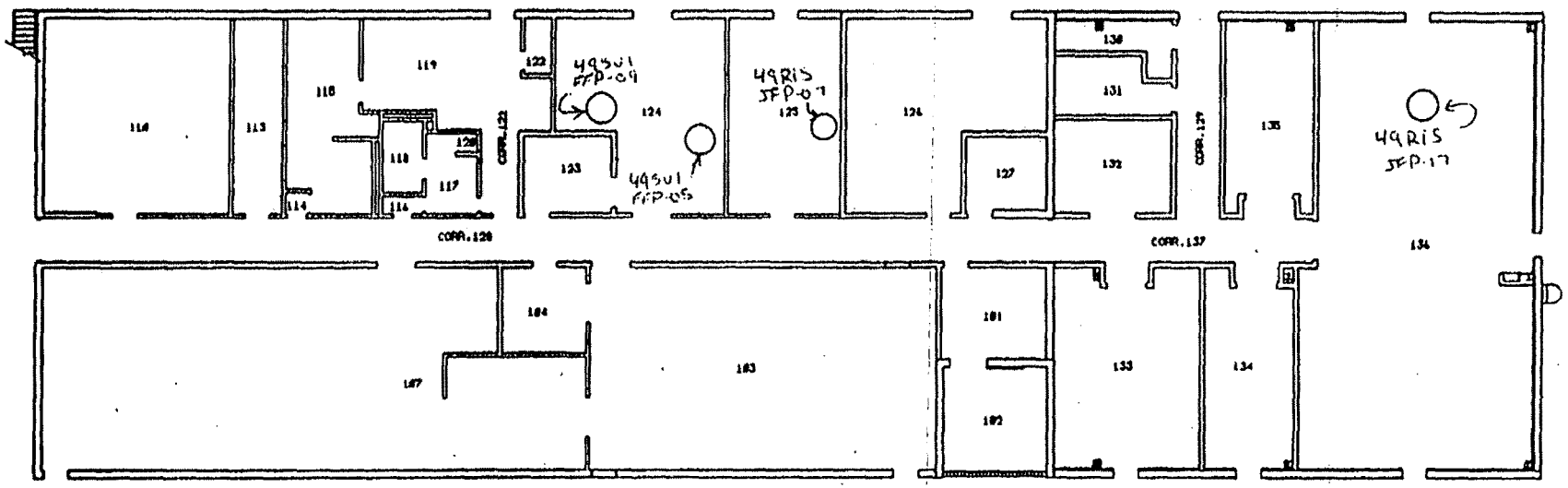
INSTRUMENTS USED

Instrument	Serial Number	Cal. Due Date
Ludlum 2350	5671 / 51483	9/11/03
Ludlum 2360	5707/5718	8/23/03

Completed by: (Signature)	HP# [redacted]	Date: 1-23-02
Completed by: (Print Name) MICHAEL J KUBADUK Sean P Kubera		
Counted by: (Signature) SEE	HP#	Date:
Counted by: (Print Name) ATTACHED		
Reviewed/Approved by: (Signature)	HP# [redacted]	Date: 01/23/03
Reviewed/Approved by: (Print Name) RMCoblentz		

ML-9620 (2-98) Computer Generated

REV	DATE	REVISION	BY	CHKD	DWN	UPKD	APVD	R
0	12/12/91	ASBUILT ISSUE	DCW				DVD	



UNCLASSIFIED & NON-SENSITIVE
Reviewed by Mound Declassification Office. Reviewer Initials: Paul B. Dowd
Sr. Classification Consultant

UNCLASSIFIED

BLDG #49
FIRST FLOOR
BLDG CODE:3048

SHEET	1	2	3	4	5	6
TOTAL	0	0				

TITLE (U) TITLE CLASSIFICATION
BLDG #49
FLOOR PLANS

PART CLASSIFICATION

DRAWING CLASSIFICATION UCNI

SIZE C | DRAWING NUMBER FSC911259 | JOB NUMBER 12335

DWG TYPE SFP | PROJ BLDG #49 | CODE 14065 | SCALE AS NOTED | SHEET 1 OF 2

APVD MD 12/12/91 | ORIGIN MD 083-V1

APPROVALS: DATE:
SAFETY COMMITTEE REQUIRED:
NONE TRIEDOC TEDOC EDOC
TECH. REP.
DR. MGR.
WELDING
TEDOC

NOT FOR PUBLIC DISSEMINATION

DESIGN DR | PROJ MGR
SPCNS | DR SUPV
DF & DC | PROJ REV
DWG MGR
APVD | DATE

G72d 77

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BUILDING 49 MARSSIM SURVEY

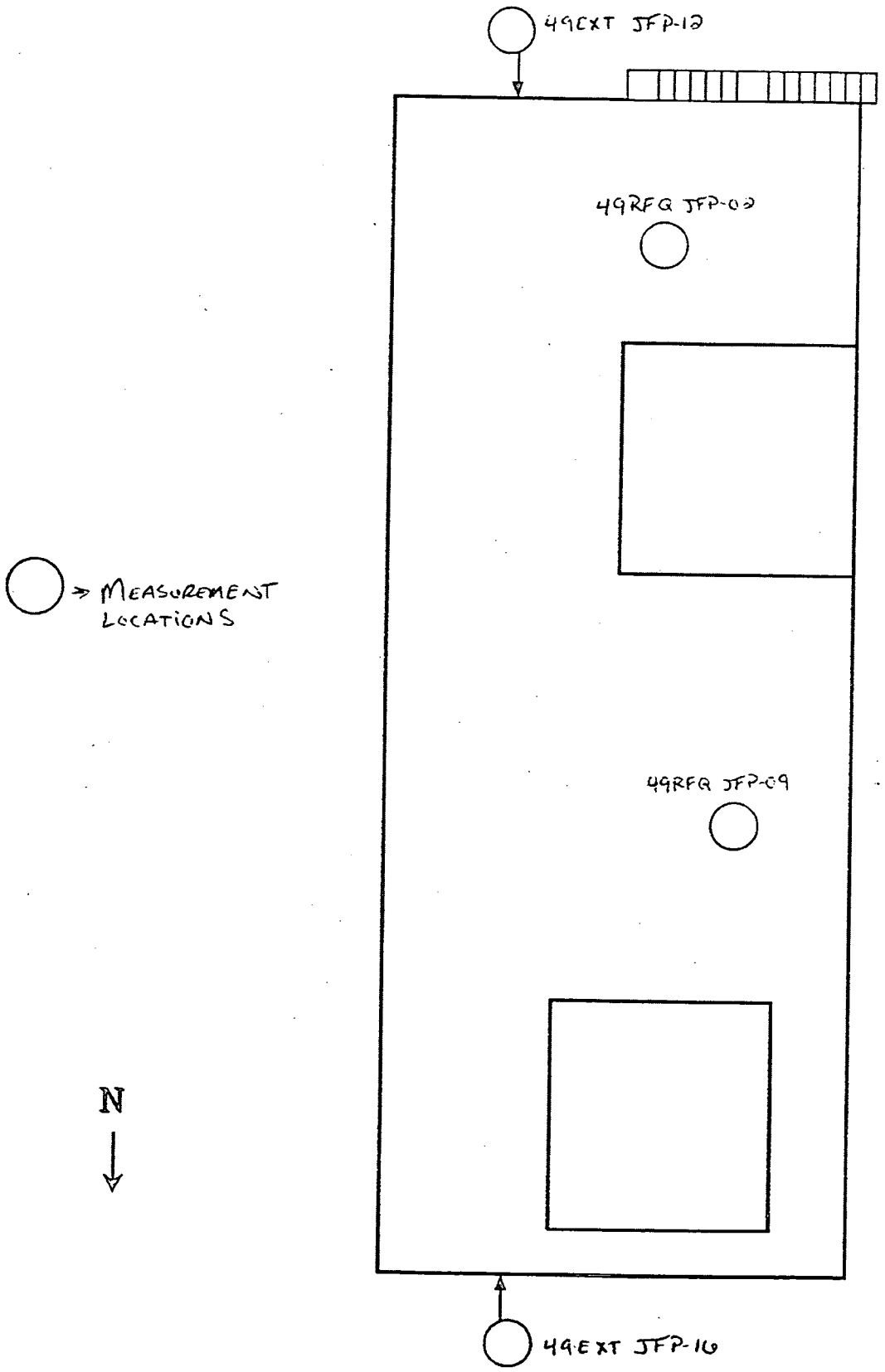
RSDS# 03-TF-0017 RCT: MR RCT: _____

43-20 BKG:	1	EFF:	0.193	PROBE AREA:	181	cm	Surface Eff:	0.5	
43-37 BKG:	0	EFF:	0.183	PROBE AREA:	584	cm	Surface Eff:	0.5	

LOCATION	2350#	RCT ID	PROBE	DET #	ITEM #	DATE	TIME	ALPHA CNTS	CT TIME	ALPHA dpm/100cm2
BKGD CHCK	5671	[redacted]	5148	3	0	1/21/03	8:23:32	5	300	0
SRC CHCK	5671	[redacted]	5148	3	1	1/21/03	8:25:58	2026	60	11594
SRC CHCK	5671	[redacted]	5148	3	2	1/21/03	8:27:18	1978	60	11319
SRC CHCK	5671	[redacted]	5148	3	3	1/21/03	8:29:26	1935	60	11073
SRC CHCK	5671	[redacted]	5148	3	4	1/21/03	8:31:06	1974	60	11296
49RFQ JFP-02	5671	[redacted]	5148	3	5	1/21/03	10:06:30	14	60	74
49RFQ JFP-09	5671	[redacted]	5148	3	6	1/21/03	10:10:06	3	60	11
49EXT JFP-12	5671	[redacted]	5148	3	7	1/21/03	10:17:44	3	60	11
49EXT JFP-16	5671	[redacted]	5148	3	8	1/21/03	10:25:58	71	60	401
49SU1 FFP-05	5671	[redacted]	5148	3	9	1/21/03	10:34:10	4	60	17
49SU1 FFP-09	5671	[redacted]	5148	3	10	1/21/03	10:54:58	1	60	0
49RIS JFP-07	5671	[redacted]	5148	3	11	1/21/03	10:59:32	1	60	0
49RIS JFP-17	5671	[redacted]	5148	3	12	1/21/03	11:02:16	2	60	6
SRC CHECK	5671	[redacted]	5148	3	13	1/21/03	16:07:36	3	300	-2
SRC BKG	5671	[redacted]	5148	3	14	1/21/03	16:20:16	1914	60	10952
SRC BKG	5671	[redacted]	5148	3	15	1/21/03	16:21:40	1975	60	11302
SRC BKG	5671	[redacted]	5148	3	16	1/21/03	16:25:34	1866	60	10678
SRC BKG	5671	[redacted]	5148	3	17	1/21/03	16:27:52	1943	60	11118

* See text pg G-6 of 77 (VKD) 7/28/03

BUILDING 49 EXTERNAL SURFACES



RADIOLOGICAL SURVEY DATA SHEET

LOCATION: (BLDG. / ROOM / AREA) 49 EXTERIOR SURFACES	SURVEY NO. 03-TF-0018
PURPOSE: ACID ETCH AND ROOFING SAMPLES	RWP NO. N/A
	DATE: 1-21-03
	TIME: 16:00

MAP / DRAWING

β Background (CPM)	160.6
β Conv. Factor	4
β DL (Net CPM)	30

α Background	0.6
α Conv. Factor	8
α DL (Net CPM)	1.4

Location	BEFORE SAMPLING				AFTER SAMPLING			
	β cpm	β dpm/100cm²	α cpm	α dpm/100cm²	β cpm	β dpm/100cm²	α cpm	α dpm/100cm²
49-01-RF01-025	212	205.6	5	35.2	225	257.6	2	11.2
49-01-RF02-026	281	481.6	0	−0	214	213.6	0	0
49-01-RF08-026	285	497.6	16	123.2	283	489.6	4	27.2
49-01-EXT11-028	404	973.6	1	3.2	378	869.6	1	3.2
49-01-EXT16-029	263	409.6	2	11.2	278	469.6	0	0
49-01-EXT18-030	217	225.6	6	43.2	252	365.6	2	11.2

COPY

One-minute integrated count taken for each location listed above. Sample locations shown on Page 2.

LEGEND:
= mrem/hr (γ) whole body
#E = mrem/hr (β+η+γ) extremity on contact
K = factor of 1000
— · — · · = radiological boundary
△# = mrem/hr neutron
= air sample number
(#) = swipe number
(#/α) or /β = direct contamination measurement in dpm/100 cm²

INSTRUMENTS USED

Instrument	Serial Number	Cal. Due Date
Ludlum 2360	5707 / 5718	8-23-03

Completed by: (Signature)	HP# [redacted]	Date: 1-28-03
Completed by: (Print Name) MICHAEL J RUBADE		
Counted by: (Signature) SEE	HP#	Date:
Counted by: (Print Name) ATTACHED		
Reviewed/Approved by: (Signature)	HP# [redacted]	Date: 01/28/03
Reviewed/Approved by: (Print Name) RM Coblentz		

ML-9620 (2-98) Computer Generated

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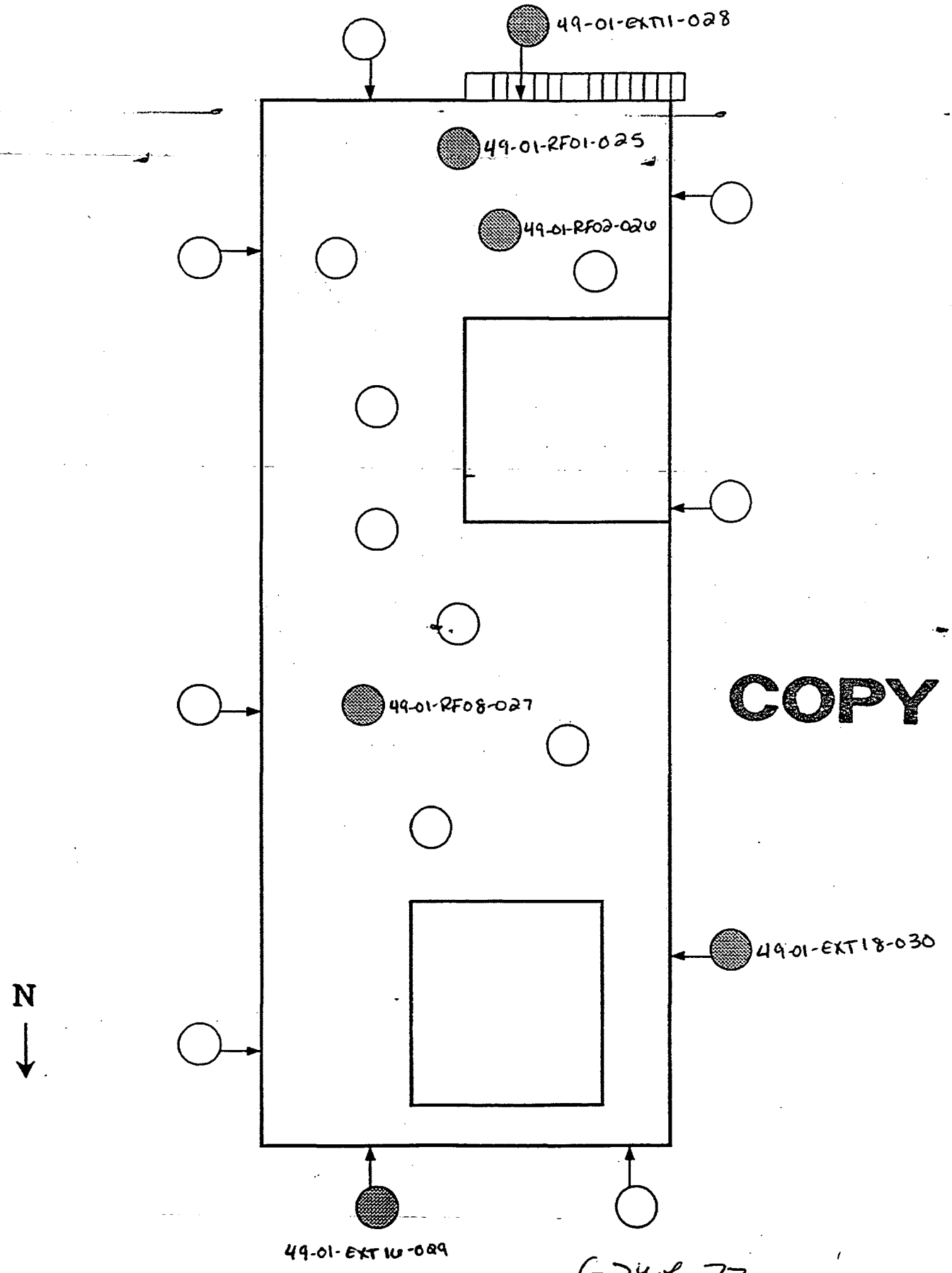
BUILDING 49 EXTERNAL SURFACES



COPY

BWXT of Ohio, Inc.

ANALYTICAL SERVICES REQUEST FOR ANALYSIS

DATE SUBMITTED:	SAMPLE TYPE:	COLLECTED BY:	NUMBER OF SAMPLES
1-21-03	RUBBER/ACID ETCH	MIKE RUBADUE	6
PROJECT/FUNCTION:	**PRIMARY CONTACT/PHONE NO.:**		**MAIL STOP:**
TFV	M. RUBADUE x3104		TRAILER 9
CHARGE NUMBER:	**DATE(S) COLLECTED:**	**RSDS# (if applicable):**	**ATTACHMENTS (list):**
J90462	1/21/03		

ANALYSES REQUESTED (check):

- ☐ ^3H
- ☐ Characterize/Approve for Sanitary or Storm Discharge. Estimate of Total Volume for Release_____ Approved_____
- ☐ Gross Alpha
- ☐ Air Filter – Isotopic Analysis
- ☒ Characterization per MD-80036, Operation #10015
- ☐ Isotopic Analysis: Pu____ U____ Th____ Am____ Other____
- ☐ Other _____

ADDITIONAL INFORMATION:

NOTE: Attach additional information (e.g. RSDS, screening results, collection data, and gamma spec. results) if applicable

LAB IDENTIFICATION	SAMPLE LOCATION	SAMPLE NUMBER	RESULTS
0300 6996	49-01-RF02-025	49-1	
0300 6997	49-01-RF02-026	49-2	
0300 6998	49-01-RF08-027	49-8	
0300 6999	49-01-EXT11-028	49-11	COPY
0300 700	4901-EXT16-029	49-16	
0300 701	49-01-EXT18-030	49-18	

COMMENTS:

ANALYZED BY: Brad Justice

DATE: 1-25-03

ML-5222 (1-01)

Laboratory ID#: 0300696 - 0300701
Project/function: TFV
Submitted: Jan 21, 2003
Submitted by: M. Rubadue
Point of Contact: M. Rubadue x3104
RSDS#: N/A
Date: Jan 27, 2003

Lab ID 0300696
Sample Location 49-01-RF01-025

Isotope	dpm/sample	Uncertainty +/-	LDL
Pu-238	<LDL	<LDL	0.39
Pu-239/240	<LDL	<LDL	0.14
Po-210	4.50	1.65	1.52
Th-232	<LDL	<LDL	0.16
Th-230	0.34	0.14	0.16
Th-228	<LDL	<LDL	0.53
Th-227	<LDL	<LDL	0.16
U-238	<LDL	<LDL	0.23
U-235	<LDL	<LDL	0.62
U-233/234	<LDL	<LDL	0.23

MR

Lab ID 0300697
Sample Location 49-01-RF02-026

Isotope	dpm/sample	Uncertainty +/-	LDL
Pu-238	0.17	0.10	0.15
Pu-239/240	<LDL	<LDL	0.52
Po-210	9.65	2.10	1.04
Th-232	<LDL	<LDL	0.43
Th-230	<LDL	<LDL	0.43
Th-228	0.23	0.12	0.16
Th-227	<LDL	<LDL	0.43
U-238	<LDL	<LDL	0.25
U-235	<LDL	<LDL	0.87
U-233/234	<LDL	<LDL	0.69

MR

COPY

Lab ID 0300698
Sample Location 49-01-RF08-027

Isotope	dpm/sample	Uncertainty +/-	LDL
Pu-238	<LDL	<LDL	0.15
Pu-239/240	<LDL	<LDL	0.51
Po-210	32.58	3.67	1.24
Th-232	<LDL	<LDL	0.42
Th-230	<LDL	<LDL	0.53
Th-228	<LDL	<LDL	0.15
Th-227	<LDL	<LDL	0.15
U-238	0.31	0.16	0.21
U-235	<LDL	<LDL	0.21
U-233/234	<LDL	<LDL	0.21

MR

Lab ID 0300699
Sample Location 49-01-EXT11-028

Isotope	dpm/sample	Uncertainty +/-	LDL
Pu-238	0.44	0.16	0.15
Pu-239/240	0.22	0.11	0.15
Po-210	0.84	0.43	0.57
Th-232	<LDL	<LDL	0.41
Th-230	<LDL	<LDL	0.52
Th-228	<LDL	<LDL	0.41
Th-227	0.28	0.13	0.15
U-238	<LDL	<LDL	0.68
U-235	<LDL	<LDL	0.25
U-233/234	<LDL	<LDL	0.25

MB

Lab ID 0300700
Sample Location 49-01-EXT16-029

Isotope	dpm/sample	Uncertainty +/-	LDL
Pu-238	<LDL	<LDL	0.14
Pu-239/240	<LDL	<LDL	0.14
Po-210	3.56	0.94	1.20
Th-232	<LDL	<LDL	0.22
Th-230	0.25	0.14	0.22
Th-228	<LDL	<LDL	0.22
Th-227	<LDL	<LDL	0.22
U-238	<LDL	<LDL	0.29
U-235	<LDL	<LDL	1.01
U-233/234	<LDL	<LDL	1.17

MB

Lab ID 0300701
Sample Location 49-01-EXT18-030

Isotope	dpm/sample	Uncertainty +/-	LDL
Pu-238	<LDL	<LDL	0.75
Pu-239/240	<LDL	<LDL	0.53
Po-210	5.00	1.11	0.59
Th-232	0.18	0.11	0.16
Th-230	<LDL	<LDL	0.16
Th-228	<LDL	<LDL	0.45
Th-227	<LDL	<LDL	0.16
U-238	0.29	0.17	0.26
U-235	<LDL	<LDL	0.26
U-233/234	<LDL	<LDL	0.26

MB

COPY

Bradley O Jones — [redacted] — 1/27/03
Analyst — HP # — Date

L. C. Hopkins — [redacted] — 1-27-03
Data Verification — HP # — Date

G 77 & 77

Appendix H

Radon Information

UNC Geotech

UNC Geotech
2597 B 3/4 Road
P.O. Box 14000
Grand Junction, Colorado 81502-5504
303/242-8621

April 12, 1990

Dennis Murphy
EG&G Mound Applied Technonogies
P.O. Box 3000
Mound Road
Miamisburg, OH 45343-3000

Dear Mr. Murphy:

I have enclosed the results of the radon measurements made at your site as part of the DOE Indoor Radon Study. A copy of these results can be provided in electronic format if desired. The results will be forwarded to the study sponsor, the DOE Office of Projects and Facilities Management, by the end of April.

Please contact me at FTS 326-6293 or commercial (303) 248-6293 if you have any questions.

Sincerely yours,

Mark D. Pearson

Mark D. Pearson
Project Manager
UNC Geotech

cc: DOE Points of Contact

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Bldg	Bldg Description	Room	pCi/l	pCi/l	Nonid	Dupid	Date	Date	Comments
21		ABOVE AIR SAMPLER	161.1	125.8	1670055	1666782	12/14/89	2/16/90	WET - OLD THORIUM STORAGE
21		ABOVE AIR SAMPLERS	116.7		1668588		12/14/89	2/16/90	WET - OLD THORIUM STORAGE
	SM	19 MID EAST WALL	6.8		1661547		12/12/89	2/19/90	HISTORY OF ELEVATED READINGS
48		114 B CLOSET ON SPRINKLER PIPE	3.2		1671292		12/12/89	2/19/90	
19		ROOM 1	2.6		1670051		12/12/89	2/19/90	
	OLD SO BLDG	BASEMENT RIGHT CABINET	2.4		1661555		12/14/89	2/19/90	
55		1 BELOW THERMOSTAT ON E WALL	2.1		1661515		12/18/89	2/19/90	
57		ROOM 1	1.9		1661565		12/12/89	2/19/90	
87		143	1.5		1661563		12/12/89	2/19/90	
998	FIRE STATION	ROOM 802 EQUIPMENT ROOM WITH SUMP	1.4		1654460		12/12/89	2/19/90	
24		ROOM 1 PLANT NORTH WALL	1.3		1672087		12/12/89	2/19/90	
	PAINT SHOP	PS 4	1.2		1661516		12/12/89	2/16/90	•
36		ROOM 3 EAST	1.1		1671262		12/12/89	2/16/90	
100		103 MIDDLE OF NORTH WALL	1.0		1670060		12/12/89	2/19/90	
37		6 NORTH WALL	1.0		1670046		12/12/89	2/19/90	
34		34-A WEST WALL	.9	.6	1672062	1672042	12/12/89	2/19/90	WET
102		123	.9		1661577		12/14/89	2/19/90	
61		RM 221 MIDDLE OF NORTH WALL	.9		1661565		12/13/89	2/19/90	
67		101 M	.8		1670029		12/12/89	2/19/90	
G-13	LOG	G-514 WEST WALL	.8		1661544		12/12/89	2/16/90	
	T	CORRIDOR 28	.8		1670039		1/15/90	2/19/90	
	T	153	.8		1670067		1/15/90	2/19/90	
	T	78	.8		1670077		1/15/90	2/19/90	
	T	38	.8		1661586		1/15/90	2/19/90	
105	PARTS MACHINING BUILDING	STAIRWELL NEXT TO ROOM 127	.8		1661564		12/12/89	2/19/90	
25	ARAC	3 ON BOOK CASE MIDDLE	.8		1671316		12/15/89	2/19/90	
68		1 ON DOOR TO ROOM 3	.8		1670049		12/12/89	2/19/90	
	A	153C CENTER CUBICLE WEST WALL	.8		1672056		12/14/89	2/16/90	
	C BUILDING OLD CAFETERIA	NORTHEAST SECTION INTERNAL WALL RM2	.8		1672052		12/12/89	2/16/90	
	R BUILDING	68 NORTH WALL	.8		1670060		12/13/89	2/16/90	
	SM	8 WEST WALL AT OLD RECOVERY	.8		1672057		12/11/89	2/16/90	
	WO BLDG	WO 8	.8		1670045		12/18/89	2/16/90	
87		124	.8		1670032		12/12/89	2/19/90	
88		ROOM 116 ON NORTH WALL RIGHT OF CEX	.7	.5	1661524	1661535	12/12/89	2/19/90	
89		101 NEAR BACK CORNER BY ROOF DRAIN	.7	.5	1666783	1668532	12/15/89	2/19/90	
22		RM 1 EAST CORRIDOR ON STORAGE RACK	.7		1670070		12/13/89	2/19/90	
56	FIRE PUMP HOUSE	ROOM 1 THERE IS ONLY 1 ROOM	.7		1670066		12/12/89	2/19/90	
	E ANNEX	E 225 EAST WALL	.7		1661552		12/18/89	2/16/90	
	POWER HOUSE PH-1	REPAIR SHOP NORTH EAST CORNER	.7		1670040		12/12/89	2/19/90	
	W BLDG	W-125	.7		1661553		12/12/89	2/16/90	
26		ROOM 84 SOUTH WEST WALL	.6	.9	1672046	1667159	12/13/89	2/16/90	
69		RM 7 ON NORTH WALL	.6	.4	1672044	1672077	12/12/89	2/19/90	
26		ROOM 84 SOUTH WEST WALL	.6		1671270		12/13/89	2/16/90	
35		RM 7	.6		1654458		12/14/89	2/19/90	
38	PP BLDG	PP CORR 136	.6		1670016		12/14/89	2/19/90	
72		ON OVERHEAD DOOR BEAM	.6		1672069		1/03/90	2/19/90	
93		HALLWAY 107 (MIDWAY)	.6		1661629		12/13/89	2/20/90	
98	FIRE STATION	ROOM 114 DORM	.6		1661507		12/12/89	2/19/90	
	COS	RM STAIRWELL AT BASEMENT LEVEL	.6		1672086		12/14/89	2/19/90	
	OSM	120 C	.6		1661573		12/12/89	2/16/90	
	SM	150 WEST END GAS BOX	.6		1670043		12/11/89	2/16/90	
	A	34 EAST WALL	.5	.7	1672075	1672051	12/14/89	2/16/90	
47		102 MIDDLE OF EAST WALL	.5	.5	1658110	1666819	12/12/89	2/16/90	

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Area	Bldg	Bldg Description	Room	Avg Radon pCi/l	Duplicate Radon pCi/l	Monid	Dupid	Monitor Install Date	Monitor Retrieve Date	Comments
	45		WORK STATION AREA	.6		1681568		12/14/89	2/19/90	
	46		81 EAST WALL	.4		1672070		12/12/89	2/19/90	
	49		WALL OUTSIDE RM 125	.4		1678020		12/14/89	2/19/90	
	51		187 TOP OF FUME HOOD	.4		1681575		12/12/89	2/19/90	
	63		ROOM 134	.4		1672059		12/12/89	2/20/90	
	63N		RM 4	.4		1678078		12/14/89	2/19/90	
	65		ROOM 10 CONFERANCE ROOM	.4		1671284		12/14/89	2/19/90	
	66		OFFICE AREA	.4		1681554		12/12/89	2/19/90	
	68		EAST WALL CENTER BEAM	.6		1681555		12/14/89	2/19/90	
	69		RM 10A	.4		1681576		12/12/89	2/19/90	
	70		170 MEETING ROOM CENTER WALL	.4		1678041		12/12/89	2/19/90	
	88		ROOM 116	.4		1671295		12/12/89	2/19/90	
	95	SH/PP	95- BLD-ROOM41	.4		1661531		12/12/89	2/20/90	
		DS BUILDING	CORRIDOR 2 - 6 FT. ABOVE FLOOR	.4		1678071		12/13/89	2/19/90	
		I	I HALLWAY	.4		1667194		12/12/89	2/19/90	
		N BUILDING	N 21 WEST WALL	.4		1678057		12/15/89	2/20/90	
		POWER HOUSE PH-1	OFFICE SUPERVISOR	.4		1678036		12/12/89	2/19/90	
		R BUILDING	12 SOUTH WALL	.4		1681566		12/13/89	2/19/90	
	34		BURN ROOM			1654481		12/12/89		BURNT (NOT AVAILABLE)
	61		RM 151			1681567		12/13/89		MISSING

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Bldg	Bldg Description	Room	Avg Radon pCi/l	Duplicate Radon pCi/l	Monid	Dupid	Monitor Install Date	Monitor Retrieve Date	Comments
	R BUILDING	143 NEXT TO NORTH WALL	.5	.5	1666533	1666816	12/13/89	2/16/90	
101		ROOM 5 ON SOUTH WEST WALL IN OFFSET	.5		1671280		12/12/89	2/19/90	
	"B" 175	175 WEST WALL	.5		1678048		12/12/89	2/16/90	
26		ELECTRICAL PANEL RM IN ELEC/RONICS	.5		1678062		12/12/89	2/19/90	
40		100	.5		1654480		12/13/89	2/16/90	
43		1 EAST WALL OVER WATER DISPENSER	.5		1678076		12/12/89	2/20/90	
44		ON BULLETTIN BOARD	.5		1678047		12/12/89	2/16/90	
47		102 MIDDLE OF EAST WALL	.5		1678059		12/12/89	2/16/90	
50		CELL 113	.5		1661582		12/13/89	2/19/90	
79		CENTRAL HALLWAY WEST OF DOOR TO RM7	.5		1661605		12/18/89	2/16/90	
89		101 NEAR BACK CORNER BY ROOF DRAIN	.5		1678079		12/15/89	2/19/90	
91		1ST FLOOR	.5		1661525		12/15/89	2/16/90	
91		2ND FLOOR OUTSIDE RM215	.5		1661593		12/15/89	2/16/90	
92		HALLWAY RIGHT OFF ROOM 8	.5		1661509		12/12/89	2/19/90	
94		BAY 2 NORTH WALL	.5		1654477		12/12/89	2/19/90	
	A	215 WEST WALL	.5		1661572		12/14/89	2/16/90	
	A	1060 WEST WALL	.5		1661580		12/14/89	2/16/90	
	COS	119 N WALL NEAR PUNCH PRESS	.5		1654456		12/12/89	2/19/90	
	COS	319 WALL CABINET TO RIGHT OF SINK	.5		1661590		12/12/89	2/19/90	
	E BUILDING	159 WEST WALL	.5		1678033		12/14/89	2/16/90	
	E BUILDING	103 WEST WALL	.5		1678072		12/14/89	2/16/90	
	E ANNEX	E 212 NORTH WALL	.5		1661587		12/18/89	2/16/90	
	GH BUILDING	ROOM 2	.5		1678065		12/12/89	2/16/90	
	GP 81	1A MIDDLE OF WEST WALL	.5		1678054		12/12/89	2/19/90	
	H BLDG	ROOM 127	.5		1661571		12/12/89	2/16/90	
	HH	HH-8	.5		1671269		12/18/89	2/19/90	
	I BUILDING	BASEMENT LEFT CRAWL SPACE DOOR	.5		1671260		12/12/89	2/18/90	
	K BUILDING	K 108	.5		1678056		12/15/89	2/19/90	
	OSE	CORRIDOR 437	.5		1661536		12/15/89	2/16/90	
	OSE	CORRIDOR 301 ACROSS FROM WATER FOUN	.5		1672084		12/15/89	2/16/90	
	OSN	4HT FLOOR	.5		1678028		12/12/89	2/16/90	
	OSE	CORR 212 SOUTH WALL NEAR 218 DOOR	.5		1678036		12/15/89	2/16/90	
	OSN	319	.5		1678069		12/13/89	2/16/90	
	OSN	2ND FLOOR	.5		1661611		12/12/89	2/16/90	
	POWER HOUSE PH-1	STATIONARY BOARD CORNER	.5		1678073		12/12/89	2/19/90	
	R BUILDING	145 WEST WALL ABOVE BALANCE	.5		1654538		12/14/89	2/16/90	
	SN/R TRITIUN COMPLEX	128 OVER LARGE METAL FLOOR DISC	.5		1678019		12/12/89	2/16/90	
	W BLDG	W135 WEST CENTRAL WALL	.5		1671293		12/12/89	2/16/90	
	WO BLDG	WOA 110	.5		1671301		12/18/89	2/16/90	
	"B" 124	EAST WALL	.5		1667189		12/12/89	2/16/90	
	OSE	113 BULLETIN BOARD OPPOSITE ELEVATO	.5		1678027		12/15/89	2/16/90	
TF-2		114 EAST WALL CENTER OF ROOM	.4		1678064		12/12/89	2/19/90	
	HH	HH-24	.4		1667187		12/14/89	2/19/90	
	OS BUILDING	CORRIDOR 7 NEXT TO ROOM 216	.4		1661614		12/13/89	2/19/90	
	GP 81	1A MIDDLE OF WEST WALL	.4	.5	1672135	1661542	12/12/89	2/19/90	
105	PARTS MACHINING BUILDING	136 QC OFFICE	.4		1678017		12/12/89	2/19/90	
27		CELL 6 - HALL	.4		1661583		12/12/89	2/19/90	
28	CERAMIC PRODUCTION	101	.4		1672061		12/12/89	2/19/90	
29		HALLWAY	.4		1672105		12/14/89	2/19/90	
	TEST FIRE BUILDING 3	3-315	.4		1672036		12/12/89	2/19/90	
38	PP BLDG	PP CORR 16/BAY 2 WALL	.4		1661570		12/14/89	2/19/90	
39		BREAK RM	.4		1678050		12/14/89	2/19/90	
42		101 B EAST WALL	.4		1678031		12/13/89	2/19/90	

H4 084

Appendix I

Asbestos Information

MOUND

INTEROFFICE CORRESPONDENCE

Date: December 31, 2002

From: Christopher Ahlquist
SMPP/TFV Safety & Health

To: Lee Koehmstedt
SMPP/TFV Engineering

Re: Building 49: Asbestos-Containing Materials

During December of 2002, Mr. Christopher Ahlquist, an Industrial Hygienist with BWXT of Ohio, Inc. (BWXT), completed a survey of Building 49 at the Mound site in Miamisburg, Ohio for purpose of identifying asbestos-containing materials contained therein. Mr. Ahlquist is an Ohio Department of Health Certified Asbestos Hazard Evaluation Specialist as required by Ohio Department of Health regulations. During the course of the survey, Mr. Ahlquist reviewed previous survey reports and sampling data and collected additional bulk samples of materials found within Building 49 as necessary in order to determine the asbestos content of said materials. A room-by-room inspection of all accessible spaces was then conducted in order to prepare an inventory of the location and approximate quantities of identified asbestos-containing materials. Seven (7) distinct types of materials were found to contain greater than one percent (>1%) asbestos content which defines a material as asbestos-containing by EPA and OSHA regulations. No asphalt roofing materials were sampled during the course of this or previous referenced surveys, and all such materials should be assumed to contain asbestos until analysis indicates otherwise. In addition, nonfriable floor tiles were not included within the scope of this investigation.

Sample Method

During BWXT's survey bulk samples were collected utilizing sampling methods and protocol specified in the EPA's Asbestos Hazard Emergency Response Act (AHERA). Each sample was collected and placed in a clean, sealable hard-shell container and labeled with a unique sample identification number. Pertinent information was recorded on a Bulk Sample Data Sheet including sample identification number, date of inspection, name of inspector, building name, a brief description and location of the sample, and the type of material sampled (e.g., preformed-block pipe insulation, aircell-paper pipe insulation, etc.).

Analysis of Samples

The samples were submitted to either DataChem Laboratories of Cincinnati, Ohio or Schneider Laboratories of Richmond, Virginia and analyzed for asbestos content by PLM and dispersion staining (Method Reference: 40 CFR Part 763, Volume 47, No. 103, May 27, 1982 pg. 23376). This analytical method, which the EPA currently recommends for

P.O. Box 3000 Miamisburg, Ohio 45343-3000 (513) 865-4020

the determination of asbestos in bulk samples of suspect materials, can be used for qualitative identification of six morphologically different types of asbestos fibers: chrysotile, amosite, crocidolite, anthophyllite, tremolite, and actinolite asbestos. The method specifies that the asbestos content in a bulk sample shall be estimated and reported as a finite percentage (rounded to the nearest percentage) within the range of 0 to 100. The result of the bulk sample analysis is reported in a standard written laboratory report. This report includes the client name, the project number, the laboratory identification number, the sample number assigned to the bulk sample upon receipt at the laboratory, and the field number assigned to the bulk sample upon collection at the site. If the bulk sample contains more than one distinct layer of material, each layer is analyzed separately. The composition of the bulk sample is reported in percentages of asbestos (i.e., cellulose, fiberglass, or other) components. The results of the sample analyses can be found on the laboratory reports.

Both analyzing laboratories are accredited by the National Voluntary Laboratory Accreditation Program (NVLAP). NVLAP is the agency sponsored by the National Institute of Standards and Technology providing EPA accreditation of laboratories analyzing bulk samples for asbestos content.

Conclusions

The locations of asbestos-containing materials identified, material descriptions, quantities, and other pertinent information can be found on *Table: Inventory of Asbestos-Containing Materials* attached with this report. Seven (7) different materials (each represented by a unique assigned homogeneous area number) were identified through analysis or assumption to be asbestos-containing (>1%) per EPA and OSHA definition. Since the building is scheduled for demolition, the EPA regulates activities related to asbestos-containing materials identified within or on the structure. The EPA will have to be notified in writing on the proper forms and all asbestos-containing materials (with the possible exception of Category I nonfriable roofing and resilient floor coverings) removed before demolition can occur. Removal activities must be accomplished by properly trained individuals employing appropriate work methods and engineering controls.

Please call with any questions or concerns.

Respectfully,

Christopher Ahlquist
Industrial Hygienist

TABLE: INVENTORY OF ASBESTOS-CONTAINING MATERIALS
BUILDING 49
DECEMBER 31, 2002

Location of ACM	Material Description	Homo-geneous Area No.	Type ACM	Material Quantity (approx.)
The following areas were located in the Ground Level:				
Room 101, pipes	No drip pipe insulation	1	TSI	20 lf
Room 101, wall penetration	Fire stop putty	4	Misc.	2 pts
Room 101, light fixtures	Explosion proof light fixture gasket, Type I	5	Misc.	90 lf
Room 101, pipes above ceiling	No drip pipe insulation	1	TSI	30 lf
Room 102, pipes	No drip pipe insulation	1	TSI	30 lf
Room 102, wall penetration	Fire stop putty	4	Misc.	2 pts
Room 102, light fixtures	Explosion proof light fixture gasket, Type I	5	Misc.	70 lf
Room 103, light fixtures	Explosion proof light fixture gasket, Type I	5	Misc.	300 lf
Room 103, light fixtures above ceiling	Explosion proof light fixture gasket, Type I	5	Misc.	30 lf
Room 104, pipes above ceiling	Cementitious fitting insulation between sections of fiberglass pipe insulation	2	TSI	2 ftgs
Room 104, light fixtures	Explosion proof light fixture gasket, Type I	5	Misc.	40 lf
Rooms 106/107, light fixtures	Explosion proof light fixture gasket, Type I	5	Misc.	460 lf
Rooms 106/107, pipes above ceiling	Cementitious fitting insulation between sections of fiberglass pipe insulation	2	TSI	2 ftgs
Rooms 106/107, light fixtures above ceiling	Explosion proof light fixture gasket, Type I	5	Misc.	30 lf
Corridor 128, pipes above ceiling	No drip pipe insulation	1	TSI	25 lf
Corridor 128, pipes above ceiling	Cementitious fitting insulation between sections of fiberglass pipe insulation	2	TSI	10 ftgs

I 3 of 5

TABLE: INVENTORY OF ASBESTOS-CONTAINING MATERIALS
BUILDING 49
DECEMBER 31, 2002

Location of ACM	Material Description	Homo-geneous Area No.	Type ACM	Material Quantity (approx.)
The following areas were located in the Ground Level (continued):				
Room 110, pipes above ceiling	Cementitious fitting insulation between sections of fiberglass pipe insulation	2	TSI	3 ftgs
Rooms 114/115, pipes above ceiling	Cementitious fitting insulation between sections of fiberglass pipe insulation	2	TSI	5 ftgs
Rooms 116/117/118/120, pipes above ceiling	Cementitious fitting insulation between sections of fiberglass pipe insulation	2	TSI	4 ftgs
Rooms 116/117/118/120, debris above ceiling	Pipe insulation debris	2	TSI	2 sf
Pipe chase between Rooms 117 and 120, debris	Pipe insulation debris	2	TSI	25 sf
Room 119 and Corridor 121, pipes above ceiling	Cementitious fitting insulation between sections of fiberglass pipe insulation	2	TSI	2 ftgs
Room 122, pipes	Cementitious fitting insulation between sections of fiberglass pipe insulation	2	TSI	6 ftgs
Room 122, wall penetration	Fire stop putty	4	Misc.	1 pt
Room 123, pipes above ceiling	Cementitious fitting insulation between sections of fiberglass pipe insulation	2	TSI	2 ftgs
Room 123, debris above ceiling	Pipe insulation debris	2	TSI	2 sf
Room 124, pipe	Cementitious fitting insulation between sections of fiberglass pipe insulation	2	TSI	1 ftg
Room 124, pipes above ceiling	Cementitious fitting insulation between sections of fiberglass pipe insulation	2	TSI	22 ftgs
Room 124, debris above ceiling	Pipe insulation debris	2	TSI	20 sf
Room 125, light fixtures	Explosion proof light fixture gasket, Type I	5	Misc.	120 lf
Room 125, pipes above ceiling	Cementitious fitting insulation between sections of fiberglass pipe insulation	2	TSI	1 ftg

I 4 of 5

TABLE: INVENTORY OF ASBESTOS-CONTAINING MATERIALS
BUILDING 49
DECEMBER 31, 2002

Location of ACM	Material Description	Homo-geneous Area No.	Type ACM	Material Quantity (approx.)
The following areas were located in the Ground Level (continued):				
Room 127, light fixtures	Explosion proof light fixture gasket, Type I	5	Misc.	40 lf
Room 134, light fixtures	Explosion proof light fixture gasket, Type II	6	Misc.	100 lf
The following areas were located in the Roof Level:				
Penthouse 201P, pipes	Cementitious fitting insulation between sections of fiberglass pipe insulation	2	TSI	75 ftgs
Penthouse 201P, pipes	Preformed-block pipe insulation	3	TSI	15 lf
Penthouse 201P, loose stock	Wet surface roof cement	7	Misc.	<1 cf
The following areas were located outside of the building:				
Steam supply and return lines on west side of building, pipes	Preformed-block pipe insulation	3	TSI	120 lf

Notes:

TSI = Thermal Systems Insulation
Misc. = Miscellaneous Material
lf = Linear feet
sf = Square feet
cf = Cubic feet
ftg = Fitting
pt = Point of application

Asbestos-containing homogeneous area number description:

1 - No drip pipe insulation
2 - Cementitious fitting insulation between sections of fiberglass pipe insulation
3 - Preformed-block pipe insulation
4 - Fire stop putty
5* - Explosion proof light fixture gasket, Type I
6* - Explosion proof light fixture gasket, Type II
7 - Wet surface roof cement (loose stock, bucket)

*Each individual light fixture contained 10 linear feet of asbestos gasketing.

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Appendix J

Lead Information

Date: January 29, 2002

From: Christopher Ahlquist
SMPP/TFV Project Team
Health & Safety

To: Robert Ransbottom
SMPP/TFV Project Team
Project Engineering

Re: Buildings 3 and 49 – Lead Paint Screen

In response to your request, a screen for lead-based paint was conducted on January 25, 2002 within and on selected areas of Mound Buildings 3 and 49, currently occupied by Perkin Elmer personnel. The screen was targeted toward determining the approximate lead content of damaged and/or deteriorated paint coatings noted in conjunction with the referenced buildings. Approximate lead concentrations were determined in the field using a Niton Model XL-309 XRF lead detector which yields results expressed as milligrams of lead per square centimeter (mg/cm^2) of surface sampled. The US Department of Housing and Urban Development (HUD) and the Ohio Department of Health (ODH) have established a level of concern for lead in paint of 1.0 mg/cm^2 for private and public housing as well as daycare facilities. This level of lead in paint is generally accepted as representing the "standard of care" for determining lead-based paint hazards, with respect to paint coatings, during risk assessment investigations.

Building 3

None of the fifteen (15) readings collected from mostly damaged and/or deteriorated paint coatings noted on surfaces within Building 3 were found to contain lead above the HUD/ODH level. These interior readings were found to contain lead in concentrations ranging from 0.00 mg/cm^2 to 0.47 mg/cm^2 (with a range of precision between +/- 0.00 mg/cm^2 and 0.14 mg/cm^2).

Neither of the two (2) readings collected from deteriorated paint on the exterior wall of the building was found to contain lead. These readings indicated 0.00 mg/cm^2 (+/- 0.03 and 0.06 mg/cm^2).

Four (4) of the readings collected from deteriorated paint on various components of the dust collection system located outside to the rear of the building were found to contain lead above the HUD/ODH level. These interior readings were found to contain lead in concentrations ranging from 0.98 mg/cm^2 to 7.59 mg/cm^2. Three (3) additional readings collected from components of this system were relatively close to the HUD/ODH level (between 0.78 mg/cm^2 and 0.89 mg/cm^2), and two (2) were well below the level of concern 0.02 mg/cm^2 and 0.09 mg/cm^2). In sum, the paint on the dust collection system can be considered to be in excess of the level of concern.

Building 49

None of the six (6) readings collected from damaged and/or deteriorated paint coatings noted on surfaces within Building 49 were found to contain lead above the HUD/ODH level. These interior readings were found to contain lead in concentrations ranging from 0.00 mg/cm^2 to 0.11 mg/cm^2 (with a range of precision between +/- 0.01 mg/cm^2 and 0.18 mg/cm^2).

Summary and Conclusion

The only damaged or deteriorated paint coatings noted in connection with Buildings 3 and 49 which were found to contain lead at or above the HUD/ODH level of concern were those applied to the dust collection system located to the rear of Building 3. These paint coatings were found to be generally weathered and peeling. No excessive amounts of resultant paint chips or debris was seen at the time of the paint screen survey. The noted dust collection paint coatings were located entirely outdoors and would not currently present a hazard to building occupants unless disturbed.

The lead paint screen accomplished during the course of this survey was not a complete or formal lead-based paint inspection or risk assessment. Only those specific paint coatings referenced on the Niton lead reading log were actually screened.

Enclosed with this summary report is a copy of the readout generated by the Niton XRF for the lead readings accomplished.

Please call with any questions or concerns.

Respectfully,

Christopher Ahlquist
Industrial Hygienist

Serial #XL309-U1059NR1794 Site: Buildings 3 & 49 Date: 1/25/2002

No	XLNo	Site	Insp	Flr	Side	Room	Strc	Sub	Feat	Cnd	Clr	Note	Ssec	Date/Time	Cycle	DI	Res	Pbl ± Prec	Pbk ± Prec	Pbc ± Prec
1	1					Shutter Cal 1							40.3	1/25/2002 09:44:03	1 of 1	0.0	...	NA	NA	NA
2	2					Calibration							15.6	1/25/2002 09:45:05	1 of 1	1.0	INCOM	1.12 ± 0.10	0.44 ± 0.72	1.12 ± 0.10
3	3					Calibration							79.5	1/25/2002 09:45:53	1 of 1	2.3	POS	1.46 ± 0.12	0.60 ± 0.31	1.46 ± 0.12
4	4	3	CAA	Outside	Rear	Filter box	Panel	Metal		Peeling	Grey		102.2	1/25/2002 09:52:48	1 of 1	10.0	NEG	0.09 ± 0.28	-0.84 ± 0.28	0.09 ± 0.28
5	5	3	CAA	Outside	Rear	Round filter unit	Support leg	Metal		Peeling	Grey		40.8	1/25/2002 09:57:14	1 of 1	1.8	POS	>>5.0	7.40 ± 0.65	7.40 ± 0.65
6	6	3	CAA	Outside	Rear	Exhaust line	Pipe	Metal		Peeling	Grey		21.0	1/25/2002 09:59:03	1 of 1	1.6	NEG	0.89 ± 0.14	0.52 ± 0.76	0.89 ± 0.14
7	7					Shutter Cal 1							40.4	1/25/2002 10:07:45	1 of 1	0.0	...	NA	NA	NA
8	8	3	CAA	Ground		301	Wall - N	Concrete		Peeling	Creme	(pale grn)	81.3	1/25/2002 10:08:44	1 of 1	2.9	NEG	0.06 ± 0.04	-0.08 ± 0.32	0.06 ± 0.04
9	9	3	CAA	Ground		302	Wall - N	Concrete	Block	Peeling	Creme	(pale grn)	67.6	1/25/2002 10:12:12	1 of 1	1.2	NEG	0.01 ± 0.01	-0.08 ± 0.35	0.01 ± 0.01
10	10	3	CAA	Ground		303	Ceiling	Plaster		Water dmg.	White		26.3	1/25/2002 10:20:33	1 of 1	1.0	NEG	0.00 ± 0.00	-0.26 ± 0.59	0.00 ± 0.00
11	11	3	CAA	Ground		304	Wall - S	Concrete	Block	Minor peel	Creme		47.0	1/25/2002 10:22:47	1 of 1	1.0	NEG	0.00 ± 0.01	-0.04 ± 0.41	0.00 ± 0.01
12	12	3	CAA	Ground		Corridor 2	Wall - S	Concrete	Block	Peeling	Creme	(yellow)	63.0	1/25/2002 10:25:39	1 of 1	2.8	NEG	0.10 ± 0.05	-0.04 ± 0.36	0.10 ± 0.05
13	13	3	CAA	Ground		305	Wall - E	Concrete	Block	Minor peel	Yellow		51.5	1/25/2002 10:29:38	1 of 1	1.0	NEG	0.00 ± 0.02	-0.19 ± 0.40	0.00 ± 0.02
14	14	3	CAA	Ground		310	Wall - N	Concrete	Block	Intact	Creme	(yellow)	21.6	1/25/2002 10:33:35	1 of 1	1.0	NEG	0.00 ± 0.00	-0.05 ± 0.63	0.00 ± 0.00
15	15	49	CAA	Ground		136	Ceiling	Plaster		Water dmg.	White		26.2	1/25/2002 10:48:36	1 of 1	1.0	NEG	0.00 ± 0.01	-0.56 ± 0.61	0.00 ± 0.01
16	16	49	CAA	Ground		136	Ceiling	Plaster		Water dmg.	White		21.6	1/25/2002 10:49:40	1 of 1	1.0	NEG	0.00 ± 0.03	-0.07 ± 0.68	0.00 ± 0.03
17	17	49	CAA	Ground		130	Wall - S	Drywall		Peeling	Yellow		44.5	1/25/2002 10:51:40	1 of 1	1.0	NEG	0.00 ± 0.02	0.16 ± 0.37	0.00 ± 0.02
18	18	49	CAA	Ground		130	Wall - W	Drywall		Peeling	Yellow		33.1	1/25/2002 10:53:22	1 of 1	1.0	NEG	0.00 ± 0.01	-0.05 ± 0.40	0.00 ± 0.01
19	19	49	CAA	Roof	Middle		Ladder	Metal		Peeling	Grey		29.6	1/25/2002 11:00:04	1 of 1	1.0	NEG	0.00 ± 0.01	-0.47 ± 0.59	0.00 ± 0.01
20	20	49	CAA	Roof		201P	Wall - E	Metal		Intact	Yellow		40.6	1/25/2002 11:04:18	1 of 1	6.2	NEG	0.11 ± 0.18	-0.29 ± 0.40	0.11 ± 0.18
21	21	3	CAA	Ground		316	Wall - W	Concrete	Block	Peeling	Taupe		67.9	1/25/2002 11:10:18	1 of 1	1.0	NEG	0.01 ± 0.01	-0.11 ± 0.34	0.01 ± 0.01
22	22	3	CAA	Ground	At 319	316	Door frame	Metal		Minor peel	Creme	(blue)	63.4	1/25/2002 11:15:10	1 of 1	2.7	NEG	0.10 ± 0.04	-0.19 ± 0.40	0.10 ± 0.04
23	23	3	CAA	Ground	At 317	316	Door frame	Metal		Minor peel	Taupe		45.1	1/25/2002 11:21:33	1 of 1	2.7	NEG	0.15 ± 0.06	-0.65 ± 0.48	0.15 ± 0.06
24	24	3	CAA	Ground		316	Wall - S	Concrete	Block	Minor peel	Creme		67.6	1/25/2002 11:24:26	1 of 1	1.0	NEG	0.00 ± 0.02	0.17 ± 0.34	0.00 ± 0.02
25	25	3	CAA	Ground		326	Wall - E	Concrete	Block	Intact	Blue		74.6	1/25/2002 11:29:44	1 of 1	1.6	NEG	0.00 ± 0.03	-0.28 ± 0.34	0.00 ± 0.03
26	26	3	CAA	Ground		332-1	Wall - S	Concrete	Block	Peeling	Creme		62.8	1/25/2002 11:35:44	1 of 1	5.9	NEG	0.44 ± 0.14	0.34 ± 0.41	0.44 ± 0.14
27	27	3	CAA	Ground		331-1	Tank	Metal		Peeling	Silver		56.1	1/25/2002 11:41:03	1 of 1	1.0	NEG	0.47 ± 0.05	0.40 ± 0.42	0.47 ± 0.05
28	28	3	CAA	Ground		312	Ceiling	Plaster		Water dmg.	White		19.4	1/25/2002 11:45:39	1 of 1	1.7	NEG	0.00 ± 0.07	-0.41 ± 0.68	0.00 ± 0.07
29	29	3	CAA	Outside	Rear	Square filter unit	Cross-brace	Metal		Peeling	Grey	(tan)	45.8	1/25/2002 11:50:01	1 of 1	1.6	NEG	0.78 ± 0.09	0.21 ± 0.48	0.78 ± 0.09
30	30	3	CAA	Outside	Rear	Round filter unit	Support leg	Metal		Peeling	Grey	(tan)	25.9	1/25/2002 11:52:11	1 of 1	1.8	POS	4.20 ± 1.90	4.76 ± 0.77	4.76 ± 0.77
31	31	3	CAA	Outside	Rear	Square filter unit	Support leg	Metal		Peeling	Grey	(tan)	23.9	1/25/2002 11:53:42	1 of 1	1.8	NEG	0.02 ± 0.04	-0.66 ± 0.70	0.02 ± 0.04
32	32	3	CAA	Outside	Rear	Square filter unit	Panel	Metal		Peeling	Grey	(tan)	34.2	1/25/2002 11:54:58	1 of 1	1.4	NEG	0.85 ± 0.10	0.56 ± 0.56	0.85 ± 0.10
33	33	3	CAA	Outside	Rear	Round filter unit	Panel	Metal		Peeling	Grey	(tan)	29.9	1/25/2002 11:56:53	1 of 1	2.2	POS	>>5.0	7.59 ± 0.76	7.59 ± 0.76
34	34	3	CAA	Outside	Rear	Square filter unit	Cross-brace	Metal		Peeling	Grey	(tan)	68.6	1/25/2002 11:58:44	1 of 1	2.1	POS	0.98 ± 0.10	0.26 ± 0.40	0.98 ± 0.10
35	35	3	CAA	Outside	Rear		Wall - S	Concrete	Block	Minor peel	Creme		23.6	1/25/2002 12:01:32	1 of 1	1.0	NEG	0.00 ± 0.03	-0.27 ± 0.64	0.00 ± 0.03
36	36	3	CAA	Outside	Rear		Wall - S	Concrete	Block	Minor peel	Creme		33.0	1/25/2002 12:02:49	1 of 1	1.3	NEG	0.00 ± 0.06	0.03 ± 0.48	0.00 ± 0.06

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Appendix K

Chemical Information

Chemicals known to have been in Building 49

Accu pak
Acetone
Adhesive 910
Adhesive 910 permabond
Adhesive, silicone rubber
Adiprene L-100
Adripone
Alcohol
Aluminum silicafluoride
Apiezon grease
Armstrong A2 ADH.
Beta eucryptite
Cab-O-Sil
Calcium state
Conductive silver paint
Curing agent – U
Cutting oil (AWC)
Cyanacure
DC-1200 primer
Developer, starter, Kodak
Di butyl tin
Diethanoloamine
Duo-seal pump oil
EA-956
Eccospheres
Epon 815
Epon 828
Epoxy 8822 A & B
Ethyl alcohol
Fixer, Kodak PN 146-4114
Flux solder, formula 817
Flux-formula 197
Freon-TF
Halthane 7318
Halthane 88-2
Hexane, reagent
HMX
HNAB
HNS
HNS-FP
Hysol 934 A & B (quart kits)
Isopropyl alcohol
Isoverre stripper
Kodak duraflow developer
Kodak fixer 146-4114
Kodak photo-flo
Kodak photo-flo 200
Lacquer
Lacquer thinner
Leak-tec
Locktite (tac pak)
Loctite 271
Markem cleaner
Markem ink
Met-all
Micro balloons
Microspheres
MOCA
Mold release 225
Mold release MS-122
Nitrogen
Nitrogen dry
Nuocure #28
Oxygen
Perma Bond 910
PETN
Polyamide-epoxy
Primer-SS-4155
Q dope
RDX
Rosin flux remover
RTV 3140
RTV 630
RTV-11
Soldering flux
Sylgard 184
Sylgard primer
TATB
Titanium dioxide
Trichloroethylene
Versamid 140
Zinc stearate

Appendix L

Soil Sampling, Vicinity

Historic Sample Locations within 15 feet of Building 49 and Shed

Sample Detects
Sample NonDetects Outline

N
W
E
S

MOUND

Environmental Restoration Geographic Information System

25 0 25 50 75 100 Feet

e:\cad_proj\bldg_49\esri\bldg49090402.apr

09/04/02

Building 49 Detects

Location_na	Sample_i	Collection_	Value_name	Measured_valu	Value_u	Detection_li	Start_	End_d	Lab	Dat	Project_cod	Comments
TF79	000323	20010718	1,2-Dichloroethene	3100.000	UG/KG		8.0	12.0	D		TF2001	
TF79	000324	20010718	1,2-Dichloroethene	470.000	UG/KG		12.0	16.0	D		TF2001	
TF79	000327	20010718	1,2-Dichloroethene	300.000	UG/KG		24.0	28.0	D		TF2001	
TF79	000325	20010718	1,2-Dichloroethene	240.000	UG/KG		16.0	20.0	D		TF2001	
TF81	000252	20010712	1,2-Dichloroethene	140.000	UG/KG		4.0	8.0			TF2001	
TF79	000322	20010718	1,2-Dichloroethene	110.000	UG/KG		4.0	8.0			TF2001	
TF79	000326	20010718	1,2-Dichloroethene	79.000	UG/KG		20.0	24.0			TF2001	
SGC061	A13061	19960208	1,2-Dichloroethene	36.000	UG/KG		0.0	3.0			SGCSP	
TF79	000329	20010718	1,2-Dichloroethene	25.000	UG/KG		32.0	36.0			TF2001	
TF79	000328	20010718	1,2-Dichloroethene	2.000	UG/KG		28.0	32.0	J		TF2001	
SGC061	A13061	19960208	Acetone	11000.000	UG/KG		0.0	3.0	BD		SGCSP	
TF85	000283	20010716	Acetone	44.000	UG/KG		8.0	12.0		J	TF2001	
TF81	000228	20010711	Acetone	34.000	UG/KG		12.0	16.0			TF2001	
TF75	000339	20010718	Acetone	32.000	UG/KG		32.0	36.0			TF2001	
TF76	000126	20010720	Acetone	25.000	UG/KG		8.0	12.0			TF2001	
TF76	000125	20010718	Acetone	22.000	UG/KG		8.0	12.0			TF2001	
TF85	000289	20010716	Acetone	19.000	UG/KG		28.0	30.0			TF2001	
TF79	000327	20010718	Acetone	19.000	UG/KG		24.0	28.0			TF2001	
TF78	000212	20010710	Acetone	19.000	UG/KG		0.0	4.0			TF2001	
TF75	000336	20010718	Acetone	19.000	UG/KG		20.0	24.0			TF2001	
TF85	000285	20010716	Acetone	17.000	UG/KG		16.0	20.0			TF2001	
TF75	000337	20010720	Acetone	17.000	UG/KG		24.0	28.0			TF2001	
TF85	000287	20010716	Acetone	16.000	UG/KG		20.0	24.0			TF2001	
TF79	000325	20010718	Acetone	16.000	UG/KG		16.0	20.0			TF2001	
SGC061	A13061	19960208	Acetone	16.000	UG/KG		0.0	3.0	B		SGCSP	
TF76	000124	20010718	Acetone	14.000	UG/KG		4.0	8.0			TF2001	
TF75	000335	20010718	Acetone	14.000	UG/KG		16.0	20.0			TF2001	
TF85	000286	20010716	Acetone	12.000	UG/KG		16.0	20.0			TF2001	
TF79	000322	20010718	Acetone	12.000	UG/KG		4.0	8.0			TF2001	
TF75	000331	20010718	Acetone	8.000	UG/KG		0.0	4.0	J		TF2001	
TF75	000330	20010718	Actinium-227	0.858	PCI/G	0.6040	0.0	4.0	J		TF2001	123
TF78	000218	20010710	Actinium-227	0.186	PCI/G	0.1514	20.0	24.0			TF2001	2
SGC061	A13061	19960208	Aluminum	5670.000	MG/KG		0.0	3.0			SGCSP	
SGC059	A13059	19960208	Aluminum	4400.000	MG/KG		0.0	3.0			SGCSP	
SGC056	A13056	19960208	Aluminum	1610.000	MG/KG		0.0	1.5			SGCSP	
SGC058	A13058	19960221	Aluminum	1260.000	MG/KG		0.0	0.0			SGCSP	
TF79	000322	20010718	Americium-241	0.056	PCI/G	0.0316	4.0	8.0			TF2001	
TF82	000244	20010712	Americium-241	0.051	PCI/G	0.0457	0.0	4.0			TF2001	
SGC056	A13056	19960208	Antimony	0.610	MG/KG		0.0	1.5	B		SGCSP	
SGC061	A13061	19960208	Arsenic	5.400	MG/KG		0.0	3.0			SGCSP	

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Location_na	Sample_i	Collection_	Value_name	Measured_valu	Value_u	Detection_li	Start_	End_d	Lab Dat	Project_cod	Comments
SGC059	A13059	19960208	Arsenic	4.700	MG/KG		0.0	3.0		SGCSP	
SGC056	A13056	19960208	Arsenic	3.500	MG/KG		0.0	1.5	B	SGCSP	
SGC058	A13058	19960221	Arsenic	3.100	MG/KG		0.0	0.0		SGCSP	
SGC059	A13059	19960208	Barium	65.100	MG/KG		0.0	3.0		SGCSP	
SGC061	A13061	19960208	Barium	49.300	MG/KG		0.0	3.0		SGCSP	
SGC056	A13056	19960208	Barium	14.700	MG/KG		0.0	1.5	B	SGCSP	
SGC058	A13058	19960221	Barium	13.300	MG/KG		0.0	0.0	B	SGCSP	
SGC058	A13058	19960221	Benzo(a)anthracene	29.000	UG/KG		0.0	0.0	J	SGCSP	
SGC058	A13058	19960221	Benzo(a)pyrene	28.000	UG/KG		0.0	0.0	J	SGCSP	
SGC058	A13058	19960221	Benzo(b)fluoranthene	17.000	UG/KG		0.0	0.0	J	SGCSP	
SGC058	A13058	19960221	Benzo(g,h,i)perylene	13.000	UG/KG		0.0	0.0	J	SGCSP	
SGC058	A13058	19960221	Benzo(k)fluoranthene	22.000	UG/KG		0.0	0.0	J	SGCSP	
SGC061	A13061	19960208	Beryllium	0.100	MG/KG		0.0	3.0	B	SGCSP	
SGC061	A13061	19960208	Bis(2-ethylhexyl)phthalate	28.000	UG/KG		0.0	3.0	J	SGCSP	
SGC056	A13056	19960208	Bis(2-ethylhexyl)phthalate	27.000	UG/KG		0.0	1.5	J	SGCSP	
SGC058	A13058	19960221	Bis(2-ethylhexyl)phthalate	26.000	UG/KG		0.0	0.0	JB	SGCSP	
SGC061	A13061	19960208	Cadmium	2.900	MG/KG		0.0	3.0		SGCSP	2
SGC059	A13059	19960208	Cadmium	2.400	MG/KG		0.0	3.0		SGCSP	2
SGC056	A13056	19960208	Cadmium	1.100	MG/KG		0.0	1.5		SGCSP	
SGC058	A13058	19960221	Cadmium	0.160	MG/KG		0.0	0.0	B	SGCSP	
SGC058	A13058	19960221	Calcium	157000.000	MG/KG		0.0	0.0		SGCSP	
SGC056	A13056	19960208	Calcium	149000.000	MG/KG		0.0	1.5		SGCSP	
SGC061	A13061	19960208	Calcium	138000.000	MG/KG		0.0	3.0		SGCSP	
SGC059	A13059	19960208	Calcium	137000.000	MG/KG		0.0	3.0		SGCSP	
TF75	000339	20010718	Carbon Disulfide	4.000	UG/KG		32.0	36.0	J	TF2001	
TF75	000337	20010720	Carbon Disulfide	3.000	UG/KG		24.0	28.0	J	TF2001	
TF85	000284	20010716	Carbon Disulfide	2.000	UG/KG		12.0	16.0	J	TF2001	
TF85	000283	20010716	Carbon Disulfide	2.000	UG/KG		8.0	12.0	J	TF2001	
TF78	000217	20010710	Carbon Disulfide	2.000	UG/KG		16.0	20.0	J	TF2001	
TF78	000216	20010710	Carbon Disulfide	1.000	UG/KG		12.0	16.0	J	TF2001	
SGC061	A13061	19960208	Chromium	6.300	MG/KG		0.0	3.0		SGCSP	
SGC059	A13059	19960208	Chromium	5.000	MG/KG		0.0	3.0		SGCSP	
SGC058	A13058	19960221	Chromium	4.200	MG/KG		0.0	0.0		SGCSP	
SGC056	A13056	19960208	Chromium	2.400	MG/KG		0.0	1.5		SGCSP	
SGC058	A13058	19960221	Chrysene	32.000	UG/KG		0.0	0.0	J	SGCSP	
SGC061	A13061	19960208	Cobalt	6.400	MG/KG		0.0	3.0	B	SGCSP	
SGC059	A13059	19960208	Cobalt	4.800	MG/KG		0.0	3.0	B	SGCSP	
SGC056	A13056	19960208	Cobalt	1.900	MG/KG		0.0	1.5	B	SGCSP	
SGC058	A13058	19960221	Cobalt	1.700	MG/KG		0.0	0.0	B	SGCSP	
TF52	000024	20010706	Cobalt-60	0.059	PCI/G	0.0371	0.0	4.0		TF2001	
TF61	000052	20010709	Cobalt-60	0.052	PCI/G	0.0435	0.0	4.0		TF2001	
TF76	000126	20010720	Cobalt-60	0.044	PCI/G	0.0313	8.0	12.0		TF2001	
TF78	000219	20010710	Cobalt-60	0.032	PCI/G	0.0244	24.0	28.0		TF2001	

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Location_na	Sample_i	Collection_	Value_name	Measured_valu	Value_u	Detection_li	Start_	End_d	Lab Dat	Project_cod	Comments
SGC061	A13061	19960208	Copper	14.300	MG/KG		0.0	3.0		SGCSP	
SGC059	A13059	19960208	Copper	11.500	MG/KG		0.0	3.0		SGCSP	
SGC058	A13058	19960221	Copper	11.000	MG/KG		0.0	0.0		SGCSP	
SGC056	A13056	19960208	Copper	9.200	MG/KG		0.0	1.5		SGCSP	
SGC061	A13061	19960208	Dichloromethane (Methylene Chloride)	2800.000	UG/KG		0.0	3.0	BD	SGCSP	
TF79	000329	20010718	Dichloromethane (Methylene Chloride)	52.000	UG/KG		32.0	36.0	B	TF2001	
TF79	000327	20010718	Dichloromethane (Methylene Chloride)	43.000	UG/KG		24.0	28.0	B	TF2001	
TF79	000326	20010718	Dichloromethane (Methylene Chloride)	43.000	UG/KG		20.0	24.0	B	TF2001	
TF79	000328	20010718	Dichloromethane (Methylene Chloride)	40.000	UG/KG		28.0	32.0	B	TF2001	
TF82	000249	20010712	Dichloromethane (Methylene Chloride)	39.000	UG/KG		20.0	24.0	B	TF2001	
TF81	000228	20010711	Dichloromethane (Methylene Chloride)	38.000	UG/KG		12.0	16.0	B	TF2001	
TF79	000325	20010718	Dichloromethane (Methylene Chloride)	37.000	UG/KG		16.0	20.0	B	TF2001	
TF79	000324	20010718	Dichloromethane (Methylene Chloride)	35.000	UG/KG		12.0	16.0	B	TF2001	
TF76	000124	20010718	Dichloromethane (Methylene Chloride)	35.000	UG/KG		4.0	8.0	B	TF2001	
TF76	000126	20010720	Dichloromethane (Methylene Chloride)	33.000	UG/KG		8.0	12.0	B	TF2001	
TF82	000248	20010712	Dichloromethane (Methylene Chloride)	31.000	UG/KG		16.0	20.0	B	TF2001	
TF78	000221	20010710	Dichloromethane (Methylene Chloride)	30.000	UG/KG		32.0	36.0	B	TF2001	
TF75	000334	20010718	Dichloromethane (Methylene Chloride)	30.000	UG/KG		12.0	16.0	B	TF2001	
TF75	000339	20010718	Dichloromethane (Methylene Chloride)	29.000	UG/KG		32.0	36.0	B	TF2001	
TF78	000219	20010710	Dichloromethane (Methylene Chloride)	28.000	UG/KG		24.0	28.0	B	TF2001	
TF75	000332	20010718	Dichloromethane (Methylene Chloride)	25.000	UG/KG		4.0	8.0	B	TF2001	
TF75	000336	20010718	Dichloromethane (Methylene Chloride)	25.000	UG/KG		20.0	24.0	B	TF2001	
TF81	000257	20010712	Dichloromethane (Methylene Chloride)	24.000	UG/KG		20.0	24.0	B	TF2001	
TF75	000331	20010718	Dichloromethane (Methylene Chloride)	24.000	UG/KG		0.0	4.0	B	TF2001	
TF82	000247	20010712	Dichloromethane (Methylene Chloride)	22.000	UG/KG		16.0	20.0	B	TF2001	
TF79	000322	20010718	Dichloromethane (Methylene Chloride)	22.000	UG/KG		4.0	8.0	B	TF2001	
TF81	000258	20010712	Dichloromethane (Methylene Chloride)	21.000	UG/KG		24.0	28.0	B	TF2001	
TF78	000217	20010710	Dichloromethane (Methylene Chloride)	21.000	UG/KG		16.0	20.0	B	TF2001	
TF81	000253	20010712	Dichloromethane (Methylene Chloride)	20.000	UG/KG		8.0	12.0	B	TF2001	
TF78	000220	20010710	Dichloromethane (Methylene Chloride)	20.000	UG/KG		28.0	32.0	B	TF2001	
TF82	000246	20010712	Dichloromethane (Methylene Chloride)	19.000	UG/KG		8.0	12.0	B	TF2001	
TF82	000250	20010712	Dichloromethane (Methylene Chloride)	19.000	UG/KG		24.0	28.0	B	TF2001	
TF82	000244	20010712	Dichloromethane (Methylene Chloride)	18.000	UG/KG		0.0	4.0	B	TF2001	
TF78	000215	20010710	Dichloromethane (Methylene Chloride)	18.000	UG/KG		8.0	12.0	B	TF2001	
TF79	000321	20010718	Dichloromethane (Methylene Chloride)	17.000	UG/KG		0.0	4.0	B	TF2001	
TF78	000212	20010710	Dichloromethane (Methylene Chloride)	17.000	UG/KG		0.0	4.0	B	TF2001	
TF78	000214	20010710	Dichloromethane (Methylene Chloride)	16.000	UG/KG		4.0	8.0	B	TF2001	
TF76	000125	20010718	Dichloromethane (Methylene Chloride)	16.000	UG/KG		8.0	12.0	B	TF2001	
TF75	000337	20010720	Dichloromethane (Methylene Chloride)	16.000	UG/KG		24.0	28.0	B	TF2001	
TF75	000330	20010718	Dichloromethane (Methylene Chloride)	16.000	UG/KG		0.0	4.0	B	TF2001	
TF78	000218	20010710	Dichloromethane (Methylene Chloride)	15.000	UG/KG		20.0	24.0	B	TF2001	
TF78	000213	20010710	Dichloromethane (Methylene Chloride)	15.000	UG/KG		4.0	8.0	B	TF2001	
SGC059	A13059	19960208	Dichloromethane (Methylene Chloride)	15.000	UG/KG		0.0	3.0	B	SGCSP	

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Location_na	Sample_i	Collection_	Value_name	Measured_valu	Value_u	Detection_li	Start_	End_d	Lab Dat	Project_cod	Comments
TF85	000288	20010716	Dichloromethane (Methylene Chloride)	14.000	UG/KG		24.0	28.0	B	TF2001	
TF85	000285	20010716	Dichloromethane (Methylene Chloride)	14.000	UG/KG		16.0	20.0	B	TF2001	
TF85	000287	20010716	Dichloromethane (Methylene Chloride)	13.000	UG/KG		20.0	24.0	B	TF2001	
TF81	000254	20010712	Dichloromethane (Methylene Chloride)	13.000	UG/KG		8.0	12.0	B	TF2001	
SGC061	A13061	19960208	Dichloromethane (Methylene Chloride)	12.000	UG/KG		0.0	3.0	B	SGCSP	
TF85	000289	20010716	Dichloromethane (Methylene Chloride)	11.000	UG/KG		28.0	30.0	B	TF2001	
TF85	000284	20010716	Dichloromethane (Methylene Chloride)	11.000	UG/KG		12.0	16.0	B	TF2001	
TF85	000281	20010716	Dichloromethane (Methylene Chloride)	11.000	UG/KG		0.0	4.0	B	TF2001	
TF81	000252	20010712	Dichloromethane (Methylene Chloride)	11.000	UG/KG		4.0	8.0	B	TF2001	
TF79	000320	20010718	Dichloromethane (Methylene Chloride)	11.000	UG/KG		0.0	4.0	B	TF2001	
TF85	000282	20010716	Dichloromethane (Methylene Chloride)	10.000	UG/KG		4.0	8.0	B	TF2001	
TF75	000333	20010718	Dichloromethane (Methylene Chloride)	10.000	UG/KG		8.0	12.0	B	TF2001	
TF81	000256	20010712	Dichloromethane (Methylene Chloride)	8.000	UG/KG		16.0	20.0	B	TF2001	
TF85	000286	20010716	Dichloromethane (Methylene Chloride)	7.000	UG/KG		16.0	20.0	B	TF2001	
TF82	000243	20010712	Dichloromethane (Methylene Chloride)	7.000	UG/KG		0.0	4.0	B	TF2001	
TF82	000245	20010712	Dichloromethane (Methylene Chloride)	7.000	UG/KG		4.0	8.0	B	TF2001	
TF81	000259	20010712	Dichloromethane (Methylene Chloride)	7.000	UG/KG		28.0	32.0	B	TF2001	
SGC058	A13058	19960221	Dichloromethane (Methylene Chloride)	7.000	UG/KG		0.0	0.0		SGCSP	
SGC056	A13056	19960208	Dichloromethane (Methylene Chloride)	7.000	UG/KG		0.0	1.5	B	SGCSP	
SGC058	A13058	19960221	Fluoranthene	65.000	UG/KG		0.0	0.0	J	SGCSP	
SGC056	A13056	19960208	Fluoranthene	22.000	UG/KG		0.0	1.5	J	SGCSP	
TF82	000246	20010712	Hexane	2.000	UG/KG		8.0	12.0	J	TF2001	
TF82	000247	20010712	Hexane	2.000	UG/KG		16.0	20.0	J	TF2001	
TF82	000248	20010712	Hexane	2.000	UG/KG		16.0	20.0	J	TF2001	
TF82	000249	20010712	Hexane	2.000	UG/KG		20.0	24.0	J	TF2001	
TF81	000228	20010711	Hexane	2.000	UG/KG		12.0	16.0	J	TF2001	
TF78	000219	20010710	Hexane	1.000	UG/KG		24.0	28.0	J	TF2001	
SGC058	A13058	19960221	Indeno(1,2,3-cd)pyrene	17.000	UG/KG		0.0	0.0	J	SGCSP	
SGC061	A13061	19960208	Iron	13800.000	MG/KG		0.0	3.0		SGCSP	
SGC059	A13059	19960208	Iron	11200.000	MG/KG		0.0	3.0		SGCSP	
SGC056	A13056	19960208	Iron	5180.000	MG/KG		0.0	1.5		SGCSP	
SGC058	A13058	19960221	Iron	4560.000	MG/KG		0.0	0.0		SGCSP	
SGC061	A13061	19960208	Lead	7.600	MG/KG		0.0	3.0		SGCSP	
SGC056	A13056	19960208	Lead	6.300	MG/KG		0.0	1.5		SGCSP	
SGC059	A13059	19960208	Lead	6.000	MG/KG		0.0	3.0		SGCSP	
SGC058	A13058	19960221	Lead	4.400	MG/KG		0.0	0.0		SGCSP	
TF55	000026	20010706	Lead-210	1.660	PCI/G	0.7322	0.0	4.0		TF2001	12
TF81	000253	20010712	Lead-210	1.647	PCI/G	0.8699	8.0	12.0		TF2001	12
TF78	000216	20010710	Lead-210	1.519	PCI/G	0.6683	12.0	16.0		TF2001	12
TF50	000022	20010706	Lead-210	1.350	PCI/G	0.8559	0.0	4.0		TF2001	12
TF78	000215	20010710	Lead-210	1.212	PCI/G	0.7951	8.0	12.0		TF2001	12
TF78	000221	20010710	Lead-210	1.201	PCI/G	0.7853	32.0	36.0		TF2001	12
TF82	000249	20010712	Lead-210	1.199	PCI/G	0.7998	20.0	24.0		TF2001	1

Location_na	Sample_i	Collection_	Value_name	Measured_valu	Value_u	Detection_li	Start_	End_d	Lab Dat	Project_cod	Comments
TF82	000248	20010712	Lead-210	1.112	PCI/G	0.6825	16.0	20.0		TF2001	1
TF76	000127	20010718	Lead-210	1.017	PCI/G	0.8466	12.0	16.0		TF2001	1
TF85	000284	20010716	Lead-210	0.912	PCI/G	0.8507	12.0	16.0		TF2001	1
TF56	000047	20010709	Lead-210	0.877	PCI/G	0.8764	0.0	4.0		TF2001	1
TF79	000327	20010718	Lead-210	0.875	PCI/G	0.7296	24.0	28.0		TF2001	1
TF81	000255	20010712	Lead-210	0.866	PCI/G	0.6436	12.0	16.0		TF2001	1
TF79	000321	20010718	Lead-210	0.844	PCI/G	0.5535	0.0	4.0		TF2001	1
TF79	000328	20010718	Lead-210	0.823	PCI/G	0.7968	28.0	32.0		TF2001	1
TF75	000332	20010718	Lead-210	0.789	PCI/G	0.7204	4.0	8.0		TF2001	1
TF75	000333	20010718	Lead-210	0.777	PCI/G	0.7624	8.0	12.0		TF2001	1
TF75	000339	20010718	Lead-210	0.767	PCI/G	0.7600	32.0	36.0		TF2001	1
TF78	000220	20010710	Lead-210	0.736	PCI/G	0.6868	28.0	32.0		TF2001	1
TF75	000331	20010718	Lead-210	0.722	PCI/G	0.5752	0.0	4.0		TF2001	1
TF52	000024	20010706	Lead-210	0.621	PCI/G	0.5992	0.0	4.0		TF2001	1
TF75	000330	20010718	Lead-210	0.617	PCI/G	0.6150	0.0	4.0	J	TF2001	
TF76	000126	20010720	Lead-210	0.588	PCI/G	0.5580	8.0	12.0		TF2001	
TF82	000244	20010712	Lead-210	0.586	PCI/G	0.4487	0.0	4.0		TF2001	
TF82	000250	20010712	Lead-210	0.571	PCI/G	0.4149	24.0	28.0		TF2001	
TF81	000251	20010712	Lead-210	0.514	PCI/G	0.3268	0.0	4.0		TF2001	
TF79	000320	20010718	Lead-210	0.475	PCI/G	0.3486	0.0	4.0		TF2001	
TF79	000325	20010718	Lead-210	0.474	PCI/G	0.4217	16.0	20.0		TF2001	
SGC061	A13061	19960208	Lithium	14.600	MG/KG		0.0	3.0	B	SGCSP	
SGC059	A13059	19960208	Lithium	8.900	MG/KG		0.0	3.0	B	SGCSP	
SGC058	A13058	19960221	Lithium	4.600	MG/KG		0.0	0.0	B	SGCSP	
SGC056	A13056	19960208	Lithium	3.600	MG/KG		0.0	1.5	B	SGCSP	
SGC058	A13058	19960221	Magnesium	79100.000	MG/KG		0.0	0.0		SGCSP	2
SGC059	A13059	19960208	Magnesium	65100.000	MG/KG		0.0	3.0		SGCSP	2
SGC056	A13056	19960208	Magnesium	64200.000	MG/KG		0.0	1.5		SGCSP	2
SGC061	A13061	19960208	Magnesium	51800.000	MG/KG		0.0	3.0		SGCSP	2
SGC061	A13061	19960208	Manganese	328.000	MG/KG		0.0	3.0		SGCSP	
SGC056	A13056	19960208	Manganese	233.000	MG/KG		0.0	1.5		SGCSP	
SGC059	A13059	19960208	Manganese	215.000	MG/KG		0.0	3.0		SGCSP	
SGC058	A13058	19960221	Manganese	199.000	MG/KG		0.0	0.0		SGCSP	
SGC061	A13061	19960208	Molybdenum	3.200	MG/KG		0.0	3.0	B	SGCSP	
SGC059	A13059	19960208	Molybdenum	2.500	MG/KG		0.0	3.0	B	SGCSP	
SGC056	A13056	19960208	Molybdenum	1.300	MG/KG		0.0	1.5	B	SGCSP	
SGC058	A13058	19960221	Molybdenum	1.200	MG/KG		0.0	0.0	B	SGCSP	
SGC061	A13061	19960208	Nickel	13.800	MG/KG		0.0	3.0		SGCSP	
SGC059	A13059	19960208	Nickel	10.700	MG/KG		0.0	3.0		SGCSP	
SGC056	A13056	19960208	Nickel	4.400	MG/KG		0.0	1.5	B	SGCSP	
SGC058	A13058	19960221	Nickel	4.300	MG/KG		0.0	0.0	B	SGCSP	
SGC059	A13059	19960208	Nitrate/Nitrite	3.300	MG/KG	0.2200	0.0	3.0		SGCSP	
SGC061	A13061	19960208	Nitrate/Nitrite	2.200	MG/KG	0.2200	0.0	3.0		SGCSP	

Location_na	Sample_i	Collection_	Value_name	Measured_valu	Value_u	Detection_li	Start_	End_d	Lab	Dat	Project_cod	Comments
SGC058	A13058	19960221	Nitrate/Nitrite	1.900	MG/KG	0.2100	0.0	0.0			SGCSP	
SGC056	A13056	19960208	Nitrate/Nitrite	1.900	MG/KG	0.2100	0.0	1.5			SGCSP	
SGC056	A13056	19960208	Percent Solids	95.300	%	0.1000	0.0	1.5			SGCSP	
SGC058	A13058	19960221	Percent Solids	93.700	%	0.1000	0.0	0.0			SGCSP	
SGC059	A13059	19960208	Percent Solids	92.800	%	0.1000	0.0	3.0			SGCSP	
SGC061	A13061	19960208	Percent Solids	90.500	%	0.1000	0.0	3.0			SGCSP	
SGC058	A13058	19960221	Phenanthrene	35.000	UG/KG		0.0	0.0	J		SGCSP	
SCR382	89052594	19890525	Plutonium-238	25.000	PCI/G		0.0	0.0			SCRDATA	12
S0670	4029	19831001	Plutonium-238	0.340	PCI/G	0.0100	0.0	0.0			RSS	2
S0678	4030	19831001	Plutonium-238	0.210	PCI/G	0.0100	0.0	0.0			RSS	2
SGC058	A13058	19960221	Plutonium-238	0.102	PCI/G	0.0035	0.0	0.0			SGCSP	
S0676	7193	19840901	Plutonium-238	0.090	PCI/G	0.0100	0.0	0.0			RSS	
SGC061	A13061	19960208	Plutonium-238	0.085	PCI/G	0.0043	0.0	3.0			SGCSP	
SGC056	A13056	19960208	Plutonium-238	0.045	PCI/G	0.0020	0.0	1.5			SGCSP	
SGC059	A13059	19960208	Plutonium-238	0.039	PCI/G	0.0043	0.0	3.0			SGCSP	
SGC061	A13061	19960208	Potassium	1380.000	MG/KG		0.0	3.0			SGCSP	
SGC059	A13059	19960208	Potassium	985.000	MG/KG		0.0	3.0	B		SGCSP	
SGC056	A13056	19960208	Potassium	374.000	MG/KG		0.0	1.5	B		SGCSP	
SGC058	A13058	19960221	Potassium	250.000	MG/KG		0.0	0.0	B		SGCSP	
TF75	000330	20010718	Potassium-40	16.200	PCI/G	0.6650	0.0	4.0			TF2001	1
TF78	000212	20010710	Potassium-40	13.800	PCI/G	0.6080	0.0	4.0			TF2001	1
SGC059	A13059	19960208	Potassium-40	12.600	PCI/G	0.0000	0.0	3.0			SGCSP	1
SGC056	A13056	19960208	Potassium-40	9.270	PCI/G	0.0000	0.0	1.5			SGCSP	1
SGC061	A13061	19960208	Potassium-40	7.990	PCI/G	0.0000	0.0	3.0			SGCSP	1
SGC058	A13058	19960221	Potassium-40	6.930	PCI/G	0.0000	0.0	0.0			SGCSP	1
SGC058	A13058	19960221	Pyrene	57.000	UG/KG		0.0	0.0	J		SGCSP	
SGC056	A13056	19960208	Pyrene	18.000	UG/KG		0.0	1.5	J		SGCSP	
TF85	000284	20010716	Radium-226	2.070	PCI/G	1.0140	12.0	16.0			TF2001	12
TF79	000328	20010718	Radium-226	2.030	PCI/G	0.8449	28.0	32.0			TF2001	12
TF55	000026	20010706	Radium-226	1.990	PCI/G	0.8824	0.0	4.0			TF2001	1
TF79	000327	20010718	Radium-226	1.984	PCI/G	0.8705	24.0	28.0			TF2001	1
TF76	000125	20010718	Radium-226	1.944	PCI/G	1.1880	8.0	12.0			TF2001	1
TF78	000215	20010710	Radium-226	1.935	PCI/G	0.9559	8.0	12.0			TF2001	1
TF75	000339	20010718	Radium-226	1.861	PCI/G	0.9341	32.0	36.0			TF2001	1
TF78	000220	20010710	Radium-226	1.849	PCI/G	0.7661	28.0	32.0			TF2001	1
TF79	000324	20010718	Radium-226	1.775	PCI/G	1.0960	12.0	16.0			TF2001	1
TF50	000022	20010706	Radium-226	1.682	PCI/G	1.0450	0.0	4.0			TF2001	1
TF76	000127	20010718	Radium-226	1.678	PCI/G	0.9780	12.0	16.0			TF2001	1
TF85	000282	20010716	Radium-226	1.656	PCI/G	1.1030	4.0	8.0			TF2001	1
TF85	000289	20010716	Radium-226	1.625	PCI/G	0.8009	28.0	30.0			TF2001	1
TF81	000259	20010712	Radium-226	1.622	PCI/G	1.1050	28.0	32.0			TF2001	1
TF85	000281	20010716	Radium-226	1.568	PCI/G	0.7796	0.0	4.0			TF2001	1
TF81	000256	20010712	Radium-226	1.554	PCI/G	1.0820	16.0	20.0			TF2001	1

Location_na	Sample_i	Collection_	Value_name	Measured_valu	Value_u	Detection_li	Start_	End_d	Lab Dat	Project_cod	Comments
TF81	000253	20010712	Radium-226	1.535	PCI/G	1.0860	8.0	12.0		TF2001	1
TF52	000023	20010706	Radium-226	1.499	PCI/G	1.3510	0.0	4.0		TF2001	1
TF76	000124	20010718	Radium-226	1.458	PCI/G	0.8736	4.0	8.0		TF2001	1
TF62	000053	20010709	Radium-226	1.451	PCI/G	1.1170	0.0	4.0		TF2001	1
TF75	000332	20010718	Radium-226	1.416	PCI/G	0.9422	4.0	8.0		TF2001	1
TF82	000248	20010712	Radium-226	1.356	PCI/G	0.8736	16.0	20.0		TF2001	1
TF85	000288	20010716	Radium-226	1.353	PCI/G	0.6685	24.0	28.0		TF2001	1
TF78	000216	20010710	Radium-226	1.345	PCI/G	0.9911	12.0	16.0		TF2001	1
TF82	000243	20010712	Radium-226	1.336	PCI/G	1.0280	0.0	4.0		TF2001	1
TF75	000334	20010718	Radium-226	1.330	PCI/G	0.8571	12.0	16.0		TF2001	1
TF76	000126	20010720	Radium-226	1.325	PCI/G	0.6816	8.0	12.0		TF2001	1
TF79	000325	20010718	Radium-226	1.304	PCI/G	0.5772	16.0	20.0		TF2001	1
TF52	000024	20010706	Radium-226	1.274	PCI/G	0.8753	0.0	4.0		TF2001	1
TF58	000051	20010709	Radium-226	1.253	PCI/G	0.7088	0.0	4.0		TF2001	1
TF78	000221	20010710	Radium-226	1.234	PCI/G	0.9460	32.0	36.0		TF2001	1
TF76	000123	20010718	Radium-226	1.187	PCI/G	0.6226	0.0	4.0		TF2001	1
TF78	000217	20010710	Radium-226	1.180	PCI/G	0.9754	16.0	20.0		TF2001	1
TF79	000329	20010718	Radium-226	1.165	PCI/G	0.8248	32.0	36.0		TF2001	1
TF75	000336	20010718	Radium-226	1.134	PCI/G	0.8765	20.0	24.0		TF2001	1
TF82	000250	20010712	Radium-226	1.127	PCI/G	0.6381	24.0	28.0		TF2001	1
TF82	000244	20010712	Radium-226	1.125	PCI/G	0.6477	0.0	4.0		TF2001	1
TF79	000323	20010718	Radium-226	1.101	PCI/G	0.7784	8.0	12.0		TF2001	1
TF81	000258	20010712	Radium-226	1.086	PCI/G	0.9380	24.0	28.0		TF2001	1
TF85	000283	20010716	Radium-226	1.071	PCI/G	0.7479	8.0	12.0		TF2001	1
TF75	000333	20010718	Radium-226	1.057	PCI/G	0.8943	8.0	12.0		TF2001	1
TF85	000287	20010716	Radium-226	1.040	PCI/G	0.9584	20.0	24.0		TF2001	1
TF78	000214	20010710	Radium-226	1.020	PCI/G	0.9531	4.0	8.0		TF2001	1
TF82	000247	20010712	Radium-226	0.990	PCI/G	0.5880	16.0	20.0		TF2001	1
SGC059	A13059	19960208	Radium-226	0.982	PCI/G	0.5070	0.0	3.0		SGCSP	1
TF75	000337	20010720	Radium-226	0.970	PCI/G	0.7379	24.0	28.0		TF2001	1
TF85	000285	20010716	Radium-226	0.930	PCI/G	0.7307	16.0	20.0		TF2001	1
TF78	000212	20010710	Radium-226	0.921	PCI/G	0.2840	0.0	4.0		TF2001	1
TF81	000254	20010712	Radium-226	0.918	PCI/G	0.6905	8.0	12.0		TF2001	1
TF78	000212	20010710	Radium-226	0.896	PCI/G	0.7526	0.0	4.0		TF2001	1
TF75	000331	20010718	Radium-226	0.894	PCI/G	0.7596	0.0	4.0		TF2001	1
TF81	000255	20010712	Radium-226	0.890	PCI/G	0.8343	12.0	16.0		TF2001	1
TF81	000252	20010712	Radium-226	0.876	PCI/G	0.8378	4.0	8.0		TF2001	1
TF79	000326	20010718	Radium-226	0.871	PCI/G	0.8172	20.0	24.0		TF2001	1
TF81	000257	20010712	Radium-226	0.853	PCI/G	0.6576	20.0	24.0		TF2001	1
TF78	000219	20010710	Radium-226	0.846	PCI/G	0.7246	24.0	28.0		TF2001	1
TF75	000330	20010718	Radium-226	0.842	PCI/G	0.1220	0.0	4.0		TF2001	1
SGC058	A13058	19960221	Radium-226	0.600	PCI/G	0.4070	0.0	0.0		SGCSP	1
SGC061	A13061	19960208	Radium-226	0.584	PCI/G	0.4080	0.0	3.0		SGCSP	1

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Location_na	Sample_i	Collection_	Value_name	Measured_valu	Value_u	Detection_li	Start_	End_d	Lab	Dat	Project_cod	Comments
TF75	000330	20010718	Radium-228	0.706	PCI/G	0.2760	0.0	4.0			TF2001	
TF78	000212	20010710	Radium-228	0.288	PCI/G	0.1930	0.0	4.0	J		TF2001	
SGC059	A13059	19960208	Sodium	248.000	MG/KG		0.0	3.0	B		SGCSP	2
SGC061	A13061	19960208	Sodium	245.000	MG/KG		0.0	3.0	B		SGCSP	2
SGC056	A13056	19960208	Sodium	227.000	MG/KG		0.0	1.5	B		SGCSP	
SGC058	A13058	19960221	Sodium	220.000	MG/KG		0.0	0.0	B		SGCSP	
SGC061	A13061	19960208	Tetrachloroethene	1.000	UG/KG		0.0	3.0	J		SGCSP	
SGC059	A13059	19960208	Thorium-228	0.667	PCI/G	0.0248	0.0	3.0			SGCSP	1
SGC061	A13061	19960208	Thorium-228	0.332	PCI/G	0.0254	0.0	3.0			SGCSP	1
SGC056	A13056	19960208	Thorium-228	0.283	PCI/G	0.0187	0.0	1.5			SGCSP	1
SGC058	A13058	19960221	Thorium-228	0.260	PCI/G	0.0505	0.0	0.0			SGCSP	1
SGC059	A13059	19960208	Thorium-230	0.984	PCI/G	0.0182	0.0	3.0			SGCSP	1
SGC061	A13061	19960208	Thorium-230	0.758	PCI/G	0.0186	0.0	3.0			SGCSP	1
SGC058	A13058	19960221	Thorium-230	0.735	PCI/G	0.0330	0.0	0.0			SGCSP	1
SGC056	A13056	19960208	Thorium-230	0.606	PCI/G	0.0182	0.0	1.5			SGCSP	1
TF81	000253	20010712	Thorium-232	0.690	PCI/G	0.1908	8.0	12.0			TF2001	1
TF62	000053	20010709	Thorium-232	0.679	PCI/G	0.2294	0.0	4.0			TF2001	1
SGC059	A13059	19960208	Thorium-232	0.663	PCI/G	0.0122	0.0	3.0			SGCSP	1
TF81	000228	20010711	Thorium-232	0.617	PCI/G	0.1670	12.0	16.0			TF2001	1
TF52	000023	20010706	Thorium-232	0.594	PCI/G	0.2239	0.0	4.0			TF2001	1
TF61	000052	20010709	Thorium-232	0.575	PCI/G	0.1809	0.0	4.0			TF2001	1
TF85	000288	20010716	Thorium-232	0.549	PCI/G	0.1624	24.0	28.0			TF2001	1
TF75	000331	20010718	Thorium-232	0.545	PCI/G	0.1729	0.0	4.0			TF2001	1
TF52	000024	20010706	Thorium-232	0.536	PCI/G	0.2093	0.0	4.0			TF2001	1
TF50	000022	20010706	Thorium-232	0.524	PCI/G	0.1339	0.0	4.0			TF2001	1
TF58	000051	20010709	Thorium-232	0.523	PCI/G	0.1195	0.0	4.0			TF2001	1
TF85	000289	20010716	Thorium-232	0.490	PCI/G	0.1217	28.0	30.0			TF2001	1
TF82	000246	20010712	Thorium-232	0.488	PCI/G	0.1490	8.0	12.0			TF2001	1
TF78	000219	20010710	Thorium-232	0.486	PCI/G	0.1395	24.0	28.0			TF2001	1
TF76	000125	20010718	Thorium-232	0.480	PCI/G	0.1935	8.0	12.0			TF2001	1
TF81	000254	20010712	Thorium-232	0.474	PCI/G	0.1379	8.0	12.0			TF2001	1
TF76	000127	20010718	Thorium-232	0.472	PCI/G	0.1588	12.0	16.0			TF2001	1
TF55	000026	20010706	Thorium-232	0.463	PCI/G	0.1532	0.0	4.0			TF2001	1
TF75	000337	20010720	Thorium-232	0.457	PCI/G	0.1588	24.0	28.0			TF2001	1
TF76	000126	20010720	Thorium-232	0.437	PCI/G	0.1973	8.0	12.0			TF2001	1
TF76	000124	20010718	Thorium-232	0.435	PCI/G	0.1526	4.0	8.0			TF2001	1
TF75	000339	20010718	Thorium-232	0.431	PCI/G	0.1887	32.0	36.0			TF2001	1
TF78	000215	20010710	Thorium-232	0.424	PCI/G	0.1551	8.0	12.0			TF2001	1
TF78	000212	20010710	Thorium-232	0.412	PCI/G	0.1952	0.0	4.0			TF2001	1
TF75	000335	20010718	Thorium-232	0.396	PCI/G	0.1887	16.0	20.0			TF2001	1
SGC056	A13056	19960208	Thorium-232	0.384	PCI/G	0.0122	0.0	1.5			SGCSP	1
TF81	000259	20010712	Thorium-232	0.382	PCI/G	0.1904	28.0	32.0			TF2001	1
TF85	000285	20010716	Thorium-232	0.381	PCI/G	0.1373	16.0	20.0			TF2001	1

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Location_na	Sample_i	Collection_	Value_name	Measured_valu	Value_u	Detection_li	Start_	End_d	Lab Dat	Project_cod	Comments
TF85	000287	20010716	Thorium-232	0.365	PCI/G	0.1725	20.0	24.0		TF2001	1
TF82	000248	20010712	Thorium-232	0.365	PCI/G	0.1397	16.0	20.0		TF2001	1
TF85	000284	20010716	Thorium-232	0.364	PCI/G	0.1631	12.0	16.0		TF2001	1
TF79	000325	20010718	Thorium-232	0.364	PCI/G	0.1797	16.0	20.0		TF2001	1
TF82	000247	20010712	Thorium-232	0.359	PCI/G	0.1334	16.0	20.0		TF2001	1
TF78	000221	20010710	Thorium-232	0.356	PCI/G	0.1960	32.0	36.0		TF2001	1
TF85	000283	20010716	Thorium-232	0.350	PCI/G	0.1597	8.0	12.0		TF2001	1
TF79	000324	20010718	Thorium-232	0.348	PCI/G	0.2326	12.0	16.0		TF2001	1
TF82	000245	20010712	Thorium-232	0.347	PCI/G	0.1554	4.0	8.0		TF2001	1
TF85	000286	20010716	Thorium-232	0.347	PCI/G	0.1550	16.0	20.0		TF2001	1
SGC061	A13061	19960208	Thorium-232	0.347	PCI/G	0.0125	0.0	3.0		SGCSP	1
TF79	000328	20010718	Thorium-232	0.346	PCI/G	0.1940	28.0	32.0		TF2001	1
TF76	000123	20010718	Thorium-232	0.337	PCI/G	0.1569	0.0	4.0		TF2001	1
TF78	000217	20010710	Thorium-232	0.325	PCI/G	0.2546	16.0	20.0		TF2001	1
TF75	000330	20010718	Thorium-232	0.321	PCI/G	0.2454	0.0	4.0		TF2001	1
TF82	000243	20010712	Thorium-232	0.320	PCI/G	0.1294	0.0	4.0		TF2001	1
TF78	000218	20010710	Thorium-232	0.314	PCI/G	0.1637	20.0	24.0		TF2001	1
TF75	000333	20010718	Thorium-232	0.314	PCI/G	0.1750	8.0	12.0		TF2001	1
TF78	000214	20010710	Thorium-232	0.307	PCI/G	0.2272	4.0	8.0		TF2001	1
TF82	000250	20010712	Thorium-232	0.302	PCI/G	0.1668	24.0	28.0		TF2001	1
TF81	000257	20010712	Thorium-232	0.302	PCI/G	0.1477	20.0	24.0		TF2001	1
TF75	000334	20010718	Thorium-232	0.300	PCI/G	0.2291	12.0	16.0		TF2001	1
TF85	000282	20010716	Thorium-232	0.297	PCI/G	0.2075	4.0	8.0		TF2001	1
TF81	000258	20010712	Thorium-232	0.293	PCI/G	0.1480	24.0	28.0		TF2001	1
TF79	000329	20010718	Thorium-232	0.278	PCI/G	0.1566	32.0	36.0		TF2001	1
TF78	000216	20010710	Thorium-232	0.271	PCI/G	0.1779	12.0	16.0		TF2001	1
TF85	000281	20010716	Thorium-232	0.270	PCI/G	0.1603	0.0	4.0		TF2001	1
TF75	000338	20010718	Thorium-232	0.267	PCI/G	0.1511	28.0	32.0		TF2001	1
TF81	000256	20010712	Thorium-232	0.257	PCI/G	0.2249	16.0	20.0		TF2001	1
TF79	000327	20010718	Thorium-232	0.250	PCI/G	0.1820	24.0	28.0		TF2001	1
TF75	000332	20010718	Thorium-232	0.244	PCI/G	0.1693	4.0	8.0		TF2001	1
TF78	000220	20010710	Thorium-232	0.235	PCI/G	0.1276	28.0	32.0		TF2001	1
TF75	000336	20010718	Thorium-232	0.217	PCI/G	0.1684	20.0	24.0		TF2001	1
TF79	000326	20010718	Thorium-232	0.217	PCI/G	0.1387	20.0	24.0		TF2001	1
TF82	000244	20010712	Thorium-232	0.212	PCI/G	0.2019	0.0	4.0		TF2001	1
TF81	000251	20010712	Thorium-232	0.209	PCI/G	0.1574	0.0	4.0		TF2001	1
TF78	000213	20010710	Thorium-232	0.206	PCI/G	0.1719	4.0	8.0		TF2001	1
TF81	000255	20010712	Thorium-232	0.203	PCI/G	0.1572	12.0	16.0		TF2001	1
TF79	000323	20010718	Thorium-232	0.202	PCI/G	0.1421	8.0	12.0		TF2001	1
TF81	000252	20010712	Thorium-232	0.198	PCI/G	0.1621	4.0	8.0		TF2001	1
TF79	000321	20010718	Thorium-232	0.195	PCI/G	0.1172	0.0	4.0		TF2001	1
TF79	000320	20010718	Thorium-232	0.178	PCI/G	0.1518	0.0	4.0		TF2001	1
SGC058	A13058	19960221	Thorium-232	0.151	PCI/G	0.0290	0.0	0.0		SGCSP	1

Location_na	Sample_i	Collection_	Value_name	Measured_valu	Value_u	Detection_li	Start_	End_d	Lab Dat	Project_cod	Comments
SGC059	A13059	19960208	Tin	1.200	MG/KG		0.0	3.0	B	SGCSP	
SGC061	A13061	19960208	Tin	1.000	MG/KG		0.0	3.0	B	SGCSP	
SGC061	A13061	19960208	Toluene	3700.000	UG/KG		0.0	3.0	D	SGCSP	
TF81	000228	20010711	Toluene	3.000	UG/KG		12.0	16.0	J	TF2001	
SGC059	A13059	19960208	Toluene	3.000	UG/KG		0.0	3.0	J	SGCSP	
TF81	000257	20010712	Toluene	2.000	UG/KG		20.0	24.0	J	TF2001	
TF82	000248	20010712	Toluene	1.000	UG/KG		16.0	20.0	J	TF2001	
TF82	000249	20010712	Toluene	1.000	UG/KG		20.0	24.0	J	TF2001	
TF81	000258	20010712	Toluene	1.000	UG/KG		24.0	28.0	J	TF2001	
TF78	000219	20010710	Toluene	1.000	UG/KG		24.0	28.0	J	TF2001	
TF78	000221	20010710	Toluene	1.000	UG/KG		32.0	36.0	J	TF2001	
13F04	13F04	19940907	Total Aromatic Hydrocarbons	6262476.000	IC		0.0	1.5		2680	
13F01	13F01	19940907	Total Aromatic Hydrocarbons	5049373.000	IC		0.0	1.5		2680	
13F05	13F05	19940907	Total Aromatic Hydrocarbons	2241578.000	IC		0.0	1.5		2680	
13F06	13F06	19940907	Total Aromatic Hydrocarbons	1021570.000	IC		0.0	1.5		2680	
11N14	11N14	19941004	Total Aromatic Hydrocarbons	143302.000	IC		0.0	1.5		2680	
13F02	13F02	19940907	Total Aromatic Hydrocarbons	43194.000	IC		0.0	1.5		2680	
13F03	13F03	19940907	Total Aromatic Hydrocarbons	16481.000	IC		0.0	1.5		2680	
13F04	13F04	19940907	Total C5 TO C11 Petroleum Hydrocarb	15056938.000	IC		0.0	1.5		2680	
13F01	13F01	19940907	Total C5 TO C11 Petroleum Hydrocarb	11736665.000	IC		0.0	1.5		2680	
13F05	13F05	19940907	Total C5 TO C11 Petroleum Hydrocarb	5323359.000	IC		0.0	1.5		2680	
13F06	13F06	19940907	Total C5 TO C11 Petroleum Hydrocarb	4175025.000	IC		0.0	1.5		2680	
11N14	11N14	19941004	Total C5 TO C11 Petroleum Hydrocarb	278241.000	IC		0.0	1.5		2680	
13F02	13F02	19940907	Total C5 TO C11 Petroleum Hydrocarb	144631.000	IC		0.0	1.5		2680	
13F03	13F03	19940907	Total C5 TO C11 Petroleum Hydrocarb	27030.000	IC		0.0	1.5		2680	
13F06	13F06	19940907	Total Halogenated Hydrocarbons	2883809.000	IC		0.0	1.5		2680	
13F02	13F02	19940907	Total Halogenated Hydrocarbons	875428.000	IC		0.0	1.5		2680	
13F05	13F05	19940907	Total Halogenated Hydrocarbons	425095.000	IC		0.0	1.5		2680	
13F01	13F01	19940907	Total Halogenated Hydrocarbons	403807.000	IC		0.0	1.5		2680	
13F04	13F04	19940907	Total Halogenated Hydrocarbons	124292.000	IC		0.0	1.5		2680	
13F03	13F03	19940907	Total Halogenated Hydrocarbons	46793.000	IC		0.0	1.5		2680	
11N14	11N14	19941004	Total Halogenated Hydrocarbons	9994.000	IC		0.0	1.5		2680	
13F04	13F04	19940907	Total Semivolatile Hydrocarbons	190343.000	IC		0.0	1.5		2680	
13F01	13F01	19940907	Total Semivolatile Hydrocarbons	148638.000	IC		0.0	1.5		2680	
13F05	13F05	19940907	Total Semivolatile Hydrocarbons	45881.000	IC		0.0	1.5		2680	
13F06	13F06	19940907	Total Semivolatile Hydrocarbons	11964.000	IC		0.0	1.5		2680	
13F03	13F03	19940907	Total Semivolatile Hydrocarbons	788.000	IC		0.0	1.5		2680	
13F02	13F02	19940907	Total Semivolatile Hydrocarbons	0.000	IC		0.0	1.5		2680	
SGC061	A13061	19960208	Trichloroethylene (TCE)	43000.000	UG/KG		0.0	3.0	D	SGCSP	1
SGC061	A13061	19960208	Trichloroethylene (TCE)	5400.000	UG/KG		0.0	3.0	E	SGCSP	
TF85	000281	20010716	Trichloroethylene (TCE)	6.000	UG/KG		0.0	4.0	J	TF2001	
TF82	000245	20010712	Trichloroethylene (TCE)	4.000	UG/KG		4.0	8.0	J	TF2001	
TF82	000243	20010712	Trichloroethylene (TCE)	3.000	UG/KG		0.0	4.0	J	TF2001	

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Location_na	Sample_i	Collection_	Value_name	Measured_valu	Value_u	Detection_li	Start_	End_d	Lab	Dat	Project_cod	Comments
TF82	000244	20010712	Trichloroethylene (TCE)	2.000	UG/KG		0.0	4.0	J		TF2001	
TF81	000252	20010712	Trichloroethylene (TCE)	2.000	UG/KG		4.0	8.0	J		TF2001	
TF81	000251	20010712	Trichloroethylene (TCE)	2.000	UG/KG		0.0	4.0	J	J	TF2001	
TF79	000321	20010718	Trichloroethylene (TCE)	1.000	UG/KG		0.0	4.0	J		TF2001	
TF79	000323	20010718	Trichloroethylene (TCE)	1.000	UG/KG		8.0	12.0	J		TF2001	
S0678	4030	19831001	Tritium	0.980	PCI/ML		0.0	0.0			RSS	
SGC059	A13059	19960208	Uranium-234	0.723	PCI/G	0.0317	0.0	3.0			SGCSP	
SGC058	A13058	19960221	Uranium-234	0.619	PCI/G	0.0351	0.0	0.0			SGCSP	
SGC061	A13061	19960208	Uranium-234	0.461	PCI/G	0.0286	0.0	3.0			SGCSP	
SGC056	A13056	19960208	Uranium-234	0.374	PCI/G	0.0264	0.0	1.5			SGCSP	
SGC059	A13059	19960208	Uranium-238	0.784	PCI/G	0.0317	0.0	3.0			SGCSP	
SGC058	A13058	19960221	Uranium-238	0.737	PCI/G	0.0282	0.0	0.0			SGCSP	
SGC056	A13056	19960208	Uranium-238	0.576	PCI/G	0.0242	0.0	1.5			SGCSP	
SGC061	A13061	19960208	Uranium-238	0.564	PCI/G	0.0131	0.0	3.0			SGCSP	
SGC061	A13061	19960208	Vanadium	12.200	MG/KG		0.0	3.0			SGCSP	
SGC059	A13059	19960208	Vanadium	10.100	MG/KG		0.0	3.0	B		SGCSP	
SGC056	A13056	19960208	Vanadium	5.700	MG/KG		0.0	1.5	B		SGCSP	
SGC058	A13058	19960221	Vanadium	5.400	MG/KG		0.0	0.0			SGCSP	
TF79	000325	20010718	Vinyl Chloride	140.000	UG/KG		16.0	20.0			TF2001	
TF79	000324	20010718	Vinyl Chloride	88.000	UG/KG		12.0	16.0			TF2001	
TF79	000323	20010718	Vinyl Chloride	24.000	UG/KG		8.0	12.0			TF2001	
TF79	000327	20010718	Vinyl Chloride	20.000	UG/KG		24.0	28.0			TF2001	
TF79	000326	20010718	Vinyl Chloride	13.000	UG/KG		20.0	24.0			TF2001	
SGC061	A13061	19960208	Xylenes, Total	1200.000	UG/KG		0.0	3.0	JD		SGCSP	
SGC059	A13059	19960208	Xylenes, Total	1.000	UG/KG		0.0	3.0	J		SGCSP	
SGC061	A13061	19960208	Zinc	49.300	MG/KG		0.0	3.0			SGCSP	
SGC058	A13058	19960221	Zinc	37.700	MG/KG		0.0	0.0			SGCSP	
SGC059	A13059	19960208	Zinc	35.700	MG/KG		0.0	3.0			SGCSP	
SGC056	A13056	19960208	Zinc	21.500	MG/KG		0.0	1.5			SGCSP	

*Comments

1	Exceeds the 10-6 Risk-Based Guide Value
2	Exceeds the OU9 Soil Background Value
3	Exceeds screening level
5	Exceeds MCL
6	Exceeds the Guide Value based on the hazard index

Lab and data qualifiers are defined on the pages immediately following the non-detects table in this appendix.
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Building 49 Shed Detects

Location_	Sample_id	Collection_	Value_name	Measured_val	Value_u	Detection_l	Start_	End_d	Lab	Dat	Project_c	Comments
TF90	000273	20010713	Carbon Disulfide	3.0000	UG/KG		12.0	16.0	J		TF2001	
TF90	000271	20010713	Cobalt-60	0.0438	PCI/G	0.0309	4.0	8.0			TF2001	
TF90	000273	20010713	Dichloromethane (Methylene Chloride)	19.0000	UG/KG		12.0	16.0	B		TF2001	
TF90	000276	20010713	Dichloromethane (Methylene Chloride)	17.0000	UG/KG		20.0	24.0	B		TF2001	
TF90	000277	20010713	Dichloromethane (Methylene Chloride)	14.0000	UG/KG		24.0	28.0	B		TF2001	
TF90	000278	20010713	Dichloromethane (Methylene Chloride)	13.0000	UG/KG		28.0	32.0	B		TF2001	
TF90	000270	20010713	Dichloromethane (Methylene Chloride)	11.0000	UG/KG		0.0	4.0	B		TF2001	
TF90	000274	20010713	Dichloromethane (Methylene Chloride)	9.0000	UG/KG		12.0	16.0	B		TF2001	
TF90	000272	20010713	Dichloromethane (Methylene Chloride)	9.0000	UG/KG		8.0	12.0	B		TF2001	
TF90	000271	20010713	Dichloromethane (Methylene Chloride)	9.0000	UG/KG		4.0	8.0	B		TF2001	
TF90	000278	20010713	Lead-210	1.3240	PCI/G	0.6195	28.0	32.0			TF2001	12
TF90	000270	20010713	Lead-210	0.9500	PCI/G	0.8460	0.0	4.0	J		TF2001	1
TF90	000271	20010713	Lead-210	0.8634	PCI/G	0.4545	4.0	8.0			TF2001	1
TF90	000270	20010713	Lead-210	0.3000	PCI/G	0.1700	0.0	4.0			TF2001	
TF90	000270	20010713	Potassium-40	16.0000	PCI/G	0.5080	0.0	4.0			TF2001	1
TF90	000278	20010713	Radium-226	1.9270	PCI/G	0.8931	28.0	32.0			TF2001	1
TF90	000276	20010713	Radium-226	1.6060	PCI/G	1.2150	20.0	24.0			TF2001	1
TF90	000273	20010713	Radium-226	1.5730	PCI/G	1.0170	12.0	16.0			TF2001	1
TF90	000270	20010713	Radium-226	1.4500	PCI/G	0.2600	0.0	4.0			TF2001	1
TF90	000275	20010713	Radium-226	1.2740	PCI/G	0.8632	16.0	20.0			TF2001	1
TF90	000272	20010713	Radium-226	1.1200	PCI/G	1.0440	8.0	12.0			TF2001	1
TF90	000277	20010713	Radium-226	1.0560	PCI/G	0.7440	24.0	28.0			TF2001	1
TF90	000271	20010713	Radium-226	1.0210	PCI/G	0.7102	4.0	8.0			TF2001	1
TF90	000270	20010713	Radium-226	0.9010	PCI/G	0.1200	0.0	4.0			TF2001	1
TF90	000270	20010713	Radium-228	0.5960	PCI/G	0.2510	0.0	4.0			TF2001	
TF90	000270	20010713	Thorium-232	0.4700	PCI/G	0.0600	0.0	4.0			TF2001	1
TF90	000271	20010713	Thorium-232	0.4438	PCI/G	0.1287	4.0	8.0			TF2001	1
TF90	000273	20010713	Thorium-232	0.4374	PCI/G	0.1548	12.0	16.0			TF2001	1
TF90	000276	20010713	Thorium-232	0.4050	PCI/G	0.1878	20.0	24.0			TF2001	1
TF90	000274	20010713	Thorium-232	0.4022	PCI/G	0.1380	12.0	16.0			TF2001	1
TF90	000277	20010713	Thorium-232	0.3493	PCI/G	0.2067	24.0	28.0			TF2001	1
TF90	000278	20010713	Thorium-232	0.3187	PCI/G	0.1671	28.0	32.0			TF2001	1
TF90	000272	20010713	Thorium-232	0.3020	PCI/G	0.1698	8.0	12.0			TF2001	1
TF90	000275	20010713	Thorium-232	0.2430	PCI/G	0.1535	16.0	20.0			TF2001	1
13B03	13B03	19940907	Total Aromatic Hydrocarbons	2591759.0000	IC		0.0	1.5			2680	
13C03	13C03	19940907	Total Aromatic Hydrocarbons	1475121.0000	IC		0.0	1.5			2680	

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Location_	Sample_id	Collection_	Value_name	Measured_val	Value_u	Detection_l	Start_	End_d	Lab	Dat	Project_c	Comments
13C02	13C02	19940907	Total Aromatic Hydrocarbons	1036038.0000	IC		0.0	1.5			2680	
13B03	13B03	19940907	Total C5 TO C11 Petroleum Hydrocarb	4655535.0000	IC		0.0	1.5			2680	
13C03	13C03	19940907	Total C5 TO C11 Petroleum Hydrocarb	3562239.0000	IC		0.0	1.5			2680	
13C02	13C02	19940907	Total C5 TO C11 Petroleum Hydrocarb	2106544.0000	IC		0.0	1.5			2680	
13C03	13C03	19940907	Total Halogenated Hydrocarbons	9478.0000	IC		0.0	1.5			2680	
13C02	13C02	19940907	Total Halogenated Hydrocarbons	0.0000	IC		0.0	1.5			2680	
13B03	13B03	19940907	Total Halogenated Hydrocarbons	0.0000	IC		0.0	1.5			2680	
13C03	13C03	19940907	Total Semivolatile Hydrocarbons	52323.0000	IC		0.0	1.5			2680	
13B03	13B03	19940907	Total Semivolatile Hydrocarbons	50394.0000	IC		0.0	1.5			2680	
13C02	13C02	19940907	Total Semivolatile Hydrocarbons	24689.0000	IC		0.0	1.5			2680	

*Comments

1 Exceeds the 10-6 Risk-Based Guide Value
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Comparison values for results with comments are provided on the "Comparisons for Soil Analytical Results" table at the end of this appendix.

Building 49 Nondetects

Location_na	Sample_i	Collection_	Value_name	Measured_	Value_u	Detection_	Start_d	End_	Lab	Dat	Project_code
TF85	000286	20010716	1,1,1-Trichloroethane	5.000	UG/KG	5.000	16.0	20.0	U		TF2001
TF85	000287	20010716	1,1,1-Trichloroethane	5.000	UG/KG	5.000	20.0	24.0	U		TF2001
TF85	000289	20010716	1,1,1-Trichloroethane	5.000	UG/KG	5.000	28.0	30.0	U		TF2001
TF85	000285	20010716	1,1,1-Trichloroethane	5.000	UG/KG	5.000	16.0	20.0	U		TF2001
TF85	000283	20010716	1,1,1-Trichloroethane	5.000	UG/KG	5.000	8.0	12.0	U	UJ	TF2001
TF85	000282	20010716	1,1,1-Trichloroethane	5.000	UG/KG	5.000	4.0	8.0	U		TF2001
TF79	000321	20010718	1,1,1-Trichloroethane	5.000	UG/KG	5.000	0.0	4.0	U		TF2001
TF79	000327	20010718	1,1,1-Trichloroethane	5.000	UG/KG	5.000	24.0	28.0	U		TF2001
TF79	000320	20010718	1,1,1-Trichloroethane	5.000	UG/KG	5.000	0.0	4.0	U		TF2001
TF79	000322	20010718	1,1,1-Trichloroethane	5.000	UG/KG	5.000	4.0	8.0	U		TF2001
TF79	000328	20010718	1,1,1-Trichloroethane	5.000	UG/KG	5.000	28.0	32.0	U		TF2001
TF79	000325	20010718	1,1,1-Trichloroethane	5.000	UG/KG	5.000	16.0	20.0	U		TF2001
TF78	000221	20010710	1,1,1-Trichloroethane	5.000	UG/KG	5.000	32.0	36.0	U		TF2001
TF78	000215	20010710	1,1,1-Trichloroethane	5.000	UG/KG	5.000	8.0	12.0	U		TF2001
TF78	000213	20010710	1,1,1-Trichloroethane	5.000	UG/KG	5.000	4.0	8.0	U		TF2001
TF76	000127	20010718	1,1,1-Trichloroethane	5.000	UG/KG	5.000	12.0	16.0	U		TF2001
SGC059	A13059	19960208	1,1,1-Trichloroethane	5.000	UG/KG	5.000	0.0	3.0	U		SGCSP
TF85	000288	20010716	1,1,1-Trichloroethane	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF85	000284	20010716	1,1,1-Trichloroethane	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF85	000281	20010716	1,1,1-Trichloroethane	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF82	000244	20010712	1,1,1-Trichloroethane	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF82	000246	20010712	1,1,1-Trichloroethane	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF82	000247	20010712	1,1,1-Trichloroethane	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF82	000243	20010712	1,1,1-Trichloroethane	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF82	000248	20010712	1,1,1-Trichloroethane	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF82	000245	20010712	1,1,1-Trichloroethane	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF82	000249	20010712	1,1,1-Trichloroethane	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF82	000250	20010712	1,1,1-Trichloroethane	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF81	000228	20010711	1,1,1-Trichloroethane	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF81	000254	20010712	1,1,1-Trichloroethane	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF81	000252	20010712	1,1,1-Trichloroethane	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF81	000251	20010712	1,1,1-Trichloroethane	6.000	UG/KG	6.000	0.0	4.0	U	UJ	TF2001
TF81	000259	20010712	1,1,1-Trichloroethane	6.000	UG/KG	6.000	28.0	32.0	U		TF2001
TF81	000253	20010712	1,1,1-Trichloroethane	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF81	000255	20010712	1,1,1-Trichloroethane	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF81	000257	20010712	1,1,1-Trichloroethane	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF81	000258	20010712	1,1,1-Trichloroethane	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF81	000256	20010712	1,1,1-Trichloroethane	6.000	UG/KG	6.000	16.0	20.0	U		TF2001

Location_na	Sample_i	Collection_	Value_name	Measured_	Value_u	Detection_	Start_d	End_	Lab	Dat	Project_code
TF79	000326	20010718	1,1,1-Trichloroethane	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF79	000324	20010718	1,1,1-Trichloroethane	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF79	000323	20010718	1,1,1-Trichloroethane	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF79	000329	20010718	1,1,1-Trichloroethane	6.000	UG/KG	6.000	32.0	36.0	U		TF2001
TF78	000214	20010710	1,1,1-Trichloroethane	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF78	000217	20010710	1,1,1-Trichloroethane	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF78	000218	20010710	1,1,1-Trichloroethane	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF78	000219	20010710	1,1,1-Trichloroethane	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF78	000216	20010710	1,1,1-Trichloroethane	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF78	000220	20010710	1,1,1-Trichloroethane	6.000	UG/KG	6.000	28.0	32.0	U		TF2001
TF78	000212	20010710	1,1,1-Trichloroethane	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF76	000126	20010720	1,1,1-Trichloroethane	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF76	000124	20010718	1,1,1-Trichloroethane	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF76	000123	20010718	1,1,1-Trichloroethane	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF76	000125	20010718	1,1,1-Trichloroethane	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF75	000331	20010718	1,1,1-Trichloroethane	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF75	000333	20010718	1,1,1-Trichloroethane	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF75	000334	20010718	1,1,1-Trichloroethane	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF75	000335	20010718	1,1,1-Trichloroethane	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF75	000332	20010718	1,1,1-Trichloroethane	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF75	000339	20010718	1,1,1-Trichloroethane	6.000	UG/KG	6.000	32.0	36.0	U		TF2001
TF75	000338	20010718	1,1,1-Trichloroethane	6.000	UG/KG	6.000	28.0	32.0	U	UJ	TF2001
TF75	000336	20010718	1,1,1-Trichloroethane	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF75	000337	20010720	1,1,1-Trichloroethane	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF75	000330	20010718	1,1,1-Trichloroethane	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
SGC058	A13058	19960221	1,1,1-Trichloroethane	6.000	UG/KG	6.000	0.0	0.0	U		SGCSP
SGC056	A13056	19960208	1,1,1-Trichloroethane	6.000	UG/KG	6.000	0.0	1.5	U		SGCSP
SGC061	A13061	19960208	1,1,1-Trichloroethane	6.000	UG/KG	6.000	0.0	3.0	U		SGCSP
SGC061	A13061	19960208	1,1,1-Trichloroethane	1400.000	UG/KG	1400.000	0.0	3.0	U		SGCSP
TF85	000286	20010716	1,1,2,2-Tetrachloroethane	5.000	UG/KG	5.000	16.0	20.0	U		TF2001
TF85	000287	20010716	1,1,2,2-Tetrachloroethane	5.000	UG/KG	5.000	20.0	24.0	U		TF2001
TF85	000289	20010716	1,1,2,2-Tetrachloroethane	5.000	UG/KG	5.000	28.0	30.0	U		TF2001
TF85	000285	20010716	1,1,2,2-Tetrachloroethane	5.000	UG/KG	5.000	16.0	20.0	U		TF2001
TF85	000283	20010716	1,1,2,2-Tetrachloroethane	5.000	UG/KG	5.000	8.0	12.0	U	UJ	TF2001
TF85	000282	20010716	1,1,2,2-Tetrachloroethane	5.000	UG/KG	5.000	4.0	8.0	U		TF2001
TF79	000321	20010718	1,1,2,2-Tetrachloroethane	5.000	UG/KG	5.000	0.0	4.0	U		TF2001
TF79	000327	20010718	1,1,2,2-Tetrachloroethane	5.000	UG/KG	5.000	24.0	28.0	U		TF2001
TF79	000320	20010718	1,1,2,2-Tetrachloroethane	5.000	UG/KG	5.000	0.0	4.0	U		TF2001
TF79	000322	20010718	1,1,2,2-Tetrachloroethane	5.000	UG/KG	5.000	4.0	8.0	U		TF2001
TF79	000328	20010718	1,1,2,2-Tetrachloroethane	5.000	UG/KG	5.000	28.0	32.0	U		TF2001

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Location_na	Sample_i	Collection_	Value_name	Measured_	Value_u	Detection_	Start_d	End_	Lab	Dat	Project_code
TF79	000325	20010718	1,1,2,2-Tetrachloroethane	5.000	UG/KG	5.000	16.0	20.0	U		TF2001
TF78	000221	20010710	1,1,2,2-Tetrachloroethane	5.000	UG/KG	5.000	32.0	36.0	U		TF2001
TF78	000215	20010710	1,1,2,2-Tetrachloroethane	5.000	UG/KG	5.000	8.0	12.0	U		TF2001
TF78	000213	20010710	1,1,2,2-Tetrachloroethane	5.000	UG/KG	5.000	4.0	8.0	U		TF2001
TF76	000127	20010718	1,1,2,2-Tetrachloroethane	5.000	UG/KG	5.000	12.0	16.0	U		TF2001
SGC059	A13059	19960208	1,1,2,2-Tetrachloroethane	5.000	UG/KG	5.000	0.0	3.0	U		SGCSP
TF85	000288	20010716	1,1,2,2-Tetrachloroethane	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF85	000284	20010716	1,1,2,2-Tetrachloroethane	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF85	000281	20010716	1,1,2,2-Tetrachloroethane	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF82	000244	20010712	1,1,2,2-Tetrachloroethane	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF82	000246	20010712	1,1,2,2-Tetrachloroethane	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF82	000247	20010712	1,1,2,2-Tetrachloroethane	6.000	UG/KG	6.000	16.0	20.0	U	UJ	TF2001
TF82	000243	20010712	1,1,2,2-Tetrachloroethane	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF82	000248	20010712	1,1,2,2-Tetrachloroethane	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF82	000245	20010712	1,1,2,2-Tetrachloroethane	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF82	000249	20010712	1,1,2,2-Tetrachloroethane	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF82	000250	20010712	1,1,2,2-Tetrachloroethane	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF81	000228	20010711	1,1,2,2-Tetrachloroethane	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF81	000254	20010712	1,1,2,2-Tetrachloroethane	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF81	000252	20010712	1,1,2,2-Tetrachloroethane	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF81	000251	20010712	1,1,2,2-Tetrachloroethane	6.000	UG/KG	6.000	0.0	4.0	U	UJ	TF2001
TF81	000259	20010712	1,1,2,2-Tetrachloroethane	6.000	UG/KG	6.000	28.0	32.0	U		TF2001
TF81	000253	20010712	1,1,2,2-Tetrachloroethane	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF81	000255	20010712	1,1,2,2-Tetrachloroethane	6.000	UG/KG	6.000	12.0	16.0	U	UJ	TF2001
TF81	000257	20010712	1,1,2,2-Tetrachloroethane	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF81	000258	20010712	1,1,2,2-Tetrachloroethane	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF81	000256	20010712	1,1,2,2-Tetrachloroethane	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF79	000326	20010718	1,1,2,2-Tetrachloroethane	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF79	000324	20010718	1,1,2,2-Tetrachloroethane	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF79	000323	20010718	1,1,2,2-Tetrachloroethane	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF79	000329	20010718	1,1,2,2-Tetrachloroethane	6.000	UG/KG	6.000	32.0	36.0	U		TF2001
TF78	000214	20010710	1,1,2,2-Tetrachloroethane	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF78	000217	20010710	1,1,2,2-Tetrachloroethane	6.000	UG/KG	6.000	16.0	20.0	U	UJ	TF2001
TF78	000218	20010710	1,1,2,2-Tetrachloroethane	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF78	000219	20010710	1,1,2,2-Tetrachloroethane	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF78	000216	20010710	1,1,2,2-Tetrachloroethane	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF78	000220	20010710	1,1,2,2-Tetrachloroethane	6.000	UG/KG	6.000	28.0	32.0	U		TF2001
TF78	000212	20010710	1,1,2,2-Tetrachloroethane	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF76	000126	20010720	1,1,2,2-Tetrachloroethane	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF76	000124	20010718	1,1,2,2-Tetrachloroethane	6.000	UG/KG	6.000	4.0	8.0	U		TF2001

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Location_na	Sample_i	Collection_	Value_name	Measured_	Value_u	Detection_	Start_d	End_	Lab	Dat	Project_code
TF76	000123	20010718	1,1,2,2-Tetrachloroethane	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF76	000125	20010718	1,1,2,2-Tetrachloroethane	6.000	UG/KG	6.000	8.0	12.0	U	UJ	TF2001
TF75	000331	20010718	1,1,2,2-Tetrachloroethane	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF75	000333	20010718	1,1,2,2-Tetrachloroethane	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF75	000334	20010718	1,1,2,2-Tetrachloroethane	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF75	000335	20010718	1,1,2,2-Tetrachloroethane	6.000	UG/KG	6.000	16.0	20.0	U	UJ	TF2001
TF75	000332	20010718	1,1,2,2-Tetrachloroethane	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF75	000339	20010718	1,1,2,2-Tetrachloroethane	6.000	UG/KG	6.000	32.0	36.0	U		TF2001
TF75	000338	20010718	1,1,2,2-Tetrachloroethane	6.000	UG/KG	6.000	28.0	32.0	U	UJ	TF2001
TF75	000336	20010718	1,1,2,2-Tetrachloroethane	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF75	000337	20010720	1,1,2,2-Tetrachloroethane	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF75	000330	20010718	1,1,2,2-Tetrachloroethane	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
SGC058	A13058	19960221	1,1,2,2-Tetrachloroethane	6.000	UG/KG	6.000	0.0	0.0	U		SGCSP
SGC056	A13056	19960208	1,1,2,2-Tetrachloroethane	6.000	UG/KG	6.000	0.0	1.5	U		SGCSP
SGC061	A13061	19960208	1,1,2,2-Tetrachloroethane	6.000	UG/KG	6.000	0.0	3.0	U		SGCSP
SGC061	A13061	19960208	1,1,2,2-Tetrachloroethane	1400.000	UG/KG	1400.000	0.0	3.0	U		SGCSP
TF85	000286	20010716	1,1,2-Trichloroethane	5.000	UG/KG	5.000	16.0	20.0	U		TF2001
TF85	000287	20010716	1,1,2-Trichloroethane	5.000	UG/KG	5.000	20.0	24.0	U		TF2001
TF85	000289	20010716	1,1,2-Trichloroethane	5.000	UG/KG	5.000	28.0	30.0	U		TF2001
TF85	000285	20010716	1,1,2-Trichloroethane	5.000	UG/KG	5.000	16.0	20.0	U		TF2001
TF85	000283	20010716	1,1,2-Trichloroethane	5.000	UG/KG	5.000	8.0	12.0	U	UJ	TF2001
TF85	000282	20010716	1,1,2-Trichloroethane	5.000	UG/KG	5.000	4.0	8.0	U		TF2001
TF79	000321	20010718	1,1,2-Trichloroethane	5.000	UG/KG	5.000	0.0	4.0	U		TF2001
TF79	000327	20010718	1,1,2-Trichloroethane	5.000	UG/KG	5.000	24.0	28.0	U		TF2001
TF79	000320	20010718	1,1,2-Trichloroethane	5.000	UG/KG	5.000	0.0	4.0	U		TF2001
TF79	000322	20010718	1,1,2-Trichloroethane	5.000	UG/KG	5.000	4.0	8.0	U		TF2001
TF79	000328	20010718	1,1,2-Trichloroethane	5.000	UG/KG	5.000	28.0	32.0	U		TF2001
TF79	000325	20010718	1,1,2-Trichloroethane	5.000	UG/KG	5.000	16.0	20.0	U		TF2001
TF78	000221	20010710	1,1,2-Trichloroethane	5.000	UG/KG	5.000	32.0	36.0	U		TF2001
TF78	000215	20010710	1,1,2-Trichloroethane	5.000	UG/KG	5.000	8.0	12.0	U		TF2001
TF78	000213	20010710	1,1,2-Trichloroethane	5.000	UG/KG	5.000	4.0	8.0	U		TF2001
TF76	000127	20010718	1,1,2-Trichloroethane	5.000	UG/KG	5.000	12.0	16.0	U		TF2001
SGC059	A13059	19960208	1,1,2-Trichloroethane	5.000	UG/KG	5.000	0.0	3.0	U		SGCSP
TF85	000288	20010716	1,1,2-Trichloroethane	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF85	000284	20010716	1,1,2-Trichloroethane	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF85	000281	20010716	1,1,2-Trichloroethane	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF82	000244	20010712	1,1,2-Trichloroethane	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF82	000246	20010712	1,1,2-Trichloroethane	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF82	000247	20010712	1,1,2-Trichloroethane	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF82	000243	20010712	1,1,2-Trichloroethane	6.000	UG/KG	6.000	0.0	4.0	U		TF2001

Location_na	Sample_i	Collection_	Value_name	Measured_	Value_u	Detection_	Start_d	End_	Lab	Dat	Project_code
TF82	000248	20010712	1,1,2-Trichloroethane	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF82	000245	20010712	1,1,2-Trichloroethane	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF82	000249	20010712	1,1,2-Trichloroethane	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF82	000250	20010712	1,1,2-Trichloroethane	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF81	000228	20010711	1,1,2-Trichloroethane	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF81	000254	20010712	1,1,2-Trichloroethane	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF81	000252	20010712	1,1,2-Trichloroethane	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF81	000251	20010712	1,1,2-Trichloroethane	6.000	UG/KG	6.000	0.0	4.0	U	UJ	TF2001
TF81	000259	20010712	1,1,2-Trichloroethane	6.000	UG/KG	6.000	28.0	32.0	U		TF2001
TF81	000253	20010712	1,1,2-Trichloroethane	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF81	000255	20010712	1,1,2-Trichloroethane	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF81	000257	20010712	1,1,2-Trichloroethane	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF81	000258	20010712	1,1,2-Trichloroethane	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF81	000256	20010712	1,1,2-Trichloroethane	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF79	000326	20010718	1,1,2-Trichloroethane	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF79	000324	20010718	1,1,2-Trichloroethane	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF79	000323	20010718	1,1,2-Trichloroethane	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF79	000329	20010718	1,1,2-Trichloroethane	6.000	UG/KG	6.000	32.0	36.0	U		TF2001
TF78	000214	20010710	1,1,2-Trichloroethane	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF78	000217	20010710	1,1,2-Trichloroethane	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF78	000218	20010710	1,1,2-Trichloroethane	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF78	000219	20010710	1,1,2-Trichloroethane	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF78	000216	20010710	1,1,2-Trichloroethane	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF78	000220	20010710	1,1,2-Trichloroethane	6.000	UG/KG	6.000	28.0	32.0	U		TF2001
TF78	000212	20010710	1,1,2-Trichloroethane	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF76	000126	20010720	1,1,2-Trichloroethane	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF76	000124	20010718	1,1,2-Trichloroethane	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF76	000123	20010718	1,1,2-Trichloroethane	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF76	000125	20010718	1,1,2-Trichloroethane	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF75	000331	20010718	1,1,2-Trichloroethane	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF75	000333	20010718	1,1,2-Trichloroethane	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF75	000334	20010718	1,1,2-Trichloroethane	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF75	000335	20010718	1,1,2-Trichloroethane	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF75	000332	20010718	1,1,2-Trichloroethane	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF75	000339	20010718	1,1,2-Trichloroethane	6.000	UG/KG	6.000	32.0	36.0	U		TF2001
TF75	000338	20010718	1,1,2-Trichloroethane	6.000	UG/KG	6.000	28.0	32.0	U	UJ	TF2001
TF75	000336	20010718	1,1,2-Trichloroethane	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF75	000337	20010720	1,1,2-Trichloroethane	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF75	000330	20010718	1,1,2-Trichloroethane	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
SGC058	A13058	19960221	1,1,2-Trichloroethane	6.000	UG/KG	6.000	0.0	0.0	U		SGCSP

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Location_na	Sample_i	Collection_	Value_name	Measured_	Value_u	Detection_	Start_d	End_	Lab Dat	Project_code
SGC056	A13056	19960208	1,1,2-Trichloroethane	6.000	UG/KG	6.000	0.0	1.5	U	SGCSP
SGC061	A13061	19960208	1,1,2-Trichloroethane	6.000	UG/KG	6.000	0.0	3.0	U	SGCSP
SGC061	A13061	19960208	1,1,2-Trichloroethane	1400.000	UG/KG	1400.000	0.0	3.0	U	SGCSP
TF85	000286	20010716	1,1-Dichloroethane	5.000	UG/KG	5.000	16.0	20.0	U	TF2001
TF85	000287	20010716	1,1-Dichloroethane	5.000	UG/KG	5.000	20.0	24.0	U	TF2001
TF85	000289	20010716	1,1-Dichloroethane	5.000	UG/KG	5.000	28.0	30.0	U	TF2001
TF85	000285	20010716	1,1-Dichloroethane	5.000	UG/KG	5.000	16.0	20.0	U	TF2001
TF85	000283	20010716	1,1-Dichloroethane	5.000	UG/KG	5.000	8.0	12.0	U	TF2001
TF85	000282	20010716	1,1-Dichloroethane	5.000	UG/KG	5.000	4.0	8.0	U	TF2001
TF79	000321	20010718	1,1-Dichloroethane	5.000	UG/KG	5.000	0.0	4.0	U	TF2001
TF79	000327	20010718	1,1-Dichloroethane	5.000	UG/KG	5.000	24.0	28.0	U	TF2001
TF79	000320	20010718	1,1-Dichloroethane	5.000	UG/KG	5.000	0.0	4.0	U	TF2001
TF79	000322	20010718	1,1-Dichloroethane	5.000	UG/KG	5.000	4.0	8.0	U	TF2001
TF79	000328	20010718	1,1-Dichloroethane	5.000	UG/KG	5.000	28.0	32.0	U	TF2001
TF79	000325	20010718	1,1-Dichloroethane	5.000	UG/KG	5.000	16.0	20.0	U	TF2001
TF78	000221	20010710	1,1-Dichloroethane	5.000	UG/KG	5.000	32.0	36.0	U	TF2001
TF78	000215	20010710	1,1-Dichloroethane	5.000	UG/KG	5.000	8.0	12.0	U	TF2001
TF78	000213	20010710	1,1-Dichloroethane	5.000	UG/KG	5.000	4.0	8.0	U	TF2001
TF76	000127	20010718	1,1-Dichloroethane	5.000	UG/KG	5.000	12.0	16.0	U	TF2001
SGC059	A13059	19960208	1,1-Dichloroethane	5.000	UG/KG	5.000	0.0	3.0	U	SGCSP
TF85	000288	20010716	1,1-Dichloroethane	6.000	UG/KG	6.000	24.0	28.0	U	TF2001
TF85	000284	20010716	1,1-Dichloroethane	6.000	UG/KG	6.000	12.0	16.0	U	TF2001
TF85	000281	20010716	1,1-Dichloroethane	6.000	UG/KG	6.000	0.0	4.0	U	TF2001
TF82	000244	20010712	1,1-Dichloroethane	6.000	UG/KG	6.000	0.0	4.0	U	TF2001
TF82	000246	20010712	1,1-Dichloroethane	6.000	UG/KG	6.000	8.0	12.0	U	TF2001
TF82	000247	20010712	1,1-Dichloroethane	6.000	UG/KG	6.000	16.0	20.0	U	TF2001
TF82	000243	20010712	1,1-Dichloroethane	6.000	UG/KG	6.000	0.0	4.0	U	TF2001
TF82	000248	20010712	1,1-Dichloroethane	6.000	UG/KG	6.000	16.0	20.0	U	TF2001
TF82	000245	20010712	1,1-Dichloroethane	6.000	UG/KG	6.000	4.0	8.0	U	TF2001
TF82	000249	20010712	1,1-Dichloroethane	6.000	UG/KG	6.000	20.0	24.0	U	TF2001
TF82	000250	20010712	1,1-Dichloroethane	6.000	UG/KG	6.000	24.0	28.0	U	TF2001
TF81	000228	20010711	1,1-Dichloroethane	6.000	UG/KG	6.000	12.0	16.0	U	TF2001
TF81	000254	20010712	1,1-Dichloroethane	6.000	UG/KG	6.000	8.0	12.0	U	TF2001
TF81	000252	20010712	1,1-Dichloroethane	6.000	UG/KG	6.000	4.0	8.0	U	TF2001
TF81	000251	20010712	1,1-Dichloroethane	6.000	UG/KG	6.000	0.0	4.0	U	TF2001
TF81	000259	20010712	1,1-Dichloroethane	6.000	UG/KG	6.000	28.0	32.0	U	TF2001
TF81	000253	20010712	1,1-Dichloroethane	6.000	UG/KG	6.000	8.0	12.0	U	TF2001
TF81	000255	20010712	1,1-Dichloroethane	6.000	UG/KG	6.000	12.0	16.0	U	TF2001
TF81	000257	20010712	1,1-Dichloroethane	6.000	UG/KG	6.000	20.0	24.0	U	TF2001
TF81	000258	20010712	1,1-Dichloroethane	6.000	UG/KG	6.000	24.0	28.0	U	TF2001

Location_na	Sample_i	Collection_	Value_name	Measured_	Value_u	Detection_	Start_d	End_	Lab	Dat	Project_code
TF81	000256	20010712	1,1-Dichloroethane	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF79	000326	20010718	1,1-Dichloroethane	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF79	000324	20010718	1,1-Dichloroethane	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF79	000323	20010718	1,1-Dichloroethane	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF79	000329	20010718	1,1-Dichloroethane	6.000	UG/KG	6.000	32.0	36.0	U		TF2001
TF78	000214	20010710	1,1-Dichloroethane	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF78	000217	20010710	1,1-Dichloroethane	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF78	000218	20010710	1,1-Dichloroethane	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF78	000219	20010710	1,1-Dichloroethane	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF78	000216	20010710	1,1-Dichloroethane	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF78	000220	20010710	1,1-Dichloroethane	6.000	UG/KG	6.000	28.0	32.0	U		TF2001
TF78	000212	20010710	1,1-Dichloroethane	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF76	000126	20010720	1,1-Dichloroethane	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF76	000124	20010718	1,1-Dichloroethane	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF76	000123	20010718	1,1-Dichloroethane	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF76	000125	20010718	1,1-Dichloroethane	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF75	000331	20010718	1,1-Dichloroethane	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF75	000333	20010718	1,1-Dichloroethane	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF75	000334	20010718	1,1-Dichloroethane	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF75	000335	20010718	1,1-Dichloroethane	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF75	000332	20010718	1,1-Dichloroethane	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF75	000339	20010718	1,1-Dichloroethane	6.000	UG/KG	6.000	32.0	36.0	U		TF2001
TF75	000338	20010718	1,1-Dichloroethane	6.000	UG/KG	6.000	28.0	32.0	U	UJ	TF2001
TF75	000336	20010718	1,1-Dichloroethane	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF75	000337	20010720	1,1-Dichloroethane	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF75	000330	20010718	1,1-Dichloroethane	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
SGC058	A13058	19960221	1,1-Dichloroethane	6.000	UG/KG	6.000	0.0	0.0	U		SGCSP
SGC056	A13056	19960208	1,1-Dichloroethane	6.000	UG/KG	6.000	0.0	1.5	U		SGCSP
SGC061	A13061	19960208	1,1-Dichloroethane	6.000	UG/KG	6.000	0.0	3.0	U		SGCSP
SGC061	A13061	19960208	1,1-Dichloroethane	1400.000	UG/KG	1400.000	0.0	3.0	U		SGCSP
TF85	000286	20010716	1,1-Dichloroethene	5.000	UG/KG	5.000	16.0	20.0	U		TF2001
TF85	000287	20010716	1,1-Dichloroethene	5.000	UG/KG	5.000	20.0	24.0	U		TF2001
TF85	000289	20010716	1,1-Dichloroethene	5.000	UG/KG	5.000	28.0	30.0	U		TF2001
TF85	000285	20010716	1,1-Dichloroethene	5.000	UG/KG	5.000	16.0	20.0	U		TF2001
TF85	000283	20010716	1,1-Dichloroethene	5.000	UG/KG	5.000	8.0	12.0	U		TF2001
TF85	000282	20010716	1,1-Dichloroethene	5.000	UG/KG	5.000	4.0	8.0	U		TF2001
TF79	000321	20010718	1,1-Dichloroethene	5.000	UG/KG	5.000	0.0	4.0	U		TF2001
TF79	000327	20010718	1,1-Dichloroethene	5.000	UG/KG	5.000	24.0	28.0	U		TF2001
TF79	000320	20010718	1,1-Dichloroethene	5.000	UG/KG	5.000	0.0	4.0	U		TF2001
TF79	000322	20010718	1,1-Dichloroethene	5.000	UG/KG	5.000	4.0	8.0	U		TF2001

Location_na	Sample_i	Collection_	Value_name	Measured_	Value_u	Detection_	Start_d	End_	Lab Dat	Project_code
TF79	000328	20010718	1,1-Dichloroethene	5.000	UG/KG	5.000	28.0	32.0	U	TF2001
TF79	000325	20010718	1,1-Dichloroethene	5.000	UG/KG	5.000	16.0	20.0	U	TF2001
TF78	000221	20010710	1,1-Dichloroethene	5.000	UG/KG	5.000	32.0	36.0	U	TF2001
TF78	000215	20010710	1,1-Dichloroethene.	5.000	UG/KG	5.000	8.0	12.0	U	TF2001
TF78	000213	20010710	1,1-Dichloroethene	5.000	UG/KG	5.000	4.0	8.0	U	TF2001
TF76	000127	20010718	1,1-Dichloroethene	5.000	UG/KG	5.000	12.0	16.0	U	TF2001
SGC059	A13059	19960208	1,1-Dichloroethene	5.000	UG/KG	5.000	0.0	3.0	U	SGCSP
TF85	000288	20010716	1,1-Dichloroethene	6.000	UG/KG	6.000	24.0	28.0	U	TF2001
TF85	000284	20010716	1,1-Dichloroethene	6.000	UG/KG	6.000	12.0	16.0	U	TF2001
TF85	000281	20010716	1,1-Dichloroethene	6.000	UG/KG	6.000	0.0	4.0	U	TF2001
TF82	000244	20010712	1,1-Dichloroethene	6.000	UG/KG	6.000	0.0	4.0	U	TF2001
TF82	000246	20010712	1,1-Dichloroethene	6.000	UG/KG	6.000	8.0	12.0	U	TF2001
TF82	000247	20010712	1,1-Dichloroethene	6.000	UG/KG	6.000	16.0	20.0	U	TF2001
TF82	000243	20010712	1,1-Dichloroethene	6.000	UG/KG	6.000	0.0	4.0	U	TF2001
TF82	000248	20010712	1,1-Dichloroethene	6.000	UG/KG	6.000	16.0	20.0	U	TF2001
TF82	000245	20010712	1,1-Dichloroethene	6.000	UG/KG	6.000	4.0	8.0	U	TF2001
TF82	000249	20010712	1,1-Dichloroethene	6.000	UG/KG	6.000	20.0	24.0	U	TF2001
TF82	000250	20010712	1,1-Dichloroethene	6.000	UG/KG	6.000	24.0	28.0	U	TF2001
TF81	000228	20010711	1,1-Dichloroethene	6.000	UG/KG	6.000	12.0	16.0	U	TF2001
TF81	000254	20010712	1,1-Dichloroethene	6.000	UG/KG	6.000	8.0	12.0	U	TF2001
TF81	000252	20010712	1,1-Dichloroethene	6.000	UG/KG	6.000	4.0	8.0	U	TF2001
TF81	000251	20010712	1,1-Dichloroethene	6.000	UG/KG	6.000	0.0	4.0	U	TF2001
TF81	000259	20010712	1,1-Dichloroethene	6.000	UG/KG	6.000	28.0	32.0	U	TF2001
TF81	000253	20010712	1,1-Dichloroethene	6.000	UG/KG	6.000	8.0	12.0	U	TF2001
TF81	000255	20010712	1,1-Dichloroethene	6.000	UG/KG	6.000	12.0	16.0	U	TF2001
TF81	000257	20010712	1,1-Dichloroethene	6.000	UG/KG	6.000	20.0	24.0	U	TF2001
TF81	000258	20010712	1,1-Dichloroethene	6.000	UG/KG	6.000	24.0	28.0	U	TF2001
TF81	000256	20010712	1,1-Dichloroethene	6.000	UG/KG	6.000	16.0	20.0	U	TF2001
TF79	000326	20010718	1,1-Dichloroethene	6.000	UG/KG	6.000	20.0	24.0	U	TF2001
TF79	000324	20010718	1,1-Dichloroethene	6.000	UG/KG	6.000	12.0	16.0	U	TF2001
TF79	000323	20010718	1,1-Dichloroethene	6.000	UG/KG	6.000	8.0	12.0	U	TF2001
TF79	000329	20010718	1,1-Dichloroethene	6.000	UG/KG	6.000	32.0	36.0	U	TF2001
TF78	000214	20010710	1,1-Dichloroethene	6.000	UG/KG	6.000	4.0	8.0	U	TF2001
TF78	000217	20010710	1,1-Dichloroethene	6.000	UG/KG	6.000	16.0	20.0	U	TF2001
TF78	000218	20010710	1,1-Dichloroethene	6.000	UG/KG	6.000	20.0	24.0	U	TF2001
TF78	000219	20010710	1,1-Dichloroethene	6.000	UG/KG	6.000	24.0	28.0	U	TF2001
TF78	000216	20010710	1,1-Dichloroethene	6.000	UG/KG	6.000	12.0	16.0	U	TF2001
TF78	000220	20010710	1,1-Dichloroethene	6.000	UG/KG	6.000	28.0	32.0	U	TF2001
TF78	000212	20010710	1,1-Dichloroethene	6.000	UG/KG	6.000	0.0	4.0	U	TF2001
TF76	000126	20010720	1,1-Dichloroethene	6.000	UG/KG	6.000	8.0	12.0	U	TF2001

Location_na	Sample_i	Collection_	Value_name	Measured_	Value_u	Detection_	Start_d	End_	Lab	Dat	Project_code
TF76	000124	20010718	1,1-Dichloroethene	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF76	000123	20010718	1,1-Dichloroethene	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF76	000125	20010718	1,1-Dichloroethene	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF75	000331	20010718	1,1-Dichloroethene	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF75	000333	20010718	1,1-Dichloroethene	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF75	000334	20010718	1,1-Dichloroethene	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF75	000335	20010718	1,1-Dichloroethene	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF75	000332	20010718	1,1-Dichloroethene	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF75	000339	20010718	1,1-Dichloroethene	6.000	UG/KG	6.000	32.0	36.0	U		TF2001
TF75	000338	20010718	1,1-Dichloroethene	6.000	UG/KG	6.000	28.0	32.0	U	UJ	TF2001
TF75	000336	20010718	1,1-Dichloroethene	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF75	000337	20010720	1,1-Dichloroethene	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF75	000330	20010718	1,1-Dichloroethene	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
SGC058	A13058	19960221	1,1-Dichloroethene	6.000	UG/KG	6.000	0.0	0.0	U		SGCSP
SGC056	A13056	19960208	1,1-Dichloroethene	6.000	UG/KG	6.000	0.0	1.5	U		SGCSP
SGC061	A13061	19960208	1,1-Dichloroethene	6.000	UG/KG	6.000	0.0	3.0	U		SGCSP
SGC061	A13061	19960208	1,1-Dichloroethene	1400.000	UG/KG	1400.000	0.0	3.0	U		SGCSP
SGC056	A13056	19960208	1,2,4-Trichlorobenzene	350.000	UG/KG	350.000	0.0	1.5	U		SGCSP
SGC059	A13059	19960208	1,2,4-Trichlorobenzene	360.000	UG/KG	360.000	0.0	3.0	U		SGCSP
SGC058	A13058	19960221	1,2,4-Trichlorobenzene	360.000	UG/KG	360.000	0.0	0.0	U		SGCSP
SGC061	A13061	19960208	1,2,4-Trichlorobenzene	370.000	UG/KG	370.000	0.0	3.0	U		SGCSP
SGC056	A13056	19960208	1,2-Dichlorobenzene	350.000	UG/KG	350.000	0.0	1.5	U		SGCSP
SGC059	A13059	19960208	1,2-Dichlorobenzene	360.000	UG/KG	360.000	0.0	3.0	U		SGCSP
SGC058	A13058	19960221	1,2-Dichlorobenzene	360.000	UG/KG	360.000	0.0	0.0	U		SGCSP
SGC061	A13061	19960208	1,2-Dichlorobenzene	370.000	UG/KG	370.000	0.0	3.0	U		SGCSP
TF85	000286	20010716	1,2-Dichloroethane	5.000	UG/KG	5.000	16.0	20.0	U		TF2001
TF85	000287	20010716	1,2-Dichloroethane	5.000	UG/KG	5.000	20.0	24.0	U		TF2001
TF85	000289	20010716	1,2-Dichloroethane	5.000	UG/KG	5.000	28.0	30.0	U		TF2001
TF85	000285	20010716	1,2-Dichloroethane	5.000	UG/KG	5.000	16.0	20.0	U		TF2001
TF85	000283	20010716	1,2-Dichloroethane	5.000	UG/KG	5.000	8.0	12.0	U		TF2001
TF85	000282	20010716	1,2-Dichloroethane	5.000	UG/KG	5.000	4.0	8.0	U		TF2001
TF79	000321	20010718	1,2-Dichloroethane	5.000	UG/KG	5.000	0.0	4.0	U		TF2001
TF79	000327	20010718	1,2-Dichloroethane	5.000	UG/KG	5.000	24.0	28.0	U		TF2001
TF79	000320	20010718	1,2-Dichloroethane	5.000	UG/KG	5.000	0.0	4.0	U		TF2001
TF79	000322	20010718	1,2-Dichloroethane	5.000	UG/KG	5.000	4.0	8.0	U		TF2001
TF79	000328	20010718	1,2-Dichloroethane	5.000	UG/KG	5.000	28.0	32.0	U		TF2001
TF79	000325	20010718	1,2-Dichloroethane	5.000	UG/KG	5.000	16.0	20.0	U		TF2001
TF78	000221	20010710	1,2-Dichloroethane	5.000	UG/KG	5.000	32.0	36.0	U		TF2001
TF78	000215	20010710	1,2-Dichloroethane	5.000	UG/KG	5.000	8.0	12.0	U		TF2001
TF78	000213	20010710	1,2-Dichloroethane	5.000	UG/KG	5.000	4.0	8.0	U		TF2001

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Location_na	Sample_i	Collection_	Value_name	Measured_	Value_u	Detection_	Start_d	End_	Lab Dat	Project_code
TF76	000127	20010718	1,2-Dichloroethane	5.000	UG/KG	5.000	12.0	16.0	U	TF2001
SGC059	A13059	19960208	1,2-Dichloroethane	5.000	UG/KG	5.000	0.0	3.0	U	SGCSP
TF85	000288	20010716	1,2-Dichloroethane	6.000	UG/KG	6.000	24.0	28.0	U	TF2001
TF85	000284	20010716	1,2-Dichloroethane	6.000	UG/KG	6.000	12.0	16.0	U	TF2001
TF85	000281	20010716	1,2-Dichloroethane	6.000	UG/KG	6.000	0.0	4.0	U	TF2001
TF82	000244	20010712	1,2-Dichloroethane	6.000	UG/KG	6.000	0.0	4.0	U	TF2001
TF82	000246	20010712	1,2-Dichloroethane	6.000	UG/KG	6.000	8.0	12.0	U	TF2001
TF82	000247	20010712	1,2-Dichloroethane	6.000	UG/KG	6.000	16.0	20.0	U	TF2001
TF82	000243	20010712	1,2-Dichloroethane	6.000	UG/KG	6.000	0.0	4.0	U	TF2001
TF82	000248	20010712	1,2-Dichloroethane	6.000	UG/KG	6.000	16.0	20.0	U	TF2001
TF82	000245	20010712	1,2-Dichloroethane	6.000	UG/KG	6.000	4.0	8.0	U	TF2001
TF82	000249	20010712	1,2-Dichloroethane	6.000	UG/KG	6.000	20.0	24.0	U	TF2001
TF82	000250	20010712	1,2-Dichloroethane	6.000	UG/KG	6.000	24.0	28.0	U	TF2001
TF81	000228	20010711	1,2-Dichloroethane	6.000	UG/KG	6.000	12.0	16.0	U	TF2001
TF81	000254	20010712	1,2-Dichloroethane	6.000	UG/KG	6.000	8.0	12.0	U	TF2001
TF81	000252	20010712	1,2-Dichloroethane	6.000	UG/KG	6.000	4.0	8.0	U	TF2001
TF81	000251	20010712	1,2-Dichloroethane	6.000	UG/KG	6.000	0.0	4.0	U	TF2001
TF81	000259	20010712	1,2-Dichloroethane	6.000	UG/KG	6.000	28.0	32.0	U	TF2001
TF81	000253	20010712	1,2-Dichloroethane	6.000	UG/KG	6.000	8.0	12.0	U	TF2001
TF81	000255	20010712	1,2-Dichloroethane	6.000	UG/KG	6.000	12.0	16.0	U	TF2001
TF81	000257	20010712	1,2-Dichloroethane	6.000	UG/KG	6.000	20.0	24.0	U	TF2001
TF81	000258	20010712	1,2-Dichloroethane	6.000	UG/KG	6.000	24.0	28.0	U	TF2001
TF81	000256	20010712	1,2-Dichloroethane	6.000	UG/KG	6.000	16.0	20.0	U	TF2001
TF79	000326	20010718	1,2-Dichloroethane	6.000	UG/KG	6.000	20.0	24.0	U	TF2001
TF79	000324	20010718	1,2-Dichloroethane	6.000	UG/KG	6.000	12.0	16.0	U	TF2001
TF79	000323	20010718	1,2-Dichloroethane	6.000	UG/KG	6.000	8.0	12.0	U	TF2001
TF79	000329	20010718	1,2-Dichloroethane	6.000	UG/KG	6.000	32.0	36.0	U	TF2001
TF78	000214	20010710	1,2-Dichloroethane	6.000	UG/KG	6.000	4.0	8.0	U	TF2001
TF78	000217	20010710	1,2-Dichloroethane	6.000	UG/KG	6.000	16.0	20.0	U	TF2001
TF78	000218	20010710	1,2-Dichloroethane	6.000	UG/KG	6.000	20.0	24.0	U	TF2001
TF78	000219	20010710	1,2-Dichloroethane	6.000	UG/KG	6.000	24.0	28.0	U	TF2001
TF78	000216	20010710	1,2-Dichloroethane	6.000	UG/KG	6.000	12.0	16.0	U	TF2001
TF78	000220	20010710	1,2-Dichloroethane	6.000	UG/KG	6.000	28.0	32.0	U	TF2001
TF78	000212	20010710	1,2-Dichloroethane	6.000	UG/KG	6.000	0.0	4.0	U	TF2001
TF76	000126	20010720	1,2-Dichloroethane	6.000	UG/KG	6.000	8.0	12.0	U	TF2001
TF76	000124	20010718	1,2-Dichloroethane	6.000	UG/KG	6.000	4.0	8.0	U	TF2001
TF76	000123	20010718	1,2-Dichloroethane	6.000	UG/KG	6.000	0.0	4.0	U	TF2001
TF76	000125	20010718	1,2-Dichloroethane	6.000	UG/KG	6.000	8.0	12.0	U	TF2001
TF75	000331	20010718	1,2-Dichloroethane	6.000	UG/KG	6.000	0.0	4.0	U	TF2001
TF75	000333	20010718	1,2-Dichloroethane	6.000	UG/KG	6.000	8.0	12.0	U	TF2001

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Location_na	Sample_i	Collection_	Value_name	Measured_	Value_u	Detection_	Start_d	End_	Lab	Dat	Project_code
TF75	000334	20010718	1,2-Dichloroethane	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF75	000335	20010718	1,2-Dichloroethane	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF75	000332	20010718	1,2-Dichloroethane	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF75	000339	20010718	1,2-Dichloroethane	6.000	UG/KG	6.000	32.0	36.0	U		TF2001
TF75	000338	20010718	1,2-Dichloroethane	6.000	UG/KG	6.000	28.0	32.0	U	UJ	TF2001
TF75	000336	20010718	1,2-Dichloroethane	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF75	000337	20010720	1,2-Dichloroethane	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF75	000330	20010718	1,2-Dichloroethane	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
SGC058	A13058	19960221	1,2-Dichloroethane	6.000	UG/KG	6.000	0.0	0.0	U		SGCSP
SGC056	A13056	19960208	1,2-Dichloroethane	6.000	UG/KG	6.000	0.0	1.5	U		SGCSP
SGC061	A13061	19960208	1,2-Dichloroethane	6.000	UG/KG	6.000	0.0	3.0	U		SGCSP
SGC061	A13061	19960208	1,2-Dichloroethane	1400.000	UG/KG	1400.000	0.0	3.0	U		SGCSP
TF85	000286	20010716	1,2-Dichloroethene	5.000	UG/KG	5.000	16.0	20.0	U		TF2001
TF85	000287	20010716	1,2-Dichloroethene	5.000	UG/KG	5.000	20.0	24.0	U		TF2001
TF85	000289	20010716	1,2-Dichloroethene	5.000	UG/KG	5.000	28.0	30.0	U		TF2001
TF85	000285	20010716	1,2-Dichloroethene	5.000	UG/KG	5.000	16.0	20.0	U		TF2001
TF85	000283	20010716	1,2-Dichloroethene	5.000	UG/KG	5.000	8.0	12.0	U		TF2001
TF85	000282	20010716	1,2-Dichloroethene	5.000	UG/KG	5.000	4.0	8.0	U		TF2001
TF79	000321	20010718	1,2-Dichloroethene	5.000	UG/KG	5.000	0.0	4.0	U		TF2001
TF79	000320	20010718	1,2-Dichloroethene	5.000	UG/KG	5.000	0.0	4.0	U		TF2001
TF78	000221	20010710	1,2-Dichloroethene	5.000	UG/KG	5.000	32.0	36.0	U		TF2001
TF78	000215	20010710	1,2-Dichloroethene	5.000	UG/KG	5.000	8.0	12.0	U		TF2001
TF78	000213	20010710	1,2-Dichloroethene	5.000	UG/KG	5.000	4.0	8.0	U		TF2001
TF76	000127	20010718	1,2-Dichloroethene	5.000	UG/KG	5.000	12.0	16.0	U		TF2001
SGC059	A13059	19960208	1,2-Dichloroethene	5.000	UG/KG	5.000	0.0	3.0	U		SGCSP
TF85	000288	20010716	1,2-Dichloroethene	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF85	000284	20010716	1,2-Dichloroethene	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF85	000281	20010716	1,2-Dichloroethene	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF82	000244	20010712	1,2-Dichloroethene	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF82	000246	20010712	1,2-Dichloroethene	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF82	000247	20010712	1,2-Dichloroethene	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF82	000243	20010712	1,2-Dichloroethene	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF82	000248	20010712	1,2-Dichloroethene	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF82	000245	20010712	1,2-Dichloroethene	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF82	000249	20010712	1,2-Dichloroethene	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF82	000250	20010712	1,2-Dichloroethene	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF81	000228	20010711	1,2-Dichloroethene	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF81	000254	20010712	1,2-Dichloroethene	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF81	000251	20010712	1,2-Dichloroethene	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF81	000259	20010712	1,2-Dichloroethene	6.000	UG/KG	6.000	28.0	32.0	U		TF2001

Location_na	Sample_i	Collection_	Value_name	Measured_	Value_u	Detection_	Start_d	End_	Lab	Dat	Project_code
TF81	000253	20010712	1,2-Dichloroethene	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF81	000255	20010712	1,2-Dichloroethene	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF81	000257	20010712	1,2-Dichloroethene	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF81	000258	20010712	1,2-Dichloroethene	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF81	000256	20010712	1,2-Dichloroethene	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF78	000214	20010710	1,2-Dichloroethene	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF78	000217	20010710	1,2-Dichloroethene	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF78	000218	20010710	1,2-Dichloroethene	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF78	000219	20010710	1,2-Dichloroethene	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF78	000216	20010710	1,2-Dichloroethene	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF78	000220	20010710	1,2-Dichloroethene	6.000	UG/KG	6.000	28.0	32.0	U		TF2001
TF78	000212	20010710	1,2-Dichloroethene	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF76	000126	20010720	1,2-Dichloroethene	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF76	000124	20010718	1,2-Dichloroethene	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF76	000123	20010718	1,2-Dichloroethene	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF76	000125	20010718	1,2-Dichloroethene	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF75	000331	20010718	1,2-Dichloroethene	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF75	000333	20010718	1,2-Dichloroethene	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF75	000334	20010718	1,2-Dichloroethene	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF75	000335	20010718	1,2-Dichloroethene	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF75	000332	20010718	1,2-Dichloroethene	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF75	000339	20010718	1,2-Dichloroethene	6.000	UG/KG	6.000	32.0	36.0	U		TF2001
TF75	000338	20010718	1,2-Dichloroethene	6.000	UG/KG	6.000	28.0	32.0	U	UJ	TF2001
TF75	000336	20010718	1,2-Dichloroethene	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF75	000337	20010720	1,2-Dichloroethene	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF75	000330	20010718	1,2-Dichloroethene	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
SGC058	A13058	19960221	1,2-Dichloroethene	6.000	UG/KG	6.000	0.0	0.0	U		SGCSP
SGC056	A13056	19960208	1,2-Dichloroethene	6.000	UG/KG	6.000	0.0	1.5	U		SGCSP
SGC061	A13061	19960208	1,2-Dichloroethene	1400.000	UG/KG	1400.000	0.0	3.0	U		SGCSP
TF85	000286	20010716	1,2-Dichloropropane	5.000	UG/KG	5.000	16.0	20.0	U		TF2001
TF85	000287	20010716	1,2-Dichloropropane	5.000	UG/KG	5.000	20.0	24.0	U		TF2001
TF85	000289	20010716	1,2-Dichloropropane	5.000	UG/KG	5.000	28.0	30.0	U		TF2001
TF85	000285	20010716	1,2-Dichloropropane	5.000	UG/KG	5.000	16.0	20.0	U		TF2001
TF85	000283	20010716	1,2-Dichloropropane	5.000	UG/KG	5.000	8.0	12.0	U	UJ	TF2001
TF85	000282	20010716	1,2-Dichloropropane	5.000	UG/KG	5.000	4.0	8.0	U		TF2001
TF79	000321	20010718	1,2-Dichloropropane	5.000	UG/KG	5.000	0.0	4.0	U		TF2001
TF79	000327	20010718	1,2-Dichloropropane	5.000	UG/KG	5.000	24.0	28.0	U		TF2001
TF79	000320	20010718	1,2-Dichloropropane	5.000	UG/KG	5.000	0.0	4.0	U		TF2001
TF79	000322	20010718	1,2-Dichloropropane	5.000	UG/KG	5.000	4.0	8.0	U		TF2001
TF79	000328	20010718	1,2-Dichloropropane	5.000	UG/KG	5.000	28.0	32.0	U		TF2001

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Location_na	Sample_i	Collection_	Value_name	Measured_	Value_u	Detection_	Start_d	End_	Lab	Dat	Project_code
TF79	000325	20010718	1,2-Dichloropropane	5.000	UG/KG	5.000	16.0	20.0	U		TF2001
TF78	000221	20010710	1,2-Dichloropropane	5.000	UG/KG	5.000	32.0	36.0	U		TF2001
TF78	000215	20010710	1,2-Dichloropropane	5.000	UG/KG	5.000	8.0	12.0	U		TF2001
TF78	000213	20010710	1,2-Dichloropropane	5.000	UG/KG	5.000	4.0	8.0	U		TF2001
TF76	000127	20010718	1,2-Dichloropropane	5.000	UG/KG	5.000	12.0	16.0	U		TF2001
SGC059	A13059	19960208	1,2-Dichloropropane	5.000	UG/KG	5.000	0.0	3.0	U		SGCSP
TF85	000288	20010716	1,2-Dichloropropane	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF85	000284	20010716	1,2-Dichloropropane	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF85	000281	20010716	1,2-Dichloropropane	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF82	000244	20010712	1,2-Dichloropropane	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF82	000246	20010712	1,2-Dichloropropane	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF82	000247	20010712	1,2-Dichloropropane	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF82	000243	20010712	1,2-Dichloropropane	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF82	000248	20010712	1,2-Dichloropropane	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF82	000245	20010712	1,2-Dichloropropane	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF82	000249	20010712	1,2-Dichloropropane	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF82	000250	20010712	1,2-Dichloropropane	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF81	000228	20010711	1,2-Dichloropropane	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF81	000254	20010712	1,2-Dichloropropane	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF81	000252	20010712	1,2-Dichloropropane	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF81	000251	20010712	1,2-Dichloropropane	6.000	UG/KG	6.000	0.0	4.0	U	UJ	TF2001
TF81	000259	20010712	1,2-Dichloropropane	6.000	UG/KG	6.000	28.0	32.0	U		TF2001
TF81	000253	20010712	1,2-Dichloropropane	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF81	000255	20010712	1,2-Dichloropropane	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF81	000257	20010712	1,2-Dichloropropane	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF81	000258	20010712	1,2-Dichloropropane	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF81	000256	20010712	1,2-Dichloropropane	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF79	000326	20010718	1,2-Dichloropropane	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF79	000324	20010718	1,2-Dichloropropane	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF79	000323	20010718	1,2-Dichloropropane	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF79	000329	20010718	1,2-Dichloropropane	6.000	UG/KG	6.000	32.0	36.0	U		TF2001
TF78	000214	20010710	1,2-Dichloropropane	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF78	000217	20010710	1,2-Dichloropropane	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF78	000218	20010710	1,2-Dichloropropane	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF78	000219	20010710	1,2-Dichloropropane	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF78	000216	20010710	1,2-Dichloropropane	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF78	000220	20010710	1,2-Dichloropropane	6.000	UG/KG	6.000	28.0	32.0	U		TF2001
TF78	000212	20010710	1,2-Dichloropropane	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF76	000126	20010720	1,2-Dichloropropane	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF76	000124	20010718	1,2-Dichloropropane	6.000	UG/KG	6.000	4.0	8.0	U		TF2001

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Location_na	Sample_i	Collection_	Value_name	Measured_	Value_u	Detection_	Start_d	End_	Lab	Dat	Project_code
TF76	000123	20010718	1,2-Dichloropropane	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF76	000125	20010718	1,2-Dichloropropane	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF75	000331	20010718	1,2-Dichloropropane	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF75	000333	20010718	1,2-Dichloropropane	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF75	000334	20010718	1,2-Dichloropropane	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF75	000335	20010718	1,2-Dichloropropane	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF75	000332	20010718	1,2-Dichloropropane	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF75	000339	20010718	1,2-Dichloropropane	6.000	UG/KG	6.000	32.0	36.0	U		TF2001
TF75	000338	20010718	1,2-Dichloropropane	6.000	UG/KG	6.000	28.0	32.0	U	UJ	TF2001
TF75	000336	20010718	1,2-Dichloropropane	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF75	000337	20010720	1,2-Dichloropropane	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF75	000330	20010718	1,2-Dichloropropane	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
SGC058	A13058	19960221	1,2-Dichloropropane	6.000	UG/KG	6.000	0.0	0.0	U		SGCSP
SGC056	A13056	19960208	1,2-Dichloropropane	6.000	UG/KG	6.000	0.0	1.5	U		SGCSP
SGC061	A13061	19960208	1,2-Dichloropropane	6.000	UG/KG	6.000	0.0	3.0	U		SGCSP
SGC061	A13061	19960208	1,2-Dichloropropane	1400.000	UG/KG	1400.000	0.0	3.0	U		SGCSP
SGC058	A13058	19960221	1,3,5-Trinitrobenzene	226.000	UG/KG	226.000	0.0	0.0	U		SGCSP
SGC059	A13059	19960208	1,3,5-Trinitrobenzene	227.000	UG/KG	227.000	0.0	3.0	U		SGCSP
SGC056	A13056	19960208	1,3,5-Trinitrobenzene	228.000	UG/KG	228.000	0.0	1.5	U		SGCSP
SGC061	A13061	19960208	1,3,5-Trinitrobenzene	232.000	UG/KG	232.000	0.0	3.0	U		SGCSP
TF85	000286	20010716	1,3-cis-Dichloropropene	5.000	UG/KG	5.000	16.0	20.0	U		TF2001
TF85	000287	20010716	1,3-cis-Dichloropropene	5.000	UG/KG	5.000	20.0	24.0	U		TF2001
TF85	000289	20010716	1,3-cis-Dichloropropene	5.000	UG/KG	5.000	28.0	30.0	U		TF2001
TF85	000285	20010716	1,3-cis-Dichloropropene	5.000	UG/KG	5.000	16.0	20.0	U		TF2001
TF85	000283	20010716	1,3-cis-Dichloropropene	5.000	UG/KG	5.000	8.0	12.0	U	UJ	TF2001
TF85	000282	20010716	1,3-cis-Dichloropropene	5.000	UG/KG	5.000	4.0	8.0	U		TF2001
TF79	000321	20010718	1,3-cis-Dichloropropene	5.000	UG/KG	5.000	0.0	4.0	U		TF2001
TF79	000327	20010718	1,3-cis-Dichloropropene	5.000	UG/KG	5.000	24.0	28.0	U		TF2001
TF79	000320	20010718	1,3-cis-Dichloropropene	5.000	UG/KG	5.000	0.0	4.0	U		TF2001
TF79	000322	20010718	1,3-cis-Dichloropropene	5.000	UG/KG	5.000	4.0	8.0	U		TF2001
TF79	000328	20010718	1,3-cis-Dichloropropene	5.000	UG/KG	5.000	28.0	32.0	U		TF2001
TF79	000325	20010718	1,3-cis-Dichloropropene	5.000	UG/KG	5.000	16.0	20.0	U		TF2001
TF78	000221	20010710	1,3-cis-Dichloropropene	5.000	UG/KG	5.000	32.0	36.0	U		TF2001
TF78	000215	20010710	1,3-cis-Dichloropropene	5.000	UG/KG	5.000	8.0	12.0	U		TF2001
TF78	000213	20010710	1,3-cis-Dichloropropene	5.000	UG/KG	5.000	4.0	8.0	U		TF2001
TF76	000127	20010718	1,3-cis-Dichloropropene	5.000	UG/KG	5.000	12.0	16.0	U		TF2001
SGC059	A13059	19960208	1,3-cis-Dichloropropene	5.000	UG/KG	5.000	0.0	3.0	U		SGCSP
TF85	000288	20010716	1,3-cis-Dichloropropene	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF85	000284	20010716	1,3-cis-Dichloropropene	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF85	000281	20010716	1,3-cis-Dichloropropene	6.000	UG/KG	6.000	0.0	4.0	U		TF2001

Location_na	Sample_i	Collection_	Value_name	Measured_	Value_u	Detection_	Start_d	End_	Lab	Dat	Project_code
TF82	000244	20010712	1,3-cis-Dichloropropene	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF82	000246	20010712	1,3-cis-Dichloropropene	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF82	000247	20010712	1,3-cis-Dichloropropene	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF82	000243	20010712	1,3-cis-Dichloropropene	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF82	000248	20010712	1,3-cis-Dichloropropene	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF82	000245	20010712	1,3-cis-Dichloropropene	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF82	000249	20010712	1,3-cis-Dichloropropene	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF82	000250	20010712	1,3-cis-Dichloropropene	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF81	000228	20010711	1,3-cis-Dichloropropene	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF81	000254	20010712	1,3-cis-Dichloropropene	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF81	000252	20010712	1,3-cis-Dichloropropene	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF81	000251	20010712	1,3-cis-Dichloropropene	6.000	UG/KG	6.000	0.0	4.0	U	UJ	TF2001
TF81	000259	20010712	1,3-cis-Dichloropropene	6.000	UG/KG	6.000	28.0	32.0	U		TF2001
TF81	000253	20010712	1,3-cis-Dichloropropene	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF81	000255	20010712	1,3-cis-Dichloropropene	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF81	000257	20010712	1,3-cis-Dichloropropene	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF81	000258	20010712	1,3-cis-Dichloropropene	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF81	000256	20010712	1,3-cis-Dichloropropene	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF79	000326	20010718	1,3-cis-Dichloropropene	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF79	000324	20010718	1,3-cis-Dichloropropene	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF79	000323	20010718	1,3-cis-Dichloropropene	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF79	000329	20010718	1,3-cis-Dichloropropene	6.000	UG/KG	6.000	32.0	36.0	U		TF2001
TF78	000214	20010710	1,3-cis-Dichloropropene	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF78	000217	20010710	1,3-cis-Dichloropropene	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF78	000218	20010710	1,3-cis-Dichloropropene	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF78	000219	20010710	1,3-cis-Dichloropropene	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF78	000216	20010710	1,3-cis-Dichloropropene	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF78	000220	20010710	1,3-cis-Dichloropropene	6.000	UG/KG	6.000	28.0	32.0	U		TF2001
TF78	000212	20010710	1,3-cis-Dichloropropene	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF76	000126	20010720	1,3-cis-Dichloropropene	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF76	000124	20010718	1,3-cis-Dichloropropene	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF76	000123	20010718	1,3-cis-Dichloropropene	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF76	000125	20010718	1,3-cis-Dichloropropene	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF75	000331	20010718	1,3-cis-Dichloropropene	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF75	000333	20010718	1,3-cis-Dichloropropene	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF75	000334	20010718	1,3-cis-Dichloropropene	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF75	000335	20010718	1,3-cis-Dichloropropene	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF75	000332	20010718	1,3-cis-Dichloropropene	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF75	000339	20010718	1,3-cis-Dichloropropene	6.000	UG/KG	6.000	32.0	36.0	U		TF2001
TF75	000338	20010718	1,3-cis-Dichloropropene	6.000	UG/KG	6.000	28.0	32.0	U	UJ	TF2001

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Location_na	Sample_i	Collection_	Value_name	Measured_	Value_u	Detection_	Start_d	End_	Lab	Dat	Project_code
TF75	000336	20010718	1,3-cis-Dichloropropene	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF75	000337	20010720	1,3-cis-Dichloropropene	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF75	000330	20010718	1,3-cis-Dichloropropene	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
SGC058	A13058	19960221	1,3-cis-Dichloropropene	6.000	UG/KG	6.000	0.0	0.0	U		SGCSP
SGC056	A13056	19960208	1,3-cis-Dichloropropene	6.000	UG/KG	6.000	0.0	1.5	U		SGCSP
SGC061	A13061	19960208	1,3-cis-Dichloropropene	6.000	UG/KG	6.000	0.0	3.0	U		SGCSP
SGC061	A13061	19960208	1,3-cis-Dichloropropene	1400.000	UG/KG	1400.000	0.0	3.0	U		SGCSP
SGC056	A13056	19960208	1,3-Dichlorobenzene	350.000	UG/KG	350.000	0.0	1.5	U		SGCSP
SGC059	A13059	19960208	1,3-Dichlorobenzene	360.000	UG/KG	360.000	0.0	3.0	U		SGCSP
SGC058	A13058	19960221	1,3-Dichlorobenzene	360.000	UG/KG	360.000	0.0	0.0	U		SGCSP
SGC061	A13061	19960208	1,3-Dichlorobenzene	370.000	UG/KG	370.000	0.0	3.0	U		SGCSP
SGC058	A13058	19960221	1,3-Dinitrobenzene	224.000	UG/KG	224.000	0.0	0.0	U		SGCSP
SGC059	A13059	19960208	1,3-Dinitrobenzene	225.000	UG/KG	225.000	0.0	3.0	U		SGCSP
SGC056	A13056	19960208	1,3-Dinitrobenzene	226.000	UG/KG	226.000	0.0	1.5	U		SGCSP
SGC061	A13061	19960208	1,3-Dinitrobenzene	230.000	UG/KG	230.000	0.0	3.0	U		SGCSP
TF85	000286	20010716	1,3-trans-Dichloropropene	5.000	UG/KG	5.000	16.0	20.0	U		TF2001
TF85	000287	20010716	1,3-trans-Dichloropropene	5.000	UG/KG	5.000	20.0	24.0	U		TF2001
TF85	000289	20010716	1,3-trans-Dichloropropene	5.000	UG/KG	5.000	28.0	30.0	U		TF2001
TF85	000285	20010716	1,3-trans-Dichloropropene	5.000	UG/KG	5.000	16.0	20.0	U		TF2001
TF85	000283	20010716	1,3-trans-Dichloropropene	5.000	UG/KG	5.000	8.0	12.0	U	UJ	TF2001
TF85	000282	20010716	1,3-trans-Dichloropropene	5.000	UG/KG	5.000	4.0	8.0	U		TF2001
TF79	000321	20010718	1,3-trans-Dichloropropene	5.000	UG/KG	5.000	0.0	4.0	U		TF2001
TF79	000327	20010718	1,3-trans-Dichloropropene	5.000	UG/KG	5.000	24.0	28.0	U		TF2001
TF79	000320	20010718	1,3-trans-Dichloropropene	5.000	UG/KG	5.000	0.0	4.0	U		TF2001
TF79	000322	20010718	1,3-trans-Dichloropropene	5.000	UG/KG	5.000	4.0	8.0	U		TF2001
TF79	000328	20010718	1,3-trans-Dichloropropene	5.000	UG/KG	5.000	28.0	32.0	U		TF2001
TF79	000325	20010718	1,3-trans-Dichloropropene	5.000	UG/KG	5.000	16.0	20.0	U		TF2001
TF78	000221	20010710	1,3-trans-Dichloropropene	5.000	UG/KG	5.000	32.0	36.0	U		TF2001
TF78	000215	20010710	1,3-trans-Dichloropropene	5.000	UG/KG	5.000	8.0	12.0	U		TF2001
TF78	000213	20010710	1,3-trans-Dichloropropene	5.000	UG/KG	5.000	4.0	8.0	U		TF2001
TF76	000127	20010718	1,3-trans-Dichloropropene	5.000	UG/KG	5.000	12.0	16.0	U		TF2001
SGC059	A13059	19960208	1,3-trans-Dichloropropene	5.000	UG/KG	5.000	0.0	3.0	U		SGCSP
TF85	000288	20010716	1,3-trans-Dichloropropene	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF85	000284	20010716	1,3-trans-Dichloropropene	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF85	000281	20010716	1,3-trans-Dichloropropene	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF82	000244	20010712	1,3-trans-Dichloropropene	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF82	000246	20010712	1,3-trans-Dichloropropene	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF82	000247	20010712	1,3-trans-Dichloropropene	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF82	000243	20010712	1,3-trans-Dichloropropene	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF82	000248	20010712	1,3-trans-Dichloropropene	6.000	UG/KG	6.000	16.0	20.0	U		TF2001

Location_na	Sample_i	Collection_	Value_name	Measured_	Value_u	Detection_	Start_d	End_	Lab	Dat	Project_code
TF82	000245	20010712	1,3-trans-Dichloropropene	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF82	000249	20010712	1,3-trans-Dichloropropene	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF82	000250	20010712	1,3-trans-Dichloropropene	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF81	000228	20010711	1,3-trans-Dichloropropene	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF81	000254	20010712	1,3-trans-Dichloropropene	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF81	000252	20010712	1,3-trans-Dichloropropene	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF81	000251	20010712	1,3-trans-Dichloropropene	6.000	UG/KG	6.000	0.0	4.0	U	UJ	TF2001
TF81	000259	20010712	1,3-trans-Dichloropropene	6.000	UG/KG	6.000	28.0	32.0	U		TF2001
TF81	000253	20010712	1,3-trans-Dichloropropene	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF81	000255	20010712	1,3-trans-Dichloropropene	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF81	000257	20010712	1,3-trans-Dichloropropene	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF81	000258	20010712	1,3-trans-Dichloropropene	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF81	000256	20010712	1,3-trans-Dichloropropene	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF79	000326	20010718	1,3-trans-Dichloropropene	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF79	000324	20010718	1,3-trans-Dichloropropene	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF79	000323	20010718	1,3-trans-Dichloropropene	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF79	000329	20010718	1,3-trans-Dichloropropene	6.000	UG/KG	6.000	32.0	36.0	U		TF2001
TF78	000214	20010710	1,3-trans-Dichloropropene	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF78	000217	20010710	1,3-trans-Dichloropropene	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF78	000218	20010710	1,3-trans-Dichloropropene	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF78	000219	20010710	1,3-trans-Dichloropropene	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF78	000216	20010710	1,3-trans-Dichloropropene	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF78	000220	20010710	1,3-trans-Dichloropropene	6.000	UG/KG	6.000	28.0	32.0	U		TF2001
TF78	000212	20010710	1,3-trans-Dichloropropene	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF76	000126	20010720	1,3-trans-Dichloropropene	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF76	000124	20010718	1,3-trans-Dichloropropene	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF76	000123	20010718	1,3-trans-Dichloropropene	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF76	000125	20010718	1,3-trans-Dichloropropene	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF75	000331	20010718	1,3-trans-Dichloropropene	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF75	000333	20010718	1,3-trans-Dichloropropene	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF75	000334	20010718	1,3-trans-Dichloropropene	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF75	000335	20010718	1,3-trans-Dichloropropene	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF75	000332	20010718	1,3-trans-Dichloropropene	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF75	000339	20010718	1,3-trans-Dichloropropene	6.000	UG/KG	6.000	32.0	36.0	U		TF2001
TF75	000338	20010718	1,3-trans-Dichloropropene	6.000	UG/KG	6.000	28.0	32.0	U	UJ	TF2001
TF75	000336	20010718	1,3-trans-Dichloropropene	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF75	000337	20010720	1,3-trans-Dichloropropene	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF75	000330	20010718	1,3-trans-Dichloropropene	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
SGC058	A13058	19960221	1,3-trans-Dichloropropene	6.000	UG/KG	6.000	0.0	0.0	U		SGCSP
SGC056	A13056	19960208	1,3-trans-Dichloropropene	6.000	UG/KG	6.000	0.0	1.5	U		SGCSP

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Location_na	Sample_i	Collection_	Value_name	Measured_	Value_u	Detection_	Start_d	End_	Lab Dat	Project_code
SGC061	A13061	19960208	1,3-trans-Dichloropropene	6.000	UG/KG	6.000	0.0	3.0	U	SGCSP
SGC061	A13061	19960208	1,3-trans-Dichloropropene	1400.000	UG/KG	1400.000	0.0	3.0	U	SGCSP
SGC056	A13056	19960208	1,4-Dichlorobenzene	350.000	UG/KG	350.000	0.0	1.5	U	SGCSP
SGC059	A13059	19960208	1,4-Dichlorobenzene	360.000	UG/KG	360.000	0.0	3.0	U	SGCSP
SGC058	A13058	19960221	1,4-Dichlorobenzene	360.000	UG/KG	360.000	0.0	0.0	U	SGCSP
SGC061	A13061	19960208	1,4-Dichlorobenzene	370.000	UG/KG	370.000	0.0	3.0	U	SGCSP
SGC056	A13056	19960208	1-chloro-4-phenoxybenzene	350.000	UG/KG	350.000	0.0	1.5	U	SGCSP
SGC059	A13059	19960208	1-chloro-4-phenoxybenzene	360.000	UG/KG	360.000	0.0	3.0	U	SGCSP
SGC058	A13058	19960221	1-chloro-4-phenoxybenzene	360.000	UG/KG	360.000	0.0	0.0	U	SGCSP
SGC061	A13061	19960208	1-chloro-4-phenoxybenzene	370.000	UG/KG	370.000	0.0	3.0	U	SGCSP
SGC056	A13056	19960208	2,2'-oxybis(1-chloropropane)	350.000	UG/KG	350.000	0.0	1.5	U	SGCSP
SGC059	A13059	19960208	2,2'-oxybis(1-chloropropane)	360.000	UG/KG	360.000	0.0	3.0	U	SGCSP
SGC058	A13058	19960221	2,2'-oxybis(1-chloropropane)	360.000	UG/KG	360.000	0.0	0.0	U	SGCSP
SGC061	A13061	19960208	2,2'-oxybis(1-chloropropane)	370.000	UG/KG	370.000	0.0	3.0	U	SGCSP
SGC056	A13056	19960208	2,4,5-Trichlorophenol	880.000	UG/KG	880.000	0.0	1.5	U	SGCSP
SGC058	A13058	19960221	2,4,5-Trichlorophenol	890.000	UG/KG	890.000	0.0	0.0	U	SGCSP
SGC059	A13059	19960208	2,4,5-Trichlorophenol	900.000	UG/KG	900.000	0.0	3.0	U	SGCSP
SGC061	A13061	19960208	2,4,5-Trichlorophenol	920.000	UG/KG	920.000	0.0	3.0	U	SGCSP
SGC056	A13056	19960208	2,4,6-Trichlorophenol	350.000	UG/KG	350.000	0.0	1.5	U	SGCSP
SGC059	A13059	19960208	2,4,6-Trichlorophenol	360.000	UG/KG	360.000	0.0	3.0	U	SGCSP
SGC058	A13058	19960221	2,4,6-Trichlorophenol	360.000	UG/KG	360.000	0.0	0.0	U	SGCSP
SGC061	A13061	19960208	2,4,6-Trichlorophenol	370.000	UG/KG	370.000	0.0	3.0	U	SGCSP
SGC058	A13058	19960221	2,4,6-Trinitrotoluene	226.000	UG/KG	226.000	0.0	0.0	U	SGCSP
SGC059	A13059	19960208	2,4,6-Trinitrotoluene	227.000	UG/KG	227.000	0.0	3.0	U	SGCSP
SGC056	A13056	19960208	2,4,6-Trinitrotoluene	228.000	UG/KG	228.000	0.0	1.5	U	SGCSP
SGC061	A13061	19960208	2,4,6-Trinitrotoluene	232.000	UG/KG	232.000	0.0	3.0	U	SGCSP
SGC056	A13056	19960208	2,4-Dichlorophenol	350.000	UG/KG	350.000	0.0	1.5	U	SGCSP
SGC059	A13059	19960208	2,4-Dichlorophenol	360.000	UG/KG	360.000	0.0	3.0	U	SGCSP
SGC058	A13058	19960221	2,4-Dichlorophenol	360.000	UG/KG	360.000	0.0	0.0	U	SGCSP
SGC061	A13061	19960208	2,4-Dichlorophenol	370.000	UG/KG	370.000	0.0	3.0	U	SGCSP
SGC056	A13056	19960208	2,4-Dimethylphenol	350.000	UG/KG	350.000	0.0	1.5	U	SGCSP
SGC059	A13059	19960208	2,4-Dimethylphenol	360.000	UG/KG	360.000	0.0	3.0	U	SGCSP
SGC058	A13058	19960221	2,4-Dimethylphenol	360.000	UG/KG	360.000	0.0	0.0	U	SGCSP
SGC061	A13061	19960208	2,4-Dimethylphenol	370.000	UG/KG	370.000	0.0	3.0	U	SGCSP
SGC056	A13056	19960208	2,4-Dinitrophenol	880.000	UG/KG	880.000	0.0	1.5	U	SGCSP
SGC058	A13058	19960221	2,4-Dinitrophenol	890.000	UG/KG	890.000	0.0	0.0	U	SGCSP
SGC059	A13059	19960208	2,4-Dinitrophenol	900.000	UG/KG	900.000	0.0	3.0	U	SGCSP
SGC061	A13061	19960208	2,4-Dinitrophenol	920.000	UG/KG	920.000	0.0	3.0	U	SGCSP
SGC058	A13058	19960221	2,4-Dinitrotoluene	224.000	UG/KG	224.000	0.0	0.0	U	SGCSP
SGC059	A13059	19960208	2,4-Dinitrotoluene	225.000	UG/KG	225.000	0.0	3.0	U	SGCSP

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Location_na	Sample_i	Collection_	Value_name	Measured_	Value_u	Detection_	Start_d	End_	Lab	Dat	Project_code
SGC056	A13056	19960208	2,4-Dinitrotoluene	226.000	UG/KG	226.000	0.0	1.5	U		SGCSP
SGC061	A13061	19960208	2,4-Dinitrotoluene	230.000	UG/KG	230.000	0.0	3.0	U		SGCSP
SGC056	A13056	19960208	2,4-Dinitrotoluene	350.000	UG/KG	350.000	0.0	1.5	U		SGCSP
SGC059	A13059	19960208	2,4-Dinitrotoluene	360.000	UG/KG	360.000	0.0	3.0	U		SGCSP
SGC058	A13058	19960221	2,4-Dinitrotoluene	360.000	UG/KG	360.000	0.0	0.0	U		SGCSP
SGC061	A13061	19960208	2,4-Dinitrotoluene	370.000	UG/KG	370.000	0.0	3.0	U		SGCSP
SGC058	A13058	19960221	2,6-Dinitrotoluene	233.000	UG/KG	233.000	0.0	0.0	U		SGCSP
SGC059	A13059	19960208	2,6-Dinitrotoluene	234.000	UG/KG	234.000	0.0	3.0	U		SGCSP
SGC056	A13056	19960208	2,6-Dinitrotoluene	235.000	UG/KG	235.000	0.0	1.5	U		SGCSP
SGC061	A13061	19960208	2,6-Dinitrotoluene	240.000	UG/KG	240.000	0.0	3.0	U		SGCSP
SGC056	A13056	19960208	2,6-Dinitrotoluene	350.000	UG/KG	350.000	0.0	1.5	U		SGCSP
SGC059	A13059	19960208	2,6-Dinitrotoluene	360.000	UG/KG	360.000	0.0	3.0	U		SGCSP
SGC058	A13058	19960221	2,6-Dinitrotoluene	360.000	UG/KG	360.000	0.0	0.0	U		SGCSP
SGC061	A13061	19960208	2,6-Dinitrotoluene	370.000	UG/KG	370.000	0.0	3.0	U		SGCSP
TF85	000287	20010716	2-Butanone	9.000	UG/KG	9.000	20.0	24.0	U		TF2001
TF85	000286	20010716	2-Butanone	10.000	UG/KG	10.000	16.0	20.0	U		TF2001
TF85	000289	20010716	2-Butanone	10.000	UG/KG	10.000	28.0	30.0	U		TF2001
TF85	000285	20010716	2-Butanone	10.000	UG/KG	10.000	16.0	20.0	U		TF2001
TF85	000283	20010716	2-Butanone	10.000	UG/KG	10.000	8.0	12.0	U	UJ	TF2001
TF85	000282	20010716	2-Butanone	10.000	UG/KG	10.000	4.0	8.0	U		TF2001
TF79	000321	20010718	2-Butanone	10.000	UG/KG	10.000	0.0	4.0	U		TF2001
TF79	000327	20010718	2-Butanone	10.000	UG/KG	10.000	24.0	28.0	U		TF2001
TF79	000320	20010718	2-Butanone	10.000	UG/KG	10.000	0.0	4.0	U		TF2001
TF79	000322	20010718	2-Butanone	10.000	UG/KG	10.000	4.0	8.0	U		TF2001
TF79	000328	20010718	2-Butanone	10.000	UG/KG	10.000	28.0	32.0	U		TF2001
TF79	000325	20010718	2-Butanone	10.000	UG/KG	10.000	16.0	20.0	U		TF2001
TF78	000221	20010710	2-Butanone	10.000	UG/KG	10.000	32.0	36.0	U		TF2001
TF78	000215	20010710	2-Butanone	10.000	UG/KG	10.000	8.0	12.0	U		TF2001
TF78	000213	20010710	2-Butanone	10.000	UG/KG	10.000	4.0	8.0	U		TF2001
TF76	000127	20010718	2-Butanone	10.000	UG/KG	10.000	12.0	16.0	U		TF2001
SGC059	A13059	19960208	2-Butanone	10.000	UG/KG	10.000	0.0	3.0	U		SGCSP
TF85	000288	20010716	2-Butanone	11.000	UG/KG	11.000	24.0	28.0	U		TF2001
TF85	000281	20010716	2-Butanone	11.000	UG/KG	11.000	0.0	4.0	U		TF2001
TF82	000244	20010712	2-Butanone	11.000	UG/KG	11.000	0.0	4.0	U		TF2001
TF82	000246	20010712	2-Butanone	11.000	UG/KG	11.000	8.0	12.0	U		TF2001
TF82	000247	20010712	2-Butanone	11.000	UG/KG	11.000	16.0	20.0	U		TF2001
TF82	000243	20010712	2-Butanone	11.000	UG/KG	11.000	0.0	4.0	U		TF2001
TF82	000248	20010712	2-Butanone	11.000	UG/KG	11.000	16.0	20.0	U		TF2001
TF82	000245	20010712	2-Butanone	11.000	UG/KG	11.000	4.0	8.0	U		TF2001
TF82	000249	20010712	2-Butanone	11.000	UG/KG	11.000	20.0	24.0	U		TF2001

Location_na	Sample_i	Collection_	Value_name	Measured_	Value_u	Detection_	Start_d	End_	Lab Dat	Project_code
TF82	000250	20010712	2-Butanone	11.000	UG/KG	11.000	24.0	28.0	U	TF2001
TF81	000228	20010711	2-Butanone	11.000	UG/KG	11.000	12.0	16.0	U	TF2001
TF81	000252	20010712	2-Butanone	11.000	UG/KG	11.000	4.0	8.0	U	TF2001
TF81	000251	20010712	2-Butanone	11.000	UG/KG	11.000	0.0	4.0	U	TF2001
TF81	000259	20010712	2-Butanone	11.000	UG/KG	11.000	28.0	32.0	U	TF2001
TF81	000253	20010712	2-Butanone	11.000	UG/KG	11.000	8.0	12.0	U	TF2001
TF81	000255	20010712	2-Butanone	11.000	UG/KG	11.000	12.0	16.0	U	TF2001
TF81	000258	20010712	2-Butanone	11.000	UG/KG	11.000	24.0	28.0	U	TF2001
TF81	000256	20010712	2-Butanone	11.000	UG/KG	11.000	16.0	20.0	U	TF2001
TF79	000326	20010718	2-Butanone	11.000	UG/KG	11.000	20.0	24.0	U	TF2001
TF79	000324	20010718	2-Butanone	11.000	UG/KG	11.000	12.0	16.0	U	TF2001
TF79	000323	20010718	2-Butanone	11.000	UG/KG	11.000	8.0	12.0	U	TF2001
TF79	000329	20010718	2-Butanone	11.000	UG/KG	11.000	32.0	36.0	U	TF2001
TF78	000214	20010710	2-Butanone	11.000	UG/KG	11.000	4.0	8.0	U	TF2001
TF78	000217	20010710	2-Butanone	11.000	UG/KG	11.000	16.0	20.0	U	TF2001
TF78	000218	20010710	2-Butanone	11.000	UG/KG	11.000	20.0	24.0	U	TF2001
TF78	000219	20010710	2-Butanone	11.000	UG/KG	11.000	24.0	28.0	U	TF2001
TF78	000216	20010710	2-Butanone	11.000	UG/KG	11.000	12.0	16.0	U	TF2001
TF78	000220	20010710	2-Butanone	11.000	UG/KG	11.000	28.0	32.0	U	TF2001
TF78	000212	20010710	2-Butanone	11.000	UG/KG	11.000	0.0	4.0	U	TF2001
TF76	000126	20010720	2-Butanone	11.000	UG/KG	11.000	8.0	12.0	U	TF2001
TF76	000124	20010718	2-Butanone	11.000	UG/KG	11.000	4.0	8.0	U	TF2001
TF76	000123	20010718	2-Butanone	11.000	UG/KG	11.000	0.0	4.0	U	TF2001
TF76	000125	20010718	2-Butanone	11.000	UG/KG	11.000	8.0	12.0	U	TF2001
TF75	000331	20010718	2-Butanone	11.000	UG/KG	11.000	0.0	4.0	U	TF2001
TF75	000333	20010718	2-Butanone	11.000	UG/KG	11.000	8.0	12.0	U	TF2001
TF75	000335	20010718	2-Butanone	11.000	UG/KG	11.000	16.0	20.0	U	TF2001
TF75	000332	20010718	2-Butanone	11.000	UG/KG	11.000	4.0	8.0	U	TF2001
TF75	000338	20010718	2-Butanone	11.000	UG/KG	11.000	28.0	32.0	U UJ	TF2001
TF75	000337	20010720	2-Butanone	11.000	UG/KG	11.000	24.0	28.0	U	TF2001
TF75	000330	20010718	2-Butanone	11.000	UG/KG	11.000	0.0	4.0	U	TF2001
SGC058	A13058	19960221	2-Butanone	11.000	UG/KG	11.000	0.0	0.0	U	SGCSP
SGC056	A13056	19960208	2-Butanone	11.000	UG/KG	11.000	0.0	1.5	U	SGCSP
SGC061	A13061	19960208	2-Butanone	11.000	UG/KG	11.000	0.0	3.0	U	SGCSP
TF81	000254	20010712	2-Butanone	12.000	UG/KG	12.000	8.0	12.0	U	TF2001
TF81	000257	20010712	2-Butanone	12.000	UG/KG	12.000	20.0	24.0	U	TF2001
TF75	000334	20010718	2-Butanone	12.000	UG/KG	12.000	12.0	16.0	U	TF2001
TF75	000339	20010718	2-Butanone	12.000	UG/KG	12.000	32.0	36.0	U	TF2001
TF75	000336	20010718	2-Butanone	12.000	UG/KG	12.000	20.0	24.0	U	TF2001
TF85	000284	20010716	2-Butanone	13.000	UG/KG	13.000	12.0	16.0	U	TF2001

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Location_na	Sample_i	Collection_	Value_name	Measured_	Value_u	Detection_	Start_d	End_	Lab	Dat	Project_code
SGC061	A13061	19960208	2-Butanone	2800.000	UG/KG	2800.000	0.0	3.0	U		SGCSP
SGC056	A13056	19960208	2-Chloronaphthalene	350.000	UG/KG	350.000	0.0	1.5	U		SGCSP
SGC059	A13059	19960208	2-Chloronaphthalene	360.000	UG/KG	360.000	0.0	3.0	U		SGCSP
SGC058	A13058	19960221	2-Chloronaphthalene	360.000	UG/KG	360.000	0.0	0.0	U		SGCSP
SGC061	A13061	19960208	2-Chloronaphthalene	370.000	UG/KG	370.000	0.0	3.0	U		SGCSP
SGC056	A13056	19960208	2-Chlorophenol	350.000	UG/KG	350.000	0.0	1.5	U		SGCSP
SGC059	A13059	19960208	2-Chlorophenol	360.000	UG/KG	360.000	0.0	3.0	U		SGCSP
SGC058	A13058	19960221	2-Chlorophenol	360.000	UG/KG	360.000	0.0	0.0	U		SGCSP
SGC061	A13061	19960208	2-Chlorophenol	370.000	UG/KG	370.000	0.0	3.0	U		SGCSP
TF85	000287	20010716	2-Hexanone	9.000	UG/KG	9.000	20.0	24.0	U		TF2001
TF85	000286	20010716	2-Hexanone	10.000	UG/KG	10.000	16.0	20.0	U		TF2001
TF85	000289	20010716	2-Hexanone	10.000	UG/KG	10.000	28.0	30.0	U		TF2001
TF85	000285	20010716	2-Hexanone	10.000	UG/KG	10.000	16.0	20.0	U		TF2001
TF85	000283	20010716	2-Hexanone	10.000	UG/KG	10.000	8.0	12.0	U	UJ	TF2001
TF85	000282	20010716	2-Hexanone	10.000	UG/KG	10.000	4.0	8.0	U		TF2001
TF79	000321	20010718	2-Hexanone	10.000	UG/KG	10.000	0.0	4.0	U		TF2001
TF79	000327	20010718	2-Hexanone	10.000	UG/KG	10.000	24.0	28.0	U		TF2001
TF79	000320	20010718	2-Hexanone	10.000	UG/KG	10.000	0.0	4.0	U		TF2001
TF79	000322	20010718	2-Hexanone	10.000	UG/KG	10.000	4.0	8.0	U		TF2001
TF79	000328	20010718	2-Hexanone	10.000	UG/KG	10.000	28.0	32.0	U		TF2001
TF79	000325	20010718	2-Hexanone	10.000	UG/KG	10.000	16.0	20.0	U		TF2001
TF78	000221	20010710	2-Hexanone	10.000	UG/KG	10.000	32.0	36.0	U		TF2001
TF78	000215	20010710	2-Hexanone	10.000	UG/KG	10.000	8.0	12.0	U		TF2001
TF78	000213	20010710	2-Hexanone	10.000	UG/KG	10.000	4.0	8.0	U		TF2001
TF76	000127	20010718	2-Hexanone	10.000	UG/KG	10.000	12.0	16.0	U	UJ	TF2001
SGC059	A13059	19960208	2-Hexanone	10.000	UG/KG	10.000	0.0	3.0	U		SGCSP
TF85	000288	20010716	2-Hexanone	11.000	UG/KG	11.000	24.0	28.0	U		TF2001
TF85	000281	20010716	2-Hexanone	11.000	UG/KG	11.000	0.0	4.0	U		TF2001
TF82	000244	20010712	2-Hexanone	11.000	UG/KG	11.000	0.0	4.0	U		TF2001
TF82	000246	20010712	2-Hexanone	11.000	UG/KG	11.000	8.0	12.0	U		TF2001
TF82	000247	20010712	2-Hexanone	11.000	UG/KG	11.000	16.0	20.0	U	UJ	TF2001
TF82	000243	20010712	2-Hexanone	11.000	UG/KG	11.000	0.0	4.0	U		TF2001
TF82	000248	20010712	2-Hexanone	11.000	UG/KG	11.000	16.0	20.0	U		TF2001
TF82	000245	20010712	2-Hexanone	11.000	UG/KG	11.000	4.0	8.0	U		TF2001
TF82	000249	20010712	2-Hexanone	11.000	UG/KG	11.000	20.0	24.0	U		TF2001
TF82	000250	20010712	2-Hexanone	11.000	UG/KG	11.000	24.0	28.0	U		TF2001
TF81	000228	20010711	2-Hexanone	11.000	UG/KG	11.000	12.0	16.0	U		TF2001
TF81	000252	20010712	2-Hexanone	11.000	UG/KG	11.000	4.0	8.0	U		TF2001
TF81	000251	20010712	2-Hexanone	11.000	UG/KG	11.000	0.0	4.0	U	UJ	TF2001
TF81	000259	20010712	2-Hexanone	11.000	UG/KG	11.000	28.0	32.0	U		TF2001

Location_na	Sample_i	Collection_	Value_name	Measured_	Value_u	Detection_	Start_d	End_	Lab	Dat	Project_code
TF81	000253	20010712	2-Hexanone	11.000	UG/KG	11.000	8.0	12.0	U		TF2001
TF81	000255	20010712	2-Hexanone	11.000	UG/KG	11.000	12.0	16.0	U	UJ	TF2001
TF81	000258	20010712	2-Hexanone	11.000	UG/KG	11.000	24.0	28.0	U		TF2001
TF81	000256	20010712	2-Hexanone	11.000	UG/KG	11.000	16.0	20.0	U		TF2001
TF79	000326	20010718	2-Hexanone	11.000	UG/KG	11.000	20.0	24.0	U		TF2001
TF79	000324	20010718	2-Hexanone	11.000	UG/KG	11.000	12.0	16.0	U		TF2001
TF79	000323	20010718	2-Hexanone	11.000	UG/KG	11.000	8.0	12.0	U		TF2001
TF79	000329	20010718	2-Hexanone	11.000	UG/KG	11.000	32.0	36.0	U		TF2001
TF78	000214	20010710	2-Hexanone	11.000	UG/KG	11.000	4.0	8.0	U		TF2001
TF78	000217	20010710	2-Hexanone	11.000	UG/KG	11.000	16.0	20.0	U	UJ	TF2001
TF78	000218	20010710	2-Hexanone	11.000	UG/KG	11.000	20.0	24.0	U		TF2001
TF78	000219	20010710	2-Hexanone	11.000	UG/KG	11.000	24.0	28.0	U		TF2001
TF78	000216	20010710	2-Hexanone	11.000	UG/KG	11.000	12.0	16.0	U		TF2001
TF78	000220	20010710	2-Hexanone	11.000	UG/KG	11.000	28.0	32.0	U		TF2001
TF78	000212	20010710	2-Hexanone	11.000	UG/KG	11.000	0.0	4.0	U		TF2001
TF76	000126	20010720	2-Hexanone	11.000	UG/KG	11.000	8.0	12.0	U		TF2001
TF76	000124	20010718	2-Hexanone	11.000	UG/KG	11.000	4.0	8.0	U		TF2001
TF76	000123	20010718	2-Hexanone	11.000	UG/KG	11.000	0.0	4.0	U		TF2001
TF76	000125	20010718	2-Hexanone	11.000	UG/KG	11.000	8.0	12.0	U	UJ	TF2001
TF75	000331	20010718	2-Hexanone	11.000	UG/KG	11.000	0.0	4.0	U		TF2001
TF75	000333	20010718	2-Hexanone	11.000	UG/KG	11.000	8.0	12.0	U		TF2001
TF75	000335	20010718	2-Hexanone	11.000	UG/KG	11.000	16.0	20.0	U	UJ	TF2001
TF75	000332	20010718	2-Hexanone	11.000	UG/KG	11.000	4.0	8.0	U		TF2001
TF75	000338	20010718	2-Hexanone	11.000	UG/KG	11.000	28.0	32.0	U	UJ	TF2001
TF75	000337	20010720	2-Hexanone	11.000	UG/KG	11.000	24.0	28.0	U		TF2001
TF75	000330	20010718	2-Hexanone	11.000	UG/KG	11.000	0.0	4.0	U		TF2001
SGC058	A13058	19960221	2-Hexanone	11.000	UG/KG	11.000	0.0	0.0	U		SGCSP
SGC056	A13056	19960208	2-Hexanone	11.000	UG/KG	11.000	0.0	1.5	U		SGCSP
SGC061	A13061	19960208	2-Hexanone	11.000	UG/KG	11.000	0.0	3.0	U		SGCSP
TF81	000254	20010712	2-Hexanone	12.000	UG/KG	12.000	8.0	12.0	U		TF2001
TF81	000257	20010712	2-Hexanone	12.000	UG/KG	12.000	20.0	24.0	U		TF2001
TF75	000334	20010718	2-Hexanone	12.000	UG/KG	12.000	12.0	16.0	U		TF2001
TF75	000339	20010718	2-Hexanone	12.000	UG/KG	12.000	32.0	36.0	U		TF2001
TF75	000336	20010718	2-Hexanone	12.000	UG/KG	12.000	20.0	24.0	U		TF2001
TF85	000284	20010716	2-Hexanone	13.000	UG/KG	13.000	12.0	16.0	U		TF2001
SGC061	A13061	19960208	2-Hexanone	2800.000	UG/KG	2800.000	0.0	3.0	U		SGCSP
SGC056	A13056	19960208	2-Methylnaphthalene	350.000	UG/KG	350.000	0.0	1.5	U		SGCSP
SGC059	A13059	19960208	2-Methylnaphthalene	360.000	UG/KG	360.000	0.0	3.0	U		SGCSP
SGC058	A13058	19960221	2-Methylnaphthalene	360.000	UG/KG	360.000	0.0	0.0	U		SGCSP
SGC061	A13061	19960208	2-Methylnaphthalene	370.000	UG/KG	370.000	0.0	3.0	U		SGCSP

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Location_na	Sample_i	Collection_	Value_name	Measured_	Value_u	Detection_	Start_d	End_	Lab Dat	Project_code
SGC056	A13056	19960208	2-Methylphenol	350.000	UG/KG	350.000	0.0	1.5	U	SGCSP
SGC059	A13059	19960208	2-Methylphenol	360.000	UG/KG	360.000	0.0	3.0	U	SGCSP
SGC058	A13058	19960221	2-Methylphenol	360.000	UG/KG	360.000	0.0	0.0	U	SGCSP
SGC061	A13061	19960208	2-Methylphenol	370.000	UG/KG	370.000	0.0	3.0	U	SGCSP
SGC056	A13056	19960208	2-Nitroaniline	880.000	UG/KG	880.000	0.0	1.5	U	SGCSP
SGC058	A13058	19960221	2-Nitroaniline	890.000	UG/KG	890.000	0.0	0.0	U	SGCSP
SGC059	A13059	19960208	2-Nitroaniline	900.000	UG/KG	900.000	0.0	3.0	U	SGCSP
SGC061	A13061	19960208	2-Nitroaniline	920.000	UG/KG	920.000	0.0	3.0	U	SGCSP
SGC056	A13056	19960208	2-Nitrophenol	350.000	UG/KG	350.000	0.0	1.5	U	SGCSP
SGC059	A13059	19960208	2-Nitrophenol	360.000	UG/KG	360.000	0.0	3.0	U	SGCSP
SGC058	A13058	19960221	2-Nitrophenol	360.000	UG/KG	360.000	0.0	0.0	U	SGCSP
SGC061	A13061	19960208	2-Nitrophenol	370.000	UG/KG	370.000	0.0	3.0	U	SGCSP
SGC056	A13056	19960208	3,3'-Dichlorobenzidine	350.000	UG/KG	350.000	0.0	1.5	U	SGCSP
SGC059	A13059	19960208	3,3'-Dichlorobenzidine	360.000	UG/KG	360.000	0.0	3.0	U	SGCSP
SGC058	A13058	19960221	3,3'-Dichlorobenzidine	360.000	UG/KG	360.000	0.0	0.0	U	SGCSP
SGC061	A13061	19960208	3,3'-Dichlorobenzidine	370.000	UG/KG	370.000	0.0	3.0	U	SGCSP
SGC056	A13056	19960208	3-Nitroaniline	880.000	UG/KG	880.000	0.0	1.5	U	SGCSP
SGC058	A13058	19960221	3-Nitroaniline	890.000	UG/KG	890.000	0.0	0.0	U	SGCSP
SGC059	A13059	19960208	3-Nitroaniline	900.000	UG/KG	900.000	0.0	3.0	U	SGCSP
SGC061	A13061	19960208	3-Nitroaniline	920.000	UG/KG	920.000	0.0	3.0	U	SGCSP
SGC056	A13056	19960208	4,4'-DDD	3.500	UG/KG	3.500	0.0	1.5	U	SGCSP
SGC059	A13059	19960208	4,4'-DDD	3.600	UG/KG	3.600	0.0	3.0	U	SGCSP
SGC058	A13058	19960221	4,4'-DDD	3.600	UG/KG	3.600	0.0	0.0	U	SGCSP
SGC061	A13061	19960208	4,4'-DDD	3.700	UG/KG	3.700	0.0	3.0	U	SGCSP
SGC056	A13056	19960208	4,4'-DDE	3.500	UG/KG	3.500	0.0	1.5	U	SGCSP
SGC059	A13059	19960208	4,4'-DDE	3.600	UG/KG	3.600	0.0	3.0	U	SGCSP
SGC058	A13058	19960221	4,4'-DDE	3.600	UG/KG	3.600	0.0	0.0	U	SGCSP
SGC061	A13061	19960208	4,4'-DDE	3.700	UG/KG	3.700	0.0	3.0	U	SGCSP
SGC056	A13056	19960208	4,4'-DDT	3.500	UG/KG	3.500	0.0	1.5	U	SGCSP
SGC059	A13059	19960208	4,4'-DDT	3.600	UG/KG	3.600	0.0	3.0	U	SGCSP
SGC058	A13058	19960221	4,4'-DDT	3.600	UG/KG	3.600	0.0	0.0	U	SGCSP
SGC061	A13061	19960208	4,4'-DDT	3.700	UG/KG	3.700	0.0	3.0	U	SGCSP
SGC056	A13056	19960208	4,6-Dinitro-o-Cresol	880.000	UG/KG	880.000	0.0	1.5	U	SGCSP
SGC058	A13058	19960221	4,6-Dinitro-o-Cresol	890.000	UG/KG	890.000	0.0	0.0	U	SGCSP
SGC059	A13059	19960208	4,6-Dinitro-o-Cresol	900.000	UG/KG	900.000	0.0	3.0	U	SGCSP
SGC061	A13061	19960208	4,6-Dinitro-o-Cresol	920.000	UG/KG	920.000	0.0	3.0	U	SGCSP
SGC058	A13058	19960221	4-Amino-2,6-Dinitrotoluene	448.000	UG/KG	448.000	0.0	0.0	U	SGCSP
SGC059	A13059	19960208	4-Amino-2,6-Dinitrotoluene	450.000	UG/KG	450.000	0.0	3.0	U	SGCSP
SGC056	A13056	19960208	4-Amino-2,6-Dinitrotoluene	452.000	UG/KG	452.000	0.0	1.5	U	SGCSP
SGC061	A13061	19960208	4-Amino-2,6-Dinitrotoluene	461.000	UG/KG	461.000	0.0	3.0	U	SGCSP

Location_na	Sample_i	Collection_	Value_name	Measured_	Value_u	Detection_	Start_d	End_	Lab	Dat	Project_code
SGC056	A13056	19960208	4-Bromophenyl-phenyl Ether	350.000	UG/KG	350.000	0.0	1.5	U		SGCSP
SGC059	A13059	19960208	4-Bromophenyl-phenyl Ether	360.000	UG/KG	360.000	0.0	3.0	U		SGCSP
SGC058	A13058	19960221	4-Bromophenyl-phenyl Ether	360.000	UG/KG	360.000	0.0	0.0	U		SGCSP
SGC061	A13061	19960208	4-Bromophenyl-phenyl Ether	370.000	UG/KG	370.000	0.0	3.0	U		SGCSP
SGC056	A13056	19960208	4-Chloro-3-methylphenol	350.000	UG/KG	350.000	0.0	1.5	U		SGCSP
SGC059	A13059	19960208	4-Chloro-3-methylphenol	360.000	UG/KG	360.000	0.0	3.0	U		SGCSP
SGC058	A13058	19960221	4-Chloro-3-methylphenol	360.000	UG/KG	360.000	0.0	0.0	U		SGCSP
SGC061	A13061	19960208	4-Chloro-3-methylphenol	370.000	UG/KG	370.000	0.0	3.0	U		SGCSP
SGC056	A13056	19960208	4-Chloroaniline	350.000	UG/KG	350.000	0.0	1.5	U		SGCSP
SGC059	A13059	19960208	4-Chloroaniline	360.000	UG/KG	360.000	0.0	3.0	U		SGCSP
SGC058	A13058	19960221	4-Chloroaniline	360.000	UG/KG	360.000	0.0	0.0	U		SGCSP
SGC061	A13061	19960208	4-Chloroaniline	370.000	UG/KG	370.000	0.0	3.0	U		SGCSP
TF85	000287	20010716	4-Methyl-2-pentanone	9.000	UG/KG	9.000	20.0	24.0	U		TF2001
TF85	000286	20010716	4-Methyl-2-pentanone	10.000	UG/KG	10.000	16.0	20.0	U		TF2001
TF85	000289	20010716	4-Methyl-2-pentanone	10.000	UG/KG	10.000	28.0	30.0	U		TF2001
TF85	000285	20010716	4-Methyl-2-pentanone	10.000	UG/KG	10.000	16.0	20.0	U		TF2001
TF85	000283	20010716	4-Methyl-2-pentanone	10.000	UG/KG	10.000	8.0	12.0	U	UJ	TF2001
TF85	000282	20010716	4-Methyl-2-pentanone	10.000	UG/KG	10.000	4.0	8.0	U		TF2001
TF79	000321	20010718	4-Methyl-2-pentanone	10.000	UG/KG	10.000	0.0	4.0	U		TF2001
TF79	000327	20010718	4-Methyl-2-pentanone	10.000	UG/KG	10.000	24.0	28.0	U		TF2001
TF79	000320	20010718	4-Methyl-2-pentanone	10.000	UG/KG	10.000	0.0	4.0	U		TF2001
TF79	000322	20010718	4-Methyl-2-pentanone	10.000	UG/KG	10.000	4.0	8.0	U		TF2001
TF79	000328	20010718	4-Methyl-2-pentanone	10.000	UG/KG	10.000	28.0	32.0	U		TF2001
TF79	000325	20010718	4-Methyl-2-pentanone	10.000	UG/KG	10.000	16.0	20.0	U		TF2001
TF78	000221	20010710	4-Methyl-2-pentanone	10.000	UG/KG	10.000	32.0	36.0	U		TF2001
TF78	000215	20010710	4-Methyl-2-pentanone	10.000	UG/KG	10.000	8.0	12.0	U		TF2001
TF78	000213	20010710	4-Methyl-2-pentanone	10.000	UG/KG	10.000	4.0	8.0	U		TF2001
TF76	000127	20010718	4-Methyl-2-pentanone	10.000	UG/KG	10.000	12.0	16.0	U	UJ	TF2001
SGC059	A13059	19960208	4-Methyl-2-pentanone	10.000	UG/KG	10.000	0.0	3.0	U		SGCSP
TF85	000288	20010716	4-Methyl-2-pentanone	11.000	UG/KG	11.000	24.0	28.0	U		TF2001
TF85	000281	20010716	4-Methyl-2-pentanone	11.000	UG/KG	11.000	0.0	4.0	U		TF2001
TF82	000244	20010712	4-Methyl-2-pentanone	11.000	UG/KG	11.000	0.0	4.0	U		TF2001
TF82	000246	20010712	4-Methyl-2-pentanone	11.000	UG/KG	11.000	8.0	12.0	U		TF2001
TF82	000247	20010712	4-Methyl-2-pentanone	11.000	UG/KG	11.000	16.0	20.0	U	UJ	TF2001
TF82	000243	20010712	4-Methyl-2-pentanone	11.000	UG/KG	11.000	0.0	4.0	U		TF2001
TF82	000248	20010712	4-Methyl-2-pentanone	11.000	UG/KG	11.000	16.0	20.0	U		TF2001
TF82	000245	20010712	4-Methyl-2-pentanone	11.000	UG/KG	11.000	4.0	8.0	U		TF2001
TF82	000249	20010712	4-Methyl-2-pentanone	11.000	UG/KG	11.000	20.0	24.0	U		TF2001
TF82	000250	20010712	4-Methyl-2-pentanone	11.000	UG/KG	11.000	24.0	28.0	U		TF2001
TF81	000228	20010711	4-Methyl-2-pentanone	11.000	UG/KG	11.000	12.0	16.0	U		TF2001

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Location_na	Sample_i	Collection_	Value_name	Measured_	Value_u	Detection_	Start_d	End_	Lab	Dat	Project_code
TF81	000252	20010712	4-Methyl-2-pentanone	11.000	UG/KG	11.000	4.0	8.0	U		TF2001
TF81	000251	20010712	4-Methyl-2-pentanone	11.000	UG/KG	11.000	0.0	4.0	U	UJ	TF2001
TF81	000259	20010712	4-Methyl-2-pentanone	11.000	UG/KG	11.000	28.0	32.0	U		TF2001
TF81	000253	20010712	4-Methyl-2-pentanone	11.000	UG/KG	11.000	8.0	12.0	U		TF2001
TF81	000255	20010712	4-Methyl-2-pentanone	11.000	UG/KG	11.000	12.0	16.0	U	UJ	TF2001
TF81	000258	20010712	4-Methyl-2-pentanone	11.000	UG/KG	11.000	24.0	28.0	U		TF2001
TF81	000256	20010712	4-Methyl-2-pentanone	11.000	UG/KG	11.000	16.0	20.0	U		TF2001
TF79	000326	20010718	4-Methyl-2-pentanone	11.000	UG/KG	11.000	20.0	24.0	U		TF2001
TF79	000324	20010718	4-Methyl-2-pentanone	11.000	UG/KG	11.000	12.0	16.0	U		TF2001
TF79	000323	20010718	4-Methyl-2-pentanone	11.000	UG/KG	11.000	8.0	12.0	U		TF2001
TF79	000329	20010718	4-Methyl-2-pentanone	11.000	UG/KG	11.000	32.0	36.0	U		TF2001
TF78	000214	20010710	4-Methyl-2-pentanone	11.000	UG/KG	11.000	4.0	8.0	U		TF2001
TF78	000217	20010710	4-Methyl-2-pentanone	11.000	UG/KG	11.000	16.0	20.0	U	UJ	TF2001
TF78	000218	20010710	4-Methyl-2-pentanone	11.000	UG/KG	11.000	20.0	24.0	U		TF2001
TF78	000219	20010710	4-Methyl-2-pentanone	11.000	UG/KG	11.000	24.0	28.0	U		TF2001
TF78	000216	20010710	4-Methyl-2-pentanone	11.000	UG/KG	11.000	12.0	16.0	U		TF2001
TF78	000220	20010710	4-Methyl-2-pentanone	11.000	UG/KG	11.000	28.0	32.0	U		TF2001
TF78	000212	20010710	4-Methyl-2-pentanone	11.000	UG/KG	11.000	0.0	4.0	U		TF2001
TF76	000126	20010720	4-Methyl-2-pentanone	11.000	UG/KG	11.000	8.0	12.0	U		TF2001
TF76	000124	20010718	4-Methyl-2-pentanone	11.000	UG/KG	11.000	4.0	8.0	U		TF2001
TF76	000123	20010718	4-Methyl-2-pentanone	11.000	UG/KG	11.000	0.0	4.0	U		TF2001
TF76	000125	20010718	4-Methyl-2-pentanone	11.000	UG/KG	11.000	8.0	12.0	U	UJ	TF2001
TF75	000331	20010718	4-Methyl-2-pentanone	11.000	UG/KG	11.000	0.0	4.0	U		TF2001
TF75	000333	20010718	4-Methyl-2-pentanone	11.000	UG/KG	11.000	8.0	12.0	U		TF2001
TF75	000335	20010718	4-Methyl-2-pentanone	11.000	UG/KG	11.000	16.0	20.0	U	UJ	TF2001
TF75	000332	20010718	4-Methyl-2-pentanone	11.000	UG/KG	11.000	4.0	8.0	U		TF2001
TF75	000338	20010718	4-Methyl-2-pentanone	11.000	UG/KG	11.000	28.0	32.0	U	UJ	TF2001
TF75	000337	20010720	4-Methyl-2-pentanone	11.000	UG/KG	11.000	24.0	28.0	U		TF2001
TF75	000330	20010718	4-Methyl-2-pentanone	11.000	UG/KG	11.000	0.0	4.0	U		TF2001
SGC058	A13058	19960221	4-Methyl-2-pentanone	11.000	UG/KG	11.000	0.0	0.0	U		SGCSP
SGC056	A13056	19960208	4-Methyl-2-pentanone	11.000	UG/KG	11.000	0.0	1.5	U		SGCSP
SGC061	A13061	19960208	4-Methyl-2-pentanone	11.000	UG/KG	11.000	0.0	3.0	U		SGCSP
TF81	000254	20010712	4-Methyl-2-pentanone	12.000	UG/KG	12.000	8.0	12.0	U		TF2001
TF81	000257	20010712	4-Methyl-2-pentanone	12.000	UG/KG	12.000	20.0	24.0	U		TF2001
TF75	000334	20010718	4-Methyl-2-pentanone	12.000	UG/KG	12.000	12.0	16.0	U		TF2001
TF75	000339	20010718	4-Methyl-2-pentanone	12.000	UG/KG	12.000	32.0	36.0	U		TF2001
TF75	000336	20010718	4-Methyl-2-pentanone	12.000	UG/KG	12.000	20.0	24.0	U		TF2001
TF85	000284	20010716	4-Methyl-2-pentanone	13.000	UG/KG	13.000	12.0	16.0	U		TF2001
SGC061	A13061	19960208	4-Methyl-2-pentanone	2800.000	UG/KG	2800.000	0.0	3.0	U		SGCSP
SGC056	A13056	19960208	4-Methylphenol	350.000	UG/KG	350.000	0.0	1.5	U		SGCSP

Location_na	Sample_i	Collection_	Value_name	Measured_	Value_u	Detection_	Start_d	End_	Lab Dat	Project_code
SGC059	A13059	19960208	4-Methylphenol	360.000	UG/KG	360.000	0.0	3.0	U	SGCSP
SGC058	A13058	19960221	4-Methylphenol	360.000	UG/KG	360.000	0.0	0.0	U	SGCSP
SGC061	A13061	19960208	4-Methylphenol	370.000	UG/KG	370.000	0.0	3.0	U	SGCSP
SGC056	A13056	19960208	4-Nitroaniline	880.000	UG/KG	880.000	0.0	1.5	U	SGCSP
SGC058	A13058	19960221	4-Nitroaniline	890.000	UG/KG	890.000	0.0	0.0	U	SGCSP
SGC059	A13059	19960208	4-Nitroaniline	900.000	UG/KG	900.000	0.0	3.0	U	SGCSP
SGC061	A13061	19960208	4-Nitroaniline	920.000	UG/KG	920.000	0.0	3.0	U	SGCSP
SGC056	A13056	19960208	4-Nitrophenol	880.000	UG/KG	880.000	0.0	1.5	U	SGCSP
SGC058	A13058	19960221	4-Nitrophenol	890.000	UG/KG	890.000	0.0	0.0	U	SGCSP
SGC059	A13059	19960208	4-Nitrophenol	900.000	UG/KG	900.000	0.0	3.0	U	SGCSP
SGC061	A13061	19960208	4-Nitrophenol	920.000	UG/KG	920.000	0.0	3.0	U	SGCSP
SGC056	A13056	19960208	Acenaphthene	350.000	UG/KG	350.000	0.0	1.5	U	SGCSP
SGC059	A13059	19960208	Acenaphthene	360.000	UG/KG	360.000	0.0	3.0	U	SGCSP
SGC058	A13058	19960221	Acenaphthene	360.000	UG/KG	360.000	0.0	0.0	U	SGCSP
SGC061	A13061	19960208	Acenaphthene	370.000	UG/KG	370.000	0.0	3.0	U	SGCSP
SGC056	A13056	19960208	Acenaphthylene	350.000	UG/KG	350.000	0.0	1.5	U	SGCSP
SGC059	A13059	19960208	Acenaphthylene	360.000	UG/KG	360.000	0.0	3.0	U	SGCSP
SGC058	A13058	19960221	Acenaphthylene	360.000	UG/KG	360.000	0.0	0.0	U	SGCSP
SGC061	A13061	19960208	Acenaphthylene	370.000	UG/KG	370.000	0.0	3.0	U	SGCSP
TF85	000282	20010716	Acetone	10.000	UG/KG	10.000	4.0	8.0	U	TF2001
TF79	000321	20010718	Acetone	10.000	UG/KG	10.000	0.0	4.0	U	TF2001
TF79	000320	20010718	Acetone	10.000	UG/KG	10.000	0.0	4.0	U	TF2001
TF79	000328	20010718	Acetone	10.000	UG/KG	10.000	28.0	32.0	U	TF2001
TF78	000221	20010710	Acetone	10.000	UG/KG	10.000	32.0	36.0	U	TF2001
TF78	000215	20010710	Acetone	10.000	UG/KG	10.000	8.0	12.0	U	TF2001
TF78	000213	20010710	Acetone	10.000	UG/KG	10.000	4.0	8.0	U	TF2001
SGC059	A13059	19960208	Acetone	10.000	UG/KG	10.000	0.0	3.0	U	SGCSP
TF85	000288	20010716	Acetone	11.000	UG/KG	11.000	24.0	28.0	U	TF2001
TF85	000281	20010716	Acetone	11.000	UG/KG	11.000	0.0	4.0	U	TF2001
TF82	000244	20010712	Acetone	11.000	UG/KG	11.000	0.0	4.0	U	TF2001
TF82	000246	20010712	Acetone	11.000	UG/KG	11.000	8.0	12.0	U	TF2001
TF82	000247	20010712	Acetone	11.000	UG/KG	11.000	16.0	20.0	U	TF2001
TF82	000243	20010712	Acetone	11.000	UG/KG	11.000	0.0	4.0	U	TF2001
TF82	000248	20010712	Acetone	11.000	UG/KG	11.000	16.0	20.0	U	TF2001
TF82	000245	20010712	Acetone	11.000	UG/KG	11.000	4.0	8.0	U	TF2001
TF82	000249	20010712	Acetone	11.000	UG/KG	11.000	20.0	24.0	U	TF2001
TF82	000250	20010712	Acetone	11.000	UG/KG	11.000	24.0	28.0	U	TF2001
TF81	000252	20010712	Acetone	11.000	UG/KG	11.000	4.0	8.0	U	TF2001
TF81	000251	20010712	Acetone	11.000	UG/KG	11.000	0.0	4.0	U	TF2001
TF81	000259	20010712	Acetone	11.000	UG/KG	11.000	28.0	32.0	U	TF2001

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Location_na	Sample_i	Collection_	Value_name	Measured_	Value_u	Detection_	Start_d	End_	Lab	Dat	Project_code
TF81	000253	20010712	Acetone	11.000	UG/KG	11.000	8.0	12.0	U		TF2001
TF81	000255	20010712	Acetone	11.000	UG/KG	11.000	12.0	16.0	U		TF2001
TF81	000258	20010712	Acetone	11.000	UG/KG	11.000	24.0	28.0	U		TF2001
TF81	000256	20010712	Acetone	11.000	UG/KG	11.000	16.0	20.0	U		TF2001
TF79	000326	20010718	Acetone	11.000	UG/KG	11.000	20.0	24.0	U		TF2001
TF79	000324	20010718	Acetone	11.000	UG/KG	11.000	12.0	16.0	U		TF2001
TF79	000323	20010718	Acetone	11.000	UG/KG	11.000	8.0	12.0	U		TF2001
TF79	000329	20010718	Acetone	11.000	UG/KG	11.000	32.0	36.0	U		TF2001
TF78	000214	20010710	Acetone	11.000	UG/KG	11.000	4.0	8.0	U		TF2001
TF78	000217	20010710	Acetone	11.000	UG/KG	11.000	16.0	20.0	U		TF2001
TF78	000218	20010710	Acetone	11.000	UG/KG	11.000	20.0	24.0	U		TF2001
TF78	000219	20010710	Acetone	11.000	UG/KG	11.000	24.0	28.0	U		TF2001
TF78	000216	20010710	Acetone	11.000	UG/KG	11.000	12.0	16.0	U	UJ	TF2001
TF78	000220	20010710	Acetone	11.000	UG/KG	11.000	28.0	32.0	U		TF2001
TF76	000123	20010718	Acetone	11.000	UG/KG	11.000	0.0	4.0	U		TF2001
TF75	000333	20010718	Acetone	11.000	UG/KG	11.000	8.0	12.0	U		TF2001
TF75	000332	20010718	Acetone	11.000	UG/KG	11.000	4.0	8.0	U		TF2001
TF75	000330	20010718	Acetone	11.000	UG/KG	11.000	0.0	4.0	U		TF2001
SGC058	A13058	19960221	Acetone	11.000	UG/KG	11.000	0.0	0.0	U		SGCSP
SGC056	A13056	19960208	Acetone	11.000	UG/KG	11.000	0.0	1.5	U		SGCSP
TF81	000254	20010712	Acetone	12.000	UG/KG	12.000	8.0	12.0	U		TF2001
TF81	000257	20010712	Acetone	12.000	UG/KG	12.000	20.0	24.0	U		TF2001
TF75	000334	20010718	Acetone	12.000	UG/KG	12.000	12.0	16.0	U		TF2001
TF85	000284	20010716	Acetone	13.000	UG/KG	13.000	12.0	16.0	U		TF2001
TF76	000127	20010718	Acetone	17.000	UG/KG		12.0	16.0	B	U	TF2001
TF75	000338	20010718	Acetone	24.000	UG/KG		28.0	32.0		UJ	TF2001
TF79	000322	20010718	Actinium-227	0.167	PCI/G	0.167	4.0	8.0	U		TF2001
TF79	000320	20010718	Actinium-227	0.172	PCI/G	0.172	0.0	4.0	U		TF2001
TF85	000288	20010716	Actinium-227	0.180	PCI/G	0.180	24.0	28.0	U		TF2001
TF82	000247	20010712	Actinium-227	0.194	PCI/G	0.194	16.0	20.0	U		TF2001
TF81	000251	20010712	Actinium-227	0.201	PCI/G	0.201	0.0	4.0	U		TF2001
TF76	000123	20010718	Actinium-227	0.203	PCI/G	0.203	0.0	4.0	U		TF2001
TF81	000257	20010712	Actinium-227	0.204	PCI/G	0.204	20.0	24.0	U		TF2001
TF79	000325	20010718	Actinium-227	0.205	PCI/G	0.205	16.0	20.0	U		TF2001
TF58	000051	20010709	Actinium-227	0.206	PCI/G	0.206	0.0	4.0	U		TF2001
TF82	000250	20010712	Actinium-227	0.207	PCI/G	0.207	24.0	28.0	U		TF2001
TF76	000126	20010720	Actinium-227	0.220	PCI/G	0.220	8.0	12.0	U		TF2001
TF75	000335	20010718	Actinium-227	0.226	PCI/G	0.226	16.0	20.0	U		TF2001
TF79	000321	20010718	Actinium-227	0.236	PCI/G	0.236	0.0	4.0	U		TF2001
TF75	000337	20010720	Actinium-227	0.238	PCI/G	0.238	24.0	28.0	U		TF2001

Location_na	Sample_i	Collection_	Value_name	Measured_	Value_u	Detection_	Start_d	End_	Lab Dat	Project_code
TF75	000331	20010718	Actinium-227	0.240	PCI/G	0.240	0.0	4.0	U	TF2001
TF85	000283	20010716	Actinium-227	0.248	PCI/G	0.248	8.0	12.0	U	TF2001
TF81	000254	20010712	Actinium-227	0.250	PCI/G	0.250	8.0	12.0	U	TF2001
TF78	000212	20010710	Actinium-227	0.251	PCI/G	0.251	0.0	4.0	U	TF2001
TF78	000220	20010710	Actinium-227	0.252	PCI/G	0.252	28.0	32.0	U	TF2001
TF85	000285	20010716	Actinium-227	0.254	PCI/G	0.254	16.0	20.0	U	TF2001
TF78	000215	20010710	Actinium-227	0.254	PCI/G	0.254	8.0	12.0	U	TF2001
TF85	000281	20010716	Actinium-227	0.256	PCI/G	0.256	0.0	4.0	U	TF2001
TF78	000219	20010710	Actinium-227	0.257	PCI/G	0.257	24.0	28.0	U	TF2001
TF75	000336	20010718	Actinium-227	0.257	PCI/G	0.257	20.0	24.0	U	TF2001
TF75	000333	20010718	Actinium-227	0.264	PCI/G	0.264	8.0	12.0	U	TF2001
TF79	000329	20010718	Actinium-227	0.273	PCI/G	0.273	32.0	36.0	U	TF2001
TF81	000255	20010712	Actinium-227	0.273	PCI/G	0.273	12.0	16.0	U	TF2001
TF82	000246	20010712	Actinium-227	0.274	PCI/G	0.274	8.0	12.0	U	TF2001
TF79	000326	20010718	Actinium-227	0.276	PCI/G	0.276	20.0	24.0	U	TF2001
TF85	000289	20010716	Actinium-227	0.278	PCI/G	0.278	28.0	30.0	U	TF2001
TF85	000286	20010716	Actinium-227	0.279	PCI/G	0.279	16.0	20.0	U	TF2001
TF78	000221	20010710	Actinium-227	0.281	PCI/G	0.281	32.0	36.0	U	TF2001
TF81	000258	20010712	Actinium-227	0.284	PCI/G	0.284	24.0	28.0	U	TF2001
TF82	000248	20010712	Actinium-227	0.287	PCI/G	0.287	16.0	20.0	U	TF2001
TF78	000213	20010710	Actinium-227	0.292	PCI/G	0.292	4.0	8.0	U	TF2001
TF79	000328	20010718	Actinium-227	0.293	PCI/G	0.293	28.0	32.0	U	TF2001
TF81	000256	20010712	Actinium-227	0.295	PCI/G	0.295	16.0	20.0	U	TF2001
TF79	000327	20010718	Actinium-227	0.296	PCI/G	0.296	24.0	28.0	U	TF2001
TF75	000338	20010718	Actinium-227	0.296	PCI/G	0.296	28.0	32.0	U	TF2001
TF79	000323	20010718	Actinium-227	0.297	PCI/G	0.297	8.0	12.0	U	TF2001
TF82	000245	20010712	Actinium-227	0.303	PCI/G	0.303	4.0	8.0	U	TF2001
TF75	000339	20010718	Actinium-227	0.303	PCI/G	0.303	32.0	36.0	U	TF2001
TF78	000216	20010710	Actinium-227	0.304	PCI/G	0.304	12.0	16.0	U	TF2001
TF81	000252	20010712	Actinium-227	0.304	PCI/G	0.304	4.0	8.0	U	TF2001
TF52	000024	20010706	Actinium-227	0.307	PCI/G	0.307	0.0	4.0	U	TF2001
TF61	000052	20010709	Actinium-227	0.318	PCI/G	0.318	0.0	4.0	U	TF2001
TF78	000217	20010710	Actinium-227	0.319	PCI/G	0.319	16.0	20.0	U	TF2001
TF50	000022	20010706	Actinium-227	0.334	PCI/G	0.334	0.0	4.0	U	TF2001
TF85	000284	20010716	Actinium-227	0.335	PCI/G	0.335	12.0	16.0	U	TF2001
TF85	000287	20010716	Actinium-227	0.338	PCI/G	0.338	20.0	24.0	U	TF2001
TF76	000124	20010718	Actinium-227	0.338	PCI/G	0.338	4.0	8.0	U	TF2001
TF82	000249	20010712	Actinium-227	0.339	PCI/G	0.339	20.0	24.0	U	TF2001
TF75	000330	20010718	Actinium-227	0.339	PCI/G	0.339	0.0	4.0	U	TF2001
TF55	000026	20010706	Actinium-227	0.341	PCI/G	0.341	0.0	4.0	U	TF2001

Location_na	Sample_i	Collection_	Value_name	Measured_	Value_u	Detection_	Start_d	End_	Lab Dat	Project_code
TF75	000332	20010718	Actinium-227	0.344	PCI/G	0.344	4.0	8.0	U	TF2001
TF81	000253	20010712	Actinium-227	0.351	PCI/G	0.351	8.0	12.0	U	TF2001
TF85	000282	20010716	Actinium-227	0.352	PCI/G	0.352	4.0	8.0	U	TF2001
TF81	000259	20010712	Actinium-227	0.360	PCI/G	0.360	28.0	32.0	U	TF2001
TF75	000334	20010718	Actinium-227	0.367	PCI/G	0.367	12.0	16.0	U	TF2001
TF78	000214	20010710	Actinium-227	0.369	PCI/G	0.369	4.0	8.0	U	TF2001
TF76	000127	20010718	Actinium-227	0.378	PCI/G	0.378	12.0	16.0	U	TF2001
TF79	000324	20010718	Actinium-227	0.379	PCI/G	0.379	12.0	16.0	U	TF2001
TF82	000243	20010712	Actinium-227	0.381	PCI/G	0.381	0.0	4.0	U	TF2001
TF76	000125	20010718	Actinium-227	0.384	PCI/G	0.384	8.0	12.0	U	TF2001
TF78	000212	20010710	Actinium-227	0.418	PCI/G	0.418	0.0	4.0	U	TF2001
TF56	000047	20010709	Actinium-227	0.420	PCI/G	0.420	0.0	4.0	U	TF2001
TF52	000023	20010706	Actinium-227	0.426	PCI/G	0.426	0.0	4.0	U	TF2001
TF62	000053	20010709	Actinium-227	0.456	PCI/G	0.456	0.0	4.0	U	TF2001
TF59	000054	20010709	Actinium-227	0.510	PCI/G	0.510	0.0	4.0	U	TF2001
TF82	000244	20010712	Actinium-227	0.580	PCI/G	0.580	0.0	4.0	U	TF2001
TF81	000228	20010711	Actinium-227	1.290	PCI/G	1.290	12.0	16.0	U	TF2001
SGC056	A13056	19960208	Aldrin	1.700	UG/KG	1.700	0.0	1.5	U	SGCSP
SGC059	A13059	19960208	Aldrin	1.800	UG/KG	1.800	0.0	3.0	U	SGCSP
SGC058	A13058	19960221	Aldrin	1.800	UG/KG	1.800	0.0	0.0	U	SGCSP
SGC061	A13061	19960208	Aldrin	1.800	UG/KG	1.800	0.0	3.0	U	SGCSP
SGC056	A13056	19960208	Alpha Chlordane	1.700	UG/KG	1.700	0.0	1.5	U	SGCSP
SGC059	A13059	19960208	Alpha Chlordane	1.800	UG/KG	1.800	0.0	3.0	U	SGCSP
SGC058	A13058	19960221	Alpha Chlordane	1.800	UG/KG	1.800	0.0	0.0	U	SGCSP
SGC061	A13061	19960208	Alpha Chlordane	1.800	UG/KG	1.800	0.0	3.0	U	SGCSP
SGC056	A13056	19960208	Alpha-BHC	1.700	UG/KG	1.700	0.0	1.5	U	SGCSP
SGC059	A13059	19960208	Alpha-BHC	1.800	UG/KG	1.800	0.0	3.0	U	SGCSP
SGC058	A13058	19960221	Alpha-BHC	1.800	UG/KG	1.800	0.0	0.0	U	SGCSP
SGC061	A13061	19960208	Alpha-BHC	1.800	UG/KG	1.800	0.0	3.0	U	SGCSP
TF79	000320	20010718	Americium-241	0.041	PCI/G	0.041	0.0	4.0	U	TF2001
TF82	000250	20010712	Americium-241	0.044	PCI/G	0.044	24.0	28.0	U	TF2001
TF79	000325	20010718	Americium-241	0.046	PCI/G	0.046	16.0	20.0	U	TF2001
TF81	000251	20010712	Americium-241	0.049	PCI/G	0.049	0.0	4.0	U	TF2001
TF82	000247	20010712	Americium-241	0.049	PCI/G	0.049	16.0	20.0	U	TF2001
TF78	000218	20010710	Americium-241	0.052	PCI/G	0.052	20.0	24.0	U	TF2001
TF85	000285	20010716	Americium-241	0.052	PCI/G	0.052	16.0	20.0	U	TF2001
TF81	000257	20010712	Americium-241	0.052	PCI/G	0.052	20.0	24.0	U	TF2001
TF78	000219	20010710	Americium-241	0.053	PCI/G	0.053	24.0	28.0	U	TF2001
TF75	000337	20010720	Americium-241	0.054	PCI/G	0.054	24.0	28.0	U	TF2001
TF76	000123	20010718	Americium-241	0.054	PCI/G	0.054	0.0	4.0	U	TF2001

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Location_na	Sample_i	Collection_	Value_name	Measured_	Value_u	Detection_	Start_d	End_	Lab Dat	Project_code
TF75	000335	20010718	Americium-241	0.055	PCI/G	0.055	16.0	20.0	U	TF2001
TF85	000288	20010716	Americium-241	0.055	PCI/G	0.055	24.0	28.0	U	TF2001
TF81	000254	20010712	Americium-241	0.056	PCI/G	0.056	8.0	12.0	U	TF2001
TF85	000283	20010716	Americium-241	0.058	PCI/G	0.058	8.0	12.0	U	TF2001
TF76	000126	20010720	Americium-241	0.059	PCI/G	0.059	8.0	12.0	U	TF2001
TF58	000051	20010709	Americium-241	0.060	PCI/G	0.060	0.0	4.0	U	TF2001
TF78	000212	20010710	Americium-241	0.064	PCI/G	0.064	0.0	4.0	U	TF2001
TF75	000331	20010718	Americium-241	0.069	PCI/G	0.069	0.0	4.0	U	TF2001
TF79	000321	20010718	Americium-241	0.070	PCI/G	0.070	0.0	4.0	U	TF2001
TF79	000323	20010718	Americium-241	0.071	PCI/G	0.071	8.0	12.0	U	TF2001
TF81	000255	20010712	Americium-241	0.073	PCI/G	0.073	12.0	16.0	U	TF2001
TF52	000024	20010706	Americium-241	0.074	PCI/G	0.074	0.0	4.0	U	TF2001
TF79	000326	20010718	Americium-241	0.076	PCI/G	0.076	20.0	24.0	U	TF2001
TF79	000329	20010718	Americium-241	0.076	PCI/G	0.076	32.0	36.0	U	TF2001
TF82	000248	20010712	Americium-241	0.077	PCI/G	0.077	16.0	20.0	U	TF2001
TF75	000338	20010718	Americium-241	0.077	PCI/G	0.077	28.0	32.0	U	TF2001
TF85	000286	20010716	Americium-241	0.079	PCI/G	0.079	16.0	20.0	U	TF2001
TF82	000249	20010712	Americium-241	0.080	PCI/G	0.080	20.0	24.0	U	TF2001
TF78	000213	20010710	Americium-241	0.080	PCI/G	0.080	4.0	8.0	U	TF2001
TF81	000252	20010712	Americium-241	0.080	PCI/G	0.080	4.0	8.0	U	TF2001
TF82	000245	20010712	Americium-241	0.082	PCI/G	0.082	4.0	8.0	U	TF2001
TF75	000332	20010718	Americium-241	0.082	PCI/G	0.082	4.0	8.0	U	TF2001
TF85	000289	20010716	Americium-241	0.082	PCI/G	0.082	28.0	30.0	U	TF2001
TF78	000220	20010710	Americium-241	0.085	PCI/G	0.085	28.0	32.0	U	TF2001
TF75	000336	20010718	Americium-241	0.086	PCI/G	0.086	20.0	24.0	U	TF2001
TF75	000333	20010718	Americium-241	0.086	PCI/G	0.086	8.0	12.0	U	TF2001
TF76	000127	20010718	Americium-241	0.087	PCI/G	0.087	12.0	16.0	U	TF2001
TF75	000339	20010718	Americium-241	0.087	PCI/G	0.087	32.0	36.0	U	TF2001
TF82	000246	20010712	Americium-241	0.088	PCI/G	0.088	8.0	12.0	U	TF2001
TF81	000258	20010712	Americium-241	0.089	PCI/G	0.089	24.0	28.0	U	TF2001
TF76	000124	20010718	Americium-241	0.090	PCI/G	0.090	4.0	8.0	U	TF2001
TF79	000327	20010718	Americium-241	0.091	PCI/G	0.091	24.0	28.0	U	TF2001
TF85	000284	20010716	Americium-241	0.096	PCI/G	0.096	12.0	16.0	U	TF2001
TF85	000287	20010716	Americium-241	0.096	PCI/G	0.096	20.0	24.0	U	TF2001
TF85	000281	20010716	Americium-241	0.096	PCI/G	0.096	0.0	4.0	U	TF2001
TF62	000053	20010709	Americium-241	0.097	PCI/G	0.097	0.0	4.0	U	TF2001
TF56	000047	20010709	Americium-241	0.098	PCI/G	0.098	0.0	4.0	U	TF2001
TF78	000216	20010710	Americium-241	0.099	PCI/G	0.099	12.0	16.0	U	TF2001
TF50	000022	20010706	Americium-241	0.100	PCI/G	0.100	0.0	4.0	U	TF2001
TF82	000243	20010712	Americium-241	0.102	PCI/G	0.102	0.0	4.0	U	TF2001

Location_na	Sample_i	Collection_	Value_name	Measured_	Value_u	Detection_	Start_d	End_	Lab Dat	Project_code
TF81	000259	20010712	Americium-241	0.105	PCI/G	0.105	28.0	32.0	U	TF2001
TF81	000256	20010712	Americium-241	0.106	PCI/G	0.106	16.0	20.0	U	TF2001
TF78	000217	20010710	Americium-241	0.106	PCI/G	0.106	16.0	20.0	U	TF2001
TF78	000215	20010710	Americium-241	0.106	PCI/G	0.106	8.0	12.0	U	TF2001
TF55	000026	20010706	Americium-241	0.106	PCI/G	0.106	0.0	4.0	U	TF2001
TF78	000221	20010710	Americium-241	0.107	PCI/G	0.107	32.0	36.0	U	TF2001
TF79	000324	20010718	Americium-241	0.108	PCI/G	0.108	12.0	16.0	U	TF2001
TF59	000054	20010709	Americium-241	0.114	PCI/G	0.114	0.0	4.0	U	TF2001
TF79	000328	20010718	Americium-241	0.114	PCI/G	0.114	28.0	32.0	U	TF2001
TF81	000253	20010712	Americium-241	0.115	PCI/G	0.115	8.0	12.0	U	TF2001
TF61	000052	20010709	Americium-241	0.115	PCI/G	0.115	0.0	4.0	U	TF2001
TF78	000212	20010710	Americium-241	0.116	PCI/G	0.116	0.0	4.0	U	TF2001
TF85	000282	20010716	Americium-241	0.117	PCI/G	0.117	4.0	8.0	U	TF2001
TF75	000334	20010718	Americium-241	0.121	PCI/G	0.121	12.0	16.0	U	TF2001
TF75	000330	20010718	Americium-241	0.121	PCI/G	0.121	0.0	4.0	U	TF2001
TF76	000125	20010718	Americium-241	0.124	PCI/G	0.124	8.0	12.0	U	TF2001
TF52	000023	20010706	Americium-241	0.128	PCI/G	0.128	0.0	4.0	U	TF2001
TF81	000228	20010711	Americium-241	0.128	PCI/G	0.128	12.0	16.0	U	TF2001
TF78	000214	20010710	Americium-241	0.130	PCI/G	0.130	4.0	8.0	U	TF2001
SGC058	A13058	19960221	Americium-241	0.132	PCI/G	0.132	0.0	0.0	U	SGCSP
SGC059	A13059	19960208	Americium-241	0.178	PCI/G	0.178	0.0	3.0	U	SGCSP
SGC061	A13061	19960208	Americium-241	0.530	PCI/G	0.530	0.0	3.0	U	SGCSP
TF75	000330	20010718	Americium-241	0.702	PCI/G	0.702	0.0	4.0	U	TF2001
SGC056	A13056	19960208	Americium-241	1.010	PCI/G	1.010	0.0	1.5	U	SGCSP
SGC056	A13056	19960208	Anthracene	350.000	UG/KG	350.000	0.0	1.5	U	SGCSP
SGC059	A13059	19960208	Anthracene	360.000	UG/KG	360.000	0.0	3.0	U	SGCSP
SGC058	A13058	19960221	Anthracene	360.000	UG/KG	360.000	0.0	0.0	U	SGCSP
SGC061	A13061	19960208	Anthracene	370.000	UG/KG	370.000	0.0	3.0	U	SGCSP
SGC058	A13058	19960221	Antimony	0.190	MG/KG		0.0	0.0	U	SGCSP
SGC059	A13059	19960208	Antimony	0.410	MG/KG		0.0	3.0	U	SGCSP
SGC061	A13061	19960208	Antimony	0.420	MG/KG		0.0	3.0	U	SGCSP
SGC056	A13056	19960208	Aroclor-1016	35.000	UG/KG	35.000	0.0	1.5	U	SGCSP
SGC059	A13059	19960208	Aroclor-1016	36.000	UG/KG	36.000	0.0	3.0	U	SGCSP
SGC058	A13058	19960221	Aroclor-1016	36.000	UG/KG	36.000	0.0	0.0	U	SGCSP
SGC061	A13061	19960208	Aroclor-1016	37.000	UG/KG	37.000	0.0	3.0	U	SGCSP
SGC056	A13056	19960208	Aroclor-1221	70.000	UG/KG	70.000	0.0	1.5	U	SGCSP
SGC058	A13058	19960221	Aroclor-1221	71.000	UG/KG	71.000	0.0	0.0	U	SGCSP
SGC059	A13059	19960208	Aroclor-1221	72.000	UG/KG	72.000	0.0	3.0	U	SGCSP
SGC061	A13061	19960208	Aroclor-1221	74.000	UG/KG	74.000	0.0	3.0	U	SGCSP
SGC056	A13056	19960208	Aroclor-1232	35.000	UG/KG	35.000	0.0	1.5	U	SGCSP

Location_na	Sample_i	Collection_	Value_name	Measured_	Value_u	Detection_	Start_d	End_	Lab Dat	Project_code
SGC059	A13059	19960208	Aroclor-1232	36.000	UG/KG	36.000	0.0	3.0	U	SGCSP
SGC058	A13058	19960221	Aroclor-1232	36.000	UG/KG	36.000	0.0	0.0	U	SGCSP
SGC061	A13061	19960208	Aroclor-1232	37.000	UG/KG	37.000	0.0	3.0	U	SGCSP
SGC056	A13056	19960208	Aroclor-1242	35.000	UG/KG	35.000	0.0	1.5	U	SGCSP
SGC059	A13059	19960208	Aroclor-1242	36.000	UG/KG	36.000	0.0	3.0	U	SGCSP
SGC058	A13058	19960221	Aroclor-1242	36.000	UG/KG	36.000	0.0	0.0	U	SGCSP
SGC061	A13061	19960208	Aroclor-1242	37.000	UG/KG	37.000	0.0	3.0	U	SGCSP
SGC056	A13056	19960208	Aroclor-1248	35.000	UG/KG	35.000	0.0	1.5	U	SGCSP
SGC059	A13059	19960208	Aroclor-1248	36.000	UG/KG	36.000	0.0	3.0	U	SGCSP
SGC058	A13058	19960221	Aroclor-1248	36.000	UG/KG	36.000	0.0	0.0	U	SGCSP
SGC061	A13061	19960208	Aroclor-1248	37.000	UG/KG	37.000	0.0	3.0	U	SGCSP
SGC056	A13056	19960208	Aroclor-1254	35.000	UG/KG	35.000	0.0	1.5	U	SGCSP
SGC059	A13059	19960208	Aroclor-1254	36.000	UG/KG	36.000	0.0	3.0	U	SGCSP
SGC058	A13058	19960221	Aroclor-1254	36.000	UG/KG	36.000	0.0	0.0	U	SGCSP
SGC061	A13061	19960208	Aroclor-1254	37.000	UG/KG	37.000	0.0	3.0	U	SGCSP
SGC056	A13056	19960208	Aroclor-1260	35.000	UG/KG	35.000	0.0	1.5	U	SGCSP
SGC059	A13059	19960208	Aroclor-1260	36.000	UG/KG	36.000	0.0	3.0	U	SGCSP
SGC058	A13058	19960221	Aroclor-1260	36.000	UG/KG	36.000	0.0	0.0	U	SGCSP
SGC061	A13061	19960208	Aroclor-1260	37.000	UG/KG	37.000	0.0	3.0	U	SGCSP
TF85	000286	20010716	Benzene	5.000	UG/KG	5.000	16.0	20.0	U	TF2001
TF85	000287	20010716	Benzene	5.000	UG/KG	5.000	20.0	24.0	U	TF2001
TF85	000289	20010716	Benzene	5.000	UG/KG	5.000	28.0	30.0	U	TF2001
TF85	000285	20010716	Benzene	5.000	UG/KG	5.000	16.0	20.0	U	TF2001
TF85	000283	20010716	Benzene	5.000	UG/KG	5.000	8.0	12.0	U UJ	TF2001
TF85	000282	20010716	Benzene	5.000	UG/KG	5.000	4.0	8.0	U	TF2001
TF79	000321	20010718	Benzene	5.000	UG/KG	5.000	0.0	4.0	U	TF2001
TF79	000327	20010718	Benzene	5.000	UG/KG	5.000	24.0	28.0	U	TF2001
TF79	000320	20010718	Benzene	5.000	UG/KG	5.000	0.0	4.0	U	TF2001
TF79	000322	20010718	Benzene	5.000	UG/KG	5.000	4.0	8.0	U	TF2001
TF79	000328	20010718	Benzene	5.000	UG/KG	5.000	28.0	32.0	U	TF2001
TF79	000325	20010718	Benzene	5.000	UG/KG	5.000	16.0	20.0	U	TF2001
TF78	000221	20010710	Benzene	5.000	UG/KG	5.000	32.0	36.0	U	TF2001
TF78	000215	20010710	Benzene	5.000	UG/KG	5.000	8.0	12.0	U	TF2001
TF78	000213	20010710	Benzene	5.000	UG/KG	5.000	4.0	8.0	U	TF2001
TF76	000127	20010718	Benzene	5.000	UG/KG	5.000	12.0	16.0	U	TF2001
SGC059	A13059	19960208	Benzene	5.000	UG/KG	5.000	0.0	3.0	U	SGCSP
TF85	000288	20010716	Benzene	6.000	UG/KG	6.000	24.0	28.0	U	TF2001
TF85	000284	20010716	Benzene	6.000	UG/KG	6.000	12.0	16.0	U	TF2001
TF85	000281	20010716	Benzene	6.000	UG/KG	6.000	0.0	4.0	U	TF2001
TF82	000244	20010712	Benzene	6.000	UG/KG	6.000	0.0	4.0	U	TF2001

Location_na	Sample_i	Collection_	Value_name	Measured_	Value_u	Detection_	Start_d	End_	Lab	Dat	Project_code
TF82	000246	20010712	Benzene	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF82	000247	20010712	Benzene	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF82	000243	20010712	Benzene	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF82	000248	20010712	Benzene	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF82	000245	20010712	Benzene	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF82	000249	20010712	Benzene	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF82	000250	20010712	Benzene	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF81	000228	20010711	Benzene	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF81	000254	20010712	Benzene	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF81	000252	20010712	Benzene	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF81	000251	20010712	Benzene	6.000	UG/KG	6.000	0.0	4.0	U	UJ	TF2001
TF81	000259	20010712	Benzene	6.000	UG/KG	6.000	28.0	32.0	U		TF2001
TF81	000253	20010712	Benzene	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF81	000255	20010712	Benzene	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF81	000257	20010712	Benzene	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF81	000258	20010712	Benzene	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF81	000256	20010712	Benzene	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF79	000326	20010718	Benzene	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF79	000324	20010718	Benzene	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF79	000323	20010718	Benzene	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF79	000329	20010718	Benzene	6.000	UG/KG	6.000	32.0	36.0	U		TF2001
TF78	000214	20010710	Benzene	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF78	000217	20010710	Benzene	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF78	000218	20010710	Benzene	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF78	000219	20010710	Benzene	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF78	000216	20010710	Benzene	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF78	000220	20010710	Benzene	6.000	UG/KG	6.000	28.0	32.0	U		TF2001
TF78	000212	20010710	Benzene	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF76	000126	20010720	Benzene	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF76	000124	20010718	Benzene	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF76	000123	20010718	Benzene	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF76	000125	20010718	Benzene	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF75	000331	20010718	Benzene	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF75	000333	20010718	Benzene	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF75	000334	20010718	Benzene	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF75	000335	20010718	Benzene	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF75	000332	20010718	Benzene	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF75	000339	20010718	Benzene	6.000	UG/KG	6.000	32.0	36.0	U		TF2001
TF75	000338	20010718	Benzene	6.000	UG/KG	6.000	28.0	32.0	U	UJ	TF2001
TF75	000336	20010718	Benzene	6.000	UG/KG	6.000	20.0	24.0	U		TF2001

Location_na	Sample_i	Collection_	Value_name	Measured_	Value_u	Detection_	Start_d	End_	Lab Dat	Project_code
TF75	000337	20010720	Benzene	6.000	UG/KG	6.000	24.0	28.0	U	TF2001
TF75	000330	20010718	Benzene	6.000	UG/KG	6.000	0.0	4.0	U	TF2001
SGC058	A13058	19960221	Benzene	6.000	UG/KG	6.000	0.0	0.0	U	SGCSP
SGC056	A13056	19960208	Benzene	6.000	UG/KG	6.000	0.0	1.5	U	SGCSP
SGC061	A13061	19960208	Benzene	6.000	UG/KG	6.000	0.0	3.0	U	SGCSP
SGC061	A13061	19960208	Benzene	1400.000	UG/KG	1400.000	0.0	3.0	U	SGCSP
SGC056	A13056	19960208	Benzo(a)anthracene	350.000	UG/KG	350.000	0.0	1.5	U	SGCSP
SGC059	A13059	19960208	Benzo(a)anthracene	360.000	UG/KG	360.000	0.0	3.0	U	SGCSP
SGC061	A13061	19960208	Benzo(a)anthracene	370.000	UG/KG	370.000	0.0	3.0	U	SGCSP
SGC056	A13056	19960208	Benzo(a)pyrene	350.000	UG/KG	350.000	0.0	1.5	U	SGCSP
SGC059	A13059	19960208	Benzo(a)pyrene	360.000	UG/KG	360.000	0.0	3.0	U	SGCSP
SGC061	A13061	19960208	Benzo(a)pyrene	370.000	UG/KG	370.000	0.0	3.0	U	SGCSP
SGC056	A13056	19960208	Benzo(b)fluoranthene	350.000	UG/KG	350.000	0.0	1.5	U	SGCSP
SGC059	A13059	19960208	Benzo(b)fluoranthene	360.000	UG/KG	360.000	0.0	3.0	U	SGCSP
SGC061	A13061	19960208	Benzo(b)fluoranthene	370.000	UG/KG	370.000	0.0	3.0	U	SGCSP
SGC056	A13056	19960208	Benzo(g,h,i)perylene	350.000	UG/KG	350.000	0.0	1.5	U	SGCSP
SGC059	A13059	19960208	Benzo(g,h,i)perylene	360.000	UG/KG	360.000	0.0	3.0	U	SGCSP
SGC061	A13061	19960208	Benzo(g,h,i)perylene	370.000	UG/KG	370.000	0.0	3.0	U	SGCSP
SGC056	A13056	19960208	Benzo(k)fluoranthene	350.000	UG/KG	350.000	0.0	1.5	U	SGCSP
SGC059	A13059	19960208	Benzo(k)fluoranthene	360.000	UG/KG	360.000	0.0	3.0	U	SGCSP
SGC061	A13061	19960208	Benzo(k)fluoranthene	370.000	UG/KG	370.000	0.0	3.0	U	SGCSP
SGC059	A13059	19960208	Beryllium	0.040	MG/KG		0.0	3.0	U	SGCSP
SGC058	A13058	19960221	Beryllium	0.040	MG/KG		0.0	0.0	U	SGCSP
SGC056	A13056	19960208	Beryllium	0.040	MG/KG		0.0	1.5	U	SGCSP
SGC056	A13056	19960208	Beta-BHC	1.700	UG/KG	1.700	0.0	1.5	U	SGCSP
SGC059	A13059	19960208	Beta-BHC	1.800	UG/KG	1.800	0.0	3.0	U	SGCSP
SGC058	A13058	19960221	Beta-BHC	1.800	UG/KG	1.800	0.0	0.0	U	SGCSP
SGC061	A13061	19960208	Beta-BHC	1.800	UG/KG	1.800	0.0	3.0	U	SGCSP
SGC056	A13056	19960208	Bis(2-chloroethoxy)methane	350.000	UG/KG	350.000	0.0	1.5	U	SGCSP
SGC059	A13059	19960208	Bis(2-chloroethoxy)methane	360.000	UG/KG	360.000	0.0	3.0	U	SGCSP
SGC058	A13058	19960221	Bis(2-chloroethoxy)methane	360.000	UG/KG	360.000	0.0	0.0	U	SGCSP
SGC061	A13061	19960208	Bis(2-chloroethoxy)methane	370.000	UG/KG	370.000	0.0	3.0	U	SGCSP
SGC056	A13056	19960208	Bis(2-chloroethyl)ether	350.000	UG/KG	350.000	0.0	1.5	U	SGCSP
SGC059	A13059	19960208	Bis(2-chloroethyl)ether	360.000	UG/KG	360.000	0.0	3.0	U	SGCSP
SGC058	A13058	19960221	Bis(2-chloroethyl)ether	360.000	UG/KG	360.000	0.0	0.0	U	SGCSP
SGC061	A13061	19960208	Bis(2-chloroethyl)ether	370.000	UG/KG	370.000	0.0	3.0	U	SGCSP
SGC059	A13059	19960208	Bis(2-ethylhexyl)phthalate	360.000	UG/KG	360.000	0.0	3.0	U	SGCSP
SGC056	A13056	19960208	Bismuth	0.670	MG/KG		0.0	1.5	U	SGCSP
SGC059	A13059	19960208	Bismuth	0.690	MG/KG		0.0	3.0	U	SGCSP
SGC061	A13061	19960208	Bismuth	0.710	MG/KG		0.0	3.0	U	SGCSP

Location_na	Sample_i	Collection_	Value_name	Measured_	Value_u	Detection_	Start_d	End_	Lab	Dat	Project_code
SGC058	A13058	19960221	Bismuth	1.000	MG/KG		0.0	0.0	U		SGCSP
TF78	000212	20010710	Bismuth-207	0.050	PCI/G	0.050	0.0	4.0	U		TF2001
TF75	000330	20010718	Bismuth-207	0.057	PCI/G	0.057	0.0	4.0	U		TF2001
SGC061	A13061	19960208	Bismuth-207	0.090	PCI/G	0.090	0.0	3.0	U		SGCSP
SGC059	A13059	19960208	Bismuth-207	0.103	PCI/G	0.103	0.0	3.0	U		SGCSP
SGC056	A13056	19960208	Bismuth-207	0.103	PCI/G	0.103	0.0	1.5	U		SGCSP
SGC058	A13058	19960221	Bismuth-207	0.108	PCI/G	0.108	0.0	0.0	U		SGCSP
SGC058	A13058	19960221	Bismuth-210	0.117	PCI/G	0.117	0.0	0.0	U		SGCSP
SGC061	A13061	19960208	Bismuth-210	0.123	PCI/G	0.123	0.0	3.0	U		SGCSP
SGC056	A13056	19960208	Bismuth-210	0.141	PCI/G	0.141	0.0	1.5	U		SGCSP
SGC059	A13059	19960208	Bismuth-210	0.141	PCI/G	0.141	0.0	3.0	U		SGCSP
TF78	000212	20010710	Bismuth-210M	0.084	PCI/G	0.084	0.0	4.0	U		TF2001
TF75	000330	20010718	Bismuth-210M	0.088	PCI/G	0.088	0.0	4.0	U		TF2001
TF85	000286	20010716	Bromodichloromethane	5.000	UG/KG	5.000	16.0	20.0	U		TF2001
TF85	000287	20010716	Bromodichloromethane	5.000	UG/KG	5.000	20.0	24.0	U		TF2001
TF85	000289	20010716	Bromodichloromethane	5.000	UG/KG	5.000	28.0	30.0	U		TF2001
TF85	000285	20010716	Bromodichloromethane	5.000	UG/KG	5.000	16.0	20.0	U		TF2001
TF85	000283	20010716	Bromodichloromethane	5.000	UG/KG	5.000	8.0	12.0	U	UJ	TF2001
TF85	000282	20010716	Bromodichloromethane	5.000	UG/KG	5.000	4.0	8.0	U		TF2001
TF79	000321	20010718	Bromodichloromethane	5.000	UG/KG	5.000	0.0	4.0	U		TF2001
TF79	000327	20010718	Bromodichloromethane	5.000	UG/KG	5.000	24.0	28.0	U		TF2001
TF79	000320	20010718	Bromodichloromethane	5.000	UG/KG	5.000	0.0	4.0	U		TF2001
TF79	000322	20010718	Bromodichloromethane	5.000	UG/KG	5.000	4.0	8.0	U		TF2001
TF79	000328	20010718	Bromodichloromethane	5.000	UG/KG	5.000	28.0	32.0	U		TF2001
TF79	000325	20010718	Bromodichloromethane	5.000	UG/KG	5.000	16.0	20.0	U		TF2001
TF78	000221	20010710	Bromodichloromethane	5.000	UG/KG	5.000	32.0	36.0	U		TF2001
TF78	000215	20010710	Bromodichloromethane	5.000	UG/KG	5.000	8.0	12.0	U		TF2001
TF78	000213	20010710	Bromodichloromethane	5.000	UG/KG	5.000	4.0	8.0	U		TF2001
TF76	000127	20010718	Bromodichloromethane	5.000	UG/KG	5.000	12.0	16.0	U		TF2001
SGC059	A13059	19960208	Bromodichloromethane	5.000	UG/KG	5.000	0.0	3.0	U		SGCSP
TF85	000288	20010716	Bromodichloromethane	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF85	000284	20010716	Bromodichloromethane	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF85	000281	20010716	Bromodichloromethane	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF82	000244	20010712	Bromodichloromethane	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF82	000246	20010712	Bromodichloromethane	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF82	000247	20010712	Bromodichloromethane	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF82	000243	20010712	Bromodichloromethane	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF82	000248	20010712	Bromodichloromethane	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF82	000245	20010712	Bromodichloromethane	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF82	000249	20010712	Bromodichloromethane	6.000	UG/KG	6.000	20.0	24.0	U		TF2001

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Location_na	Sample_i	Collection_	Value_name	Measured_	Value_u	Detection_	Start_d	End_	Lab	Dat	Project_code
TF82	000250	20010712	Bromodichloromethane	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF81	000228	20010711	Bromodichloromethane	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF81	000254	20010712	Bromodichloromethane	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF81	000252	20010712	Bromodichloromethane	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF81	000251	20010712	Bromodichloromethane	6.000	UG/KG	6.000	0.0	4.0	U	UJ	TF2001
TF81	000259	20010712	Bromodichloromethane	6.000	UG/KG	6.000	28.0	32.0	U		TF2001
TF81	000253	20010712	Bromodichloromethane	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF81	000255	20010712	Bromodichloromethane	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF81	000257	20010712	Bromodichloromethane	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF81	000258	20010712	Bromodichloromethane	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF81	000256	20010712	Bromodichloromethane	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF79	000326	20010718	Bromodichloromethane	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF79	000324	20010718	Bromodichloromethane	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF79	000323	20010718	Bromodichloromethane	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF79	000329	20010718	Bromodichloromethane	6.000	UG/KG	6.000	32.0	36.0	U		TF2001
TF78	000214	20010710	Bromodichloromethane	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF78	000217	20010710	Bromodichloromethane	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF78	000218	20010710	Bromodichloromethane	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF78	000219	20010710	Bromodichloromethane	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF78	000216	20010710	Bromodichloromethane	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF78	000220	20010710	Bromodichloromethane	6.000	UG/KG	6.000	28.0	32.0	U		TF2001
TF78	000212	20010710	Bromodichloromethane	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF76	000126	20010720	Bromodichloromethane	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF76	000124	20010718	Bromodichloromethane	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF76	000123	20010718	Bromodichloromethane	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF76	000125	20010718	Bromodichloromethane	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF75	000331	20010718	Bromodichloromethane	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF75	000333	20010718	Bromodichloromethane	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF75	000334	20010718	Bromodichloromethane	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF75	000335	20010718	Bromodichloromethane	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF75	000332	20010718	Bromodichloromethane	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF75	000339	20010718	Bromodichloromethane	6.000	UG/KG	6.000	32.0	36.0	U		TF2001
TF75	000338	20010718	Bromodichloromethane	6.000	UG/KG	6.000	28.0	32.0	U	UJ	TF2001
TF75	000336	20010718	Bromodichloromethane	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF75	000337	20010720	Bromodichloromethane	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF75	000330	20010718	Bromodichloromethane	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
SGC058	A13058	19960221	Bromodichloromethane	6.000	UG/KG	6.000	0.0	0.0	U		SGCSP
SGC056	A13056	19960208	Bromodichloromethane	6.000	UG/KG	6.000	0.0	1.5	U		SGCSP
SGC061	A13061	19960208	Bromodichloromethane	6.000	UG/KG	6.000	0.0	3.0	U		SGCSP
SGC061	A13061	19960208	Bromodichloromethane	1400.000	UG/KG	1400.000	0.0	3.0	U		SGCSP

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Location_na	Sample_i	Collection_	Value_name	Measured_	Value_u	Detection_	Start_d	End_	Lab	Dat	Project_code
TF85	000286	20010716	Bromoform	5.000	UG/KG	5.000	16.0	20.0	U		TF2001
TF85	000287	20010716	Bromoform	5.000	UG/KG	5.000	20.0	24.0	U		TF2001
TF85	000289	20010716	Bromoform	5.000	UG/KG	5.000	28.0	30.0	U		TF2001
TF85	000285	20010716	Bromoform	5.000	UG/KG	5.000	16.0	20.0	U		TF2001
TF85	000283	20010716	Bromoform	5.000	UG/KG	5.000	8.0	12.0	U	UJ	TF2001
TF85	000282	20010716	Bromoform	5.000	UG/KG	5.000	4.0	8.0	U		TF2001
TF79	000321	20010718	Bromoform	5.000	UG/KG	5.000	0.0	4.0	U		TF2001
TF79	000327	20010718	Bromoform	5.000	UG/KG	5.000	24.0	28.0	U		TF2001
TF79	000320	20010718	Bromoform	5.000	UG/KG	5.000	0.0	4.0	U		TF2001
TF79	000322	20010718	Bromoform	5.000	UG/KG	5.000	4.0	8.0	U		TF2001
TF79	000328	20010718	Bromoform	5.000	UG/KG	5.000	28.0	32.0	U		TF2001
TF79	000325	20010718	Bromoform	5.000	UG/KG	5.000	16.0	20.0	U		TF2001
TF78	000221	20010710	Bromoform	5.000	UG/KG	5.000	32.0	36.0	U		TF2001
TF78	000215	20010710	Bromoform	5.000	UG/KG	5.000	8.0	12.0	U		TF2001
TF78	000213	20010710	Bromoform	5.000	UG/KG	5.000	4.0	8.0	U		TF2001
TF76	000127	20010718	Bromoform	5.000	UG/KG	5.000	12.0	16.0	U		TF2001
SGC059	A13059	19960208	Bromoform	5.000	UG/KG	5.000	0.0	3.0	U		SGCSP
TF85	000288	20010716	Bromoform	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF85	000284	20010716	Bromoform	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF85	000281	20010716	Bromoform	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF82	000244	20010712	Bromoform	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF82	000246	20010712	Bromoform	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF82	000247	20010712	Bromoform	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF82	000243	20010712	Bromoform	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF82	000248	20010712	Bromoform	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF82	000245	20010712	Bromoform	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF82	000249	20010712	Bromoform	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF82	000250	20010712	Bromoform	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF81	000228	20010711	Bromoform	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF81	000254	20010712	Bromoform	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF81	000252	20010712	Bromoform	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF81	000251	20010712	Bromoform	6.000	UG/KG	6.000	0.0	4.0	U	UJ	TF2001
TF81	000259	20010712	Bromoform	6.000	UG/KG	6.000	28.0	32.0	U		TF2001
TF81	000253	20010712	Bromoform	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF81	000255	20010712	Bromoform	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF81	000257	20010712	Bromoform	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF81	000258	20010712	Bromoform	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF81	000256	20010712	Bromoform	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF79	000326	20010718	Bromoform	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF79	000324	20010718	Bromoform	6.000	UG/KG	6.000	12.0	16.0	U		TF2001

Location_na	Sample_i	Collection_	Value_name	Measured_	Value_u	Detection_	Start_d	End_	Lab	Dat	Project_code
TF79	000323	20010718	Bromoform	6.000	UG/KG	6.000	8.0	12.0	U	UJ	TF2001
TF79	000329	20010718	Bromoform	6.000	UG/KG	6.000	32.0	36.0	U		TF2001
TF78	000214	20010710	Bromoform	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF78	000217	20010710	Bromoform	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF78	000218	20010710	Bromoform	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF78	000219	20010710	Bromoform	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF78	000216	20010710	Bromoform	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF78	000220	20010710	Bromoform	6.000	UG/KG	6.000	28.0	32.0	U		TF2001
TF78	000212	20010710	Bromoform	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF76	000126	20010720	Bromoform	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF76	000124	20010718	Bromoform	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF76	000123	20010718	Bromoform	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF76	000125	20010718	Bromoform	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF75	000331	20010718	Bromoform	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF75	000333	20010718	Bromoform	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF75	000334	20010718	Bromoform	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF75	000335	20010718	Bromoform	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF75	000332	20010718	Bromoform	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF75	000339	20010718	Bromoform	6.000	UG/KG	6.000	32.0	36.0	U		TF2001
TF75	000338	20010718	Bromoform	6.000	UG/KG	6.000	28.0	32.0	U	UJ	TF2001
TF75	000336	20010718	Bromoform	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF75	000337	20010720	Bromoform	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF75	000330	20010718	Bromoform	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
SGC058	A13058	19960221	Bromoform	6.000	UG/KG	6.000	0.0	0.0	U		SGCSP
SGC056	A13056	19960208	Bromoform	6.000	UG/KG	6.000	0.0	1.5	U		SGCSP
SGC061	A13061	19960208	Bromoform	6.000	UG/KG	6.000	0.0	3.0	U		SGCSP
SGC061	A13061	19960208	Bromoform	1400.000	UG/KG	1400.000	0.0	3.0	U		SGCSP
TF85	000287	20010716	Bromomethane	9.000	UG/KG	9.000	20.0	24.0	U		TF2001
TF85	000286	20010716	Bromomethane	10.000	UG/KG	10.000	16.0	20.0	U		TF2001
TF85	000289	20010716	Bromomethane	10.000	UG/KG	10.000	28.0	30.0	U		TF2001
TF85	000285	20010716	Bromomethane	10.000	UG/KG	10.000	16.0	20.0	U		TF2001
TF85	000283	20010716	Bromomethane	10.000	UG/KG	10.000	8.0	12.0	U		TF2001
TF85	000282	20010716	Bromomethane	10.000	UG/KG	10.000	4.0	8.0	U		TF2001
TF79	000321	20010718	Bromomethane	10.000	UG/KG	10.000	0.0	4.0	U		TF2001
TF79	000327	20010718	Bromomethane	10.000	UG/KG	10.000	24.0	28.0	U		TF2001
TF79	000320	20010718	Bromomethane	10.000	UG/KG	10.000	0.0	4.0	U		TF2001
TF79	000322	20010718	Bromomethane	10.000	UG/KG	10.000	4.0	8.0	U		TF2001
TF79	000328	20010718	Bromomethane	10.000	UG/KG	10.000	28.0	32.0	U		TF2001
TF79	000325	20010718	Bromomethane	10.000	UG/KG	10.000	16.0	20.0	U		TF2001
TF78	000221	20010710	Bromomethane	10.000	UG/KG	10.000	32.0	36.0	U		TF2001

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Location_na	Sample_i	Collection_	Value_name	Measured_	Value_u	Detection_	Start_d	End_	Lab Dat	Project_code
TF78	000215	20010710	Bromomethane	10.000	UG/KG	10.000	8.0	12.0	U	TF2001
TF78	000213	20010710	Bromomethane	10.000	UG/KG	10.000	4.0	8.0	U	TF2001
TF76	000127	20010718	Bromomethane	10.000	UG/KG	10.000	12.0	16.0	U	TF2001
SGC059	A13059	19960208	Bromomethane	10.000	UG/KG	10.000	0.0	3.0	U	SGCSP
TF85	000288	20010716	Bromomethane	11.000	UG/KG	11.000	24.0	28.0	U	TF2001
TF85	000281	20010716	Bromomethane	11.000	UG/KG	11.000	0.0	4.0	U	TF2001
TF82	000244	20010712	Bromomethane	11.000	UG/KG	11.000	0.0	4.0	U	TF2001
TF82	000246	20010712	Bromomethane	11.000	UG/KG	11.000	8.0	12.0	U	TF2001
TF82	000247	20010712	Bromomethane	11.000	UG/KG	11.000	16.0	20.0	U	TF2001
TF82	000243	20010712	Bromomethane	11.000	UG/KG	11.000	0.0	4.0	U	TF2001
TF82	000248	20010712	Bromomethane	11.000	UG/KG	11.000	16.0	20.0	U	TF2001
TF82	000245	20010712	Bromomethane	11.000	UG/KG	11.000	4.0	8.0	U	TF2001
TF82	000249	20010712	Bromomethane	11.000	UG/KG	11.000	20.0	24.0	U	TF2001
TF82	000250	20010712	Bromomethane	11.000	UG/KG	11.000	24.0	28.0	U	TF2001
TF81	000228	20010711	Bromomethane	11.000	UG/KG	11.000	12.0	16.0	U	TF2001
TF81	000252	20010712	Bromomethane	11.000	UG/KG	11.000	4.0	8.0	U	TF2001
TF81	000251	20010712	Bromomethane	11.000	UG/KG	11.000	0.0	4.0	U	TF2001
TF81	000259	20010712	Bromomethane	11.000	UG/KG	11.000	28.0	32.0	U	TF2001
TF81	000253	20010712	Bromomethane	11.000	UG/KG	11.000	8.0	12.0	U	TF2001
TF81	000255	20010712	Bromomethane	11.000	UG/KG	11.000	12.0	16.0	U	TF2001
TF81	000258	20010712	Bromomethane	11.000	UG/KG	11.000	24.0	28.0	U	TF2001
TF81	000256	20010712	Bromomethane	11.000	UG/KG	11.000	16.0	20.0	U	TF2001
TF79	000326	20010718	Bromomethane	11.000	UG/KG	11.000	20.0	24.0	U	TF2001
TF79	000324	20010718	Bromomethane	11.000	UG/KG	11.000	12.0	16.0	U	TF2001
TF79	000323	20010718	Bromomethane	11.000	UG/KG	11.000	8.0	12.0	U	TF2001
TF79	000329	20010718	Bromomethane	11.000	UG/KG	11.000	32.0	36.0	U	TF2001
TF78	000214	20010710	Bromomethane	11.000	UG/KG	11.000	4.0	8.0	U	TF2001
TF78	000217	20010710	Bromomethane	11.000	UG/KG	11.000	16.0	20.0	U	TF2001
TF78	000218	20010710	Bromomethane	11.000	UG/KG	11.000	20.0	24.0	U	TF2001
TF78	000219	20010710	Bromomethane	11.000	UG/KG	11.000	24.0	28.0	U	TF2001
TF78	000216	20010710	Bromomethane	11.000	UG/KG	11.000	12.0	16.0	U	TF2001
TF78	000220	20010710	Bromomethane	11.000	UG/KG	11.000	28.0	32.0	U	TF2001
TF78	000212	20010710	Bromomethane	11.000	UG/KG	11.000	0.0	4.0	U	TF2001
TF76	000126	20010720	Bromomethane	11.000	UG/KG	11.000	8.0	12.0	U	TF2001
TF76	000124	20010718	Bromomethane	11.000	UG/KG	11.000	4.0	8.0	U	TF2001
TF76	000123	20010718	Bromomethane	11.000	UG/KG	11.000	0.0	4.0	U	TF2001
TF76	000125	20010718	Bromomethane	11.000	UG/KG	11.000	8.0	12.0	U	TF2001
TF75	000331	20010718	Bromomethane	11.000	UG/KG	11.000	0.0	4.0	U	TF2001
TF75	000333	20010718	Bromomethane	11.000	UG/KG	11.000	8.0	12.0	U	TF2001
TF75	000335	20010718	Bromomethane	11.000	UG/KG	11.000	16.0	20.0	U	TF2001

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Location_na	Sample_i	Collection_	Value_name	Measured_	Value_u	Detection_	Start_d	End_	Lab	Dat	Project_code
TF75	000332	20010718	Bromomethane	11.000	UG/KG	11.000	4.0	8.0	U		TF2001
TF75	000338	20010718	Bromomethane	11.000	UG/KG	11.000	28.0	32.0	U	UJ	TF2001
TF75	000337	20010720	Bromomethane	11.000	UG/KG	11.000	24.0	28.0	U		TF2001
TF75	000330	20010718	Bromomethane	11.000	UG/KG	11.000	0.0	4.0	U		TF2001
SGC058	A13058	19960221	Bromomethane	11.000	UG/KG	11.000	0.0	0.0	U		SGCSP
SGC056	A13056	19960208	Bromomethane	11.000	UG/KG	11.000	0.0	1.5	U		SGCSP
SGC061	A13061	19960208	Bromomethane	11.000	UG/KG	11.000	0.0	3.0	U		SGCSP
TF81	000254	20010712	Bromomethane	12.000	UG/KG	12.000	8.0	12.0	U		TF2001
TF81	000257	20010712	Bromomethane	12.000	UG/KG	12.000	20.0	24.0	U		TF2001
TF75	000334	20010718	Bromomethane	12.000	UG/KG	12.000	12.0	16.0	U		TF2001
TF75	000339	20010718	Bromomethane	12.000	UG/KG	12.000	32.0	36.0	U		TF2001
TF75	000336	20010718	Bromomethane	12.000	UG/KG	12.000	20.0	24.0	U		TF2001
TF85	000284	20010716	Bromomethane	13.000	UG/KG	13.000	12.0	16.0	U		TF2001
SGC061	A13061	19960208	Bromomethane	2800.000	UG/KG	2800.000	0.0	3.0	U		SGCSP
SGC056	A13056	19960208	Butyl Benzyl Phthalate	350.000	UG/KG	350.000	0.0	1.5	U		SGCSP
SGC059	A13059	19960208	Butyl Benzyl Phthalate	360.000	UG/KG	360.000	0.0	3.0	U		SGCSP
SGC058	A13058	19960221	Butyl Benzyl Phthalate	360.000	UG/KG	360.000	0.0	0.0	U		SGCSP
SGC061	A13061	19960208	Butyl Benzyl Phthalate	370.000	UG/KG	370.000	0.0	3.0	U		SGCSP
SGC056	A13056	19960208	Carbazole	350.000	UG/KG	350.000	0.0	1.5	U		SGCSP
SGC059	A13059	19960208	Carbazole	360.000	UG/KG	360.000	0.0	3.0	U		SGCSP
SGC058	A13058	19960221	Carbazole	360.000	UG/KG	360.000	0.0	0.0	U		SGCSP
SGC061	A13061	19960208	Carbazole	370.000	UG/KG	370.000	0.0	3.0	U		SGCSP
TF85	000286	20010716	Carbon Disulfide	5.000	UG/KG	5.000	16.0	20.0	U		TF2001
TF85	000287	20010716	Carbon Disulfide	5.000	UG/KG	5.000	20.0	24.0	U		TF2001
TF85	000289	20010716	Carbon Disulfide	5.000	UG/KG	5.000	28.0	30.0	U		TF2001
TF85	000285	20010716	Carbon Disulfide	5.000	UG/KG	5.000	16.0	20.0	U		TF2001
TF85	000282	20010716	Carbon Disulfide	5.000	UG/KG	5.000	4.0	8.0	U		TF2001
TF79	000321	20010718	Carbon Disulfide	5.000	UG/KG	5.000	0.0	4.0	U		TF2001
TF79	000327	20010718	Carbon Disulfide	5.000	UG/KG	5.000	24.0	28.0	U		TF2001
TF79	000320	20010718	Carbon Disulfide	5.000	UG/KG	5.000	0.0	4.0	U		TF2001
TF79	000322	20010718	Carbon Disulfide	5.000	UG/KG	5.000	4.0	8.0	U		TF2001
TF79	000328	20010718	Carbon Disulfide	5.000	UG/KG	5.000	28.0	32.0	U		TF2001
TF79	000325	20010718	Carbon Disulfide	5.000	UG/KG	5.000	16.0	20.0	U		TF2001
TF78	000221	20010710	Carbon Disulfide	5.000	UG/KG	5.000	32.0	36.0	U		TF2001
TF78	000215	20010710	Carbon Disulfide	5.000	UG/KG	5.000	8.0	12.0	U		TF2001
TF78	000213	20010710	Carbon Disulfide	5.000	UG/KG	5.000	4.0	8.0	U		TF2001
TF76	000127	20010718	Carbon Disulfide	5.000	UG/KG	5.000	12.0	16.0	U		TF2001
SGC059	A13059	19960208	Carbon Disulfide	5.000	UG/KG	5.000	0.0	3.0	U		SGCSP
TF85	000288	20010716	Carbon Disulfide	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF85	000281	20010716	Carbon Disulfide	6.000	UG/KG	6.000	0.0	4.0	U		TF2001

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Location_na	Sample_i	Collection_	Value_name	Measured_	Value_u	Detection_	Start_d	End_	Lab	Dat	Project_code
TF82	000244	20010712	Carbon Disulfide	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF82	000246	20010712	Carbon Disulfide	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF82	000247	20010712	Carbon Disulfide	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF82	000243	20010712	Carbon Disulfide	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF82	000248	20010712	Carbon Disulfide	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF82	000245	20010712	Carbon Disulfide	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF82	000249	20010712	Carbon Disulfide	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF82	000250	20010712	Carbon Disulfide	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF81	000228	20010711	Carbon Disulfide	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF81	000254	20010712	Carbon Disulfide	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF81	000252	20010712	Carbon Disulfide	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF81	000251	20010712	Carbon Disulfide	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF81	000259	20010712	Carbon Disulfide	6.000	UG/KG	6.000	28.0	32.0	U		TF2001
TF81	000253	20010712	Carbon Disulfide	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF81	000255	20010712	Carbon Disulfide	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF81	000257	20010712	Carbon Disulfide	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF81	000258	20010712	Carbon Disulfide	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF81	000256	20010712	Carbon Disulfide	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF79	000326	20010718	Carbon Disulfide	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF79	000324	20010718	Carbon Disulfide	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF79	000323	20010718	Carbon Disulfide	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF79	000329	20010718	Carbon Disulfide	6.000	UG/KG	6.000	32.0	36.0	U		TF2001
TF78	000214	20010710	Carbon Disulfide	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF78	000218	20010710	Carbon Disulfide	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF78	000219	20010710	Carbon Disulfide	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF78	000220	20010710	Carbon Disulfide	6.000	UG/KG	6.000	28.0	32.0	U		TF2001
TF78	000212	20010710	Carbon Disulfide	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF76	000126	20010720	Carbon Disulfide	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF76	000124	20010718	Carbon Disulfide	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF76	000123	20010718	Carbon Disulfide	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF76	000125	20010718	Carbon Disulfide	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF75	000331	20010718	Carbon Disulfide	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF75	000333	20010718	Carbon Disulfide	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF75	000334	20010718	Carbon Disulfide	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF75	000335	20010718	Carbon Disulfide	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF75	000332	20010718	Carbon Disulfide	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF75	000338	20010718	Carbon Disulfide	6.000	UG/KG	6.000	28.0	32.0	U	UJ	TF2001
TF75	000336	20010718	Carbon Disulfide	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF75	000330	20010718	Carbon Disulfide	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
SGC058	A13058	19960221	Carbon Disulfide	6.000	UG/KG	6.000	0.0	0.0	U		SGCSP

Location_na	Sample_i	Collection_	Value_name	Measured_	Value_u	Detection_	Start_d	End_	Lab	Dat	Project_code
SGC056	A13056	19960208	Carbon Disulfide	6.000	UG/KG	6.000	0.0	1.5	U		SGCSP
SGC061	A13061	19960208	Carbon Disulfide	6.000	UG/KG	6.000	0.0	3.0	U		SGCSP
SGC061	A13061	19960208	Carbon Disulfide	1400.000	UG/KG	1400.000	0.0	3.0	U		SGCSP
TF85	000286	20010716	Carbon Tetrachloride	5.000	UG/KG	5.000	16.0	20.0	U		TF2001
TF85	000287	20010716	Carbon Tetrachloride	5.000	UG/KG	5.000	20.0	24.0	U		TF2001
TF85	000289	20010716	Carbon Tetrachloride	5.000	UG/KG	5.000	28.0	30.0	U		TF2001
TF85	000285	20010716	Carbon Tetrachloride	5.000	UG/KG	5.000	16.0	20.0	U		TF2001
TF85	000283	20010716	Carbon Tetrachloride	5.000	UG/KG	5.000	8.0	12.0	U	UJ	TF2001
TF85	000282	20010716	Carbon Tetrachloride	5.000	UG/KG	5.000	4.0	8.0	U		TF2001
TF79	000321	20010718	Carbon Tetrachloride	5.000	UG/KG	5.000	0.0	4.0	U		TF2001
TF79	000327	20010718	Carbon Tetrachloride	5.000	UG/KG	5.000	24.0	28.0	U		TF2001
TF79	000320	20010718	Carbon Tetrachloride	5.000	UG/KG	5.000	0.0	4.0	U		TF2001
TF79	000322	20010718	Carbon Tetrachloride	5.000	UG/KG	5.000	4.0	8.0	U		TF2001
TF79	000328	20010718	Carbon Tetrachloride	5.000	UG/KG	5.000	28.0	32.0	U		TF2001
TF79	000325	20010718	Carbon Tetrachloride	5.000	UG/KG	5.000	16.0	20.0	U		TF2001
TF78	000221	20010710	Carbon Tetrachloride	5.000	UG/KG	5.000	32.0	36.0	U		TF2001
TF78	000215	20010710	Carbon Tetrachloride	5.000	UG/KG	5.000	8.0	12.0	U		TF2001
TF78	000213	20010710	Carbon Tetrachloride	5.000	UG/KG	5.000	4.0	8.0	U		TF2001
TF76	000127	20010718	Carbon Tetrachloride	5.000	UG/KG	5.000	12.0	16.0	U		TF2001
SGC059	A13059	19960208	Carbon Tetrachloride	5.000	UG/KG	5.000	0.0	3.0	U		SGCSP
TF85	000288	20010716	Carbon Tetrachloride	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF85	000284	20010716	Carbon Tetrachloride	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF85	000281	20010716	Carbon Tetrachloride	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF82	000244	20010712	Carbon Tetrachloride	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF82	000246	20010712	Carbon Tetrachloride	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF82	000247	20010712	Carbon Tetrachloride	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF82	000243	20010712	Carbon Tetrachloride	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF82	000248	20010712	Carbon Tetrachloride	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF82	000245	20010712	Carbon Tetrachloride	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF82	000249	20010712	Carbon Tetrachloride	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF82	000250	20010712	Carbon Tetrachloride	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF81	000228	20010711	Carbon Tetrachloride	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF81	000254	20010712	Carbon Tetrachloride	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF81	000252	20010712	Carbon Tetrachloride	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF81	000251	20010712	Carbon Tetrachloride	6.000	UG/KG	6.000	0.0	4.0	U	UJ	TF2001
TF81	000259	20010712	Carbon Tetrachloride	6.000	UG/KG	6.000	28.0	32.0	U		TF2001
TF81	000253	20010712	Carbon Tetrachloride	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF81	000255	20010712	Carbon Tetrachloride	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF81	000257	20010712	Carbon Tetrachloride	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF81	000258	20010712	Carbon Tetrachloride	6.000	UG/KG	6.000	24.0	28.0	U		TF2001

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Location_na	Sample_i	Collection_	Value_name	Measured_	Value_u	Detection_	Start_d	End_	Lab Dat	Project_code
TF81	000256	20010712	Carbon Tetrachloride	6.000	UG/KG	6.000	16.0	20.0	U	TF2001
TF79	000326	20010718	Carbon Tetrachloride	6.000	UG/KG	6.000	20.0	24.0	U	TF2001
TF79	000324	20010718	Carbon Tetrachloride	6.000	UG/KG	6.000	12.0	16.0	U	TF2001
TF79	000323	20010718	Carbon Tetrachloride	6.000	UG/KG	6.000	8.0	12.0	U	TF2001
TF79	000329	20010718	Carbon Tetrachloride	6.000	UG/KG	6.000	32.0	36.0	U	TF2001
TF78	000214	20010710	Carbon Tetrachloride	6.000	UG/KG	6.000	4.0	8.0	U	TF2001
TF78	000217	20010710	Carbon Tetrachloride	6.000	UG/KG	6.000	16.0	20.0	U	TF2001
TF78	000218	20010710	Carbon Tetrachloride	6.000	UG/KG	6.000	20.0	24.0	U	TF2001
TF78	000219	20010710	Carbon Tetrachloride	6.000	UG/KG	6.000	24.0	28.0	U	TF2001
TF78	000216	20010710	Carbon Tetrachloride	6.000	UG/KG	6.000	12.0	16.0	U	TF2001
TF78	000220	20010710	Carbon Tetrachloride	6.000	UG/KG	6.000	28.0	32.0	U	TF2001
TF78	000212	20010710	Carbon Tetrachloride	6.000	UG/KG	6.000	0.0	4.0	U	TF2001
TF76	000126	20010720	Carbon Tetrachloride	6.000	UG/KG	6.000	8.0	12.0	U	TF2001
TF76	000124	20010718	Carbon Tetrachloride	6.000	UG/KG	6.000	4.0	8.0	U	TF2001
TF76	000123	20010718	Carbon Tetrachloride	6.000	UG/KG	6.000	0.0	4.0	U	TF2001
TF76	000125	20010718	Carbon Tetrachloride	6.000	UG/KG	6.000	8.0	12.0	U	TF2001
TF75	000331	20010718	Carbon Tetrachloride	6.000	UG/KG	6.000	0.0	4.0	U	TF2001
TF75	000333	20010718	Carbon Tetrachloride	6.000	UG/KG	6.000	8.0	12.0	U	TF2001
TF75	000334	20010718	Carbon Tetrachloride	6.000	UG/KG	6.000	12.0	16.0	U	TF2001
TF75	000335	20010718	Carbon Tetrachloride	6.000	UG/KG	6.000	16.0	20.0	U	TF2001
TF75	000332	20010718	Carbon Tetrachloride	6.000	UG/KG	6.000	4.0	8.0	U	TF2001
TF75	000339	20010718	Carbon Tetrachloride	6.000	UG/KG	6.000	32.0	36.0	U	TF2001
TF75	000338	20010718	Carbon Tetrachloride	6.000	UG/KG	6.000	28.0	32.0	U UJ	TF2001
TF75	000336	20010718	Carbon Tetrachloride	6.000	UG/KG	6.000	20.0	24.0	U	TF2001
TF75	000337	20010720	Carbon Tetrachloride	6.000	UG/KG	6.000	24.0	28.0	U	TF2001
TF75	000330	20010718	Carbon Tetrachloride	6.000	UG/KG	6.000	0.0	4.0	U	TF2001
SGC058	A13058	19960221	Carbon Tetrachloride	6.000	UG/KG	6.000	0.0	0.0	U	SGCSP
SGC056	A13056	19960208	Carbon Tetrachloride	6.000	UG/KG	6.000	0.0	1.5	U	SGCSP
SGC061	A13061	19960208	Carbon Tetrachloride	6.000	UG/KG	6.000	0.0	3.0	U	SGCSP
SGC061	A13061	19960208	Carbon Tetrachloride	1400.000	UG/KG	1400.000	0.0	3.0	U	SGCSP
TF81	000251	20010712	Cesium-137	0.025	PCI/G	0.025	0.0	4.0	U	TF2001
TF81	000257	20010712	Cesium-137	0.030	PCI/G	0.030	20.0	24.0	U	TF2001
TF79	000329	20010718	Cesium-137	0.032	PCI/G	0.032	32.0	36.0	U	TF2001
TF81	000255	20010712	Cesium-137	0.033	PCI/G	0.033	12.0	16.0	U	TF2001
TF78	000220	20010710	Cesium-137	0.033	PCI/G	0.033	28.0	32.0	U	TF2001
TF81	000252	20010712	Cesium-137	0.034	PCI/G	0.034	4.0	8.0	U	TF2001
TF79	000320	20010718	Cesium-137	0.034	PCI/G	0.034	0.0	4.0	U	TF2001
TF79	000323	20010718	Cesium-137	0.034	PCI/G	0.034	8.0	12.0	U	TF2001
TF82	000250	20010712	Cesium-137	0.035	PCI/G	0.035	24.0	28.0	U	TF2001
TF85	000289	20010716	Cesium-137	0.035	PCI/G	0.035	28.0	30.0	U	TF2001

Location_na	Sample_i	Collection_	Value_name	Measured_	Value_u	Detection_	Start_d	End_	Lab Dat	Project_code
TF82	000245	20010712	Cesium-137	0.035	PCI/G	0.035	4.0	8.0	U	TF2001
TF85	000288	20010716	Cesium-137	0.035	PCI/G	0.035	24.0	28.0	U	TF2001
TF81	000258	20010712	Cesium-137	0.036	PCI/G	0.036	24.0	28.0	U	TF2001
TF81	000254	20010712	Cesium-137	0.036	PCI/G	0.036	8.0	12.0	U	TF2001
TF79	000322	20010718	Cesium-137	0.036	PCI/G	0.036	4.0	8.0	U	TF2001
TF85	000286	20010716	Cesium-137	0.037	PCI/G	0.037	16.0	20.0	U	TF2001
TF75	000338	20010718	Cesium-137	0.038	PCI/G	0.038	28.0	32.0	U	TF2001
TF79	000326	20010718	Cesium-137	0.038	PCI/G	0.038	20.0	24.0	U	TF2001
TF76	000124	20010718	Cesium-137	0.038	PCI/G	0.038	4.0	8.0	U	TF2001
TF55	000026	20010706	Cesium-137	0.038	PCI/G	0.038	0.0	4.0	U	TF2001
TF78	000219	20010710	Cesium-137	0.039	PCI/G	0.039	24.0	28.0	U	TF2001
TF85	000285	20010716	Cesium-137	0.039	PCI/G	0.039	16.0	20.0	U	TF2001
TF78	000216	20010710	Cesium-137	0.040	PCI/G	0.040	12.0	16.0	U	TF2001
TF82	000248	20010712	Cesium-137	0.040	PCI/G	0.040	16.0	20.0	U	TF2001
TF82	000249	20010712	Cesium-137	0.040	PCI/G	0.040	20.0	24.0	U	TF2001
TF75	000337	20010720	Cesium-137	0.042	PCI/G	0.042	24.0	28.0	U	TF2001
TF82	000247	20010712	Cesium-137	0.042	PCI/G	0.042	16.0	20.0	U	TF2001
TF75	000332	20010718	Cesium-137	0.042	PCI/G	0.042	4.0	8.0	U	TF2001
TF75	000333	20010718	Cesium-137	0.042	PCI/G	0.042	8.0	12.0	U	TF2001
TF85	000281	20010716	Cesium-137	0.043	PCI/G	0.043	0.0	4.0	U	TF2001
TF79	000325	20010718	Cesium-137	0.043	PCI/G	0.043	16.0	20.0	U	TF2001
TF75	000335	20010718	Cesium-137	0.043	PCI/G	0.043	16.0	20.0	U	TF2001
TF76	000127	20010718	Cesium-137	0.043	PCI/G	0.043	12.0	16.0	U	TF2001
TF79	000321	20010718	Cesium-137	0.044	PCI/G	0.044	0.0	4.0	U	TF2001
TF78	000221	20010710	Cesium-137	0.044	PCI/G	0.044	32.0	36.0	U	TF2001
TF78	000213	20010710	Cesium-137	0.044	PCI/G	0.044	4.0	8.0	U	TF2001
TF78	000218	20010710	Cesium-137	0.044	PCI/G	0.044	20.0	24.0	U	TF2001
TF78	000215	20010710	Cesium-137	0.045	PCI/G	0.045	8.0	12.0	U	TF2001
TF79	000327	20010718	Cesium-137	0.045	PCI/G	0.045	24.0	28.0	U	TF2001
TF85	000283	20010716	Cesium-137	0.046	PCI/G	0.046	8.0	12.0	U	TF2001
TF75	000336	20010718	Cesium-137	0.046	PCI/G	0.046	20.0	24.0	U	TF2001
TF81	000228	20010711	Cesium-137	0.047	PCI/G	0.047	12.0	16.0	U	TF2001
TF58	000051	20010709	Cesium-137	0.047	PCI/G	0.047	0.0	4.0	U	TF2001
TF76	000123	20010718	Cesium-137	0.047	PCI/G	0.047	0.0	4.0	U	TF2001
TF85	000284	20010716	Cesium-137	0.048	PCI/G	0.048	12.0	16.0	U	TF2001
TF76	000126	20010720	Cesium-137	0.050	PCI/G	0.050	8.0	12.0	U	TF2001
TF56	000047	20010709	Cesium-137	0.050	PCI/G	0.050	0.0	4.0	U	TF2001
TF76	000125	20010718	Cesium-137	0.050	PCI/G	0.050	8.0	12.0	U	TF2001
TF81	000253	20010712	Cesium-137	0.050	PCI/G	0.050	8.0	12.0	U	TF2001
TF50	000022	20010706	Cesium-137	0.050	PCI/G	0.050	0.0	4.0	U	TF2001

Location_na	Sample_i	Collection_	Value_name	Measured_	Value_u	Detection_	Start_d	End_	Lab	Dat	Project_code
TF75	000331	20010718	Cesium-137	0.051	PCI/G	0.051	0.0	4.0	U		TF2001
TF62	000053	20010709	Cesium-137	0.051	PCI/G	0.051	0.0	4.0	U		TF2001
TF78	000212	20010710	Cesium-137	0.051	PCI/G	0.051	0.0	4.0	U		TF2001
TF75	000339	20010718	Cesium-137	0.051	PCI/G	0.051	32.0	36.0	U		TF2001
TF78	000214	20010710	Cesium-137	0.053	PCI/G	0.053	4.0	8.0	U		TF2001
TF79	000324	20010718	Cesium-137	0.054	PCI/G	0.054	12.0	16.0	U		TF2001
TF79	000328	20010718	Cesium-137	0.055	PCI/G	0.055	28.0	32.0	U		TF2001
TF85	000287	20010716	Cesium-137	0.055	PCI/G	0.055	20.0	24.0	U		TF2001
TF82	000246	20010712	Cesium-137	0.055	PCI/G	0.055	8.0	12.0	U		TF2001
TF81	000259	20010712	Cesium-137	0.055	PCI/G	0.055	28.0	32.0	U		TF2001
TF75	000334	20010718	Cesium-137	0.057	PCI/G	0.057	12.0	16.0	U		TF2001
TF82	000243	20010712	Cesium-137	0.057	PCI/G	0.057	0.0	4.0	U		TF2001
TF82	000244	20010712	Cesium-137	0.058	PCI/G	0.058	0.0	4.0	U		TF2001
TF61	000052	20010709	Cesium-137	0.059	PCI/G	0.059	0.0	4.0	U		TF2001
TF85	000282	20010716	Cesium-137	0.059	PCI/G	0.059	4.0	8.0	U		TF2001
TF52	000023	20010706	Cesium-137	0.060	PCI/G	0.060	0.0	4.0	U		TF2001
TF81	000256	20010712	Cesium-137	0.061	PCI/G	0.061	16.0	20.0	U		TF2001
TF78	000212	20010710	Cesium-137	0.064	PCI/G	0.064	0.0	4.0	U		TF2001
TF78	000217	20010710	Cesium-137	0.064	PCI/G	0.064	16.0	20.0	U		TF2001
TF52	000024	20010706	Cesium-137	0.066	PCI/G	0.066	0.0	4.0	U		TF2001
TF75	000330	20010718	Cesium-137	0.068	PCI/G	0.068	0.0	4.0	U		TF2001
TF75	000330	20010718	Cesium-137	0.071	PCI/G	0.071	0.0	4.0	U		TF2001
TF59	000054	20010709	Cesium-137	0.072	PCI/G	0.072	0.0	4.0	U		TF2001
SGC061	A13061	19960208	Cesium-137	0.102	PCI/G	0.102	0.0	3.0	U		SGCSP
SGC058	A13058	19960221	Cesium-137	0.124	PCI/G	0.124	0.0	0.0	U		SGCSP
SGC056	A13056	19960208	Cesium-137	0.142	PCI/G	0.142	0.0	1.5	U		SGCSP
SGC059	A13059	19960208	Cesium-137	0.153	PCI/G	0.153	0.0	3.0	U		SGCSP
TF85	000286	20010716	Chlorobenzene	5.000	UG/KG	5.000	16.0	20.0	U		TF2001
TF85	000287	20010716	Chlorobenzene	5.000	UG/KG	5.000	20.0	24.0	U		TF2001
TF85	000289	20010716	Chlorobenzene	5.000	UG/KG	5.000	28.0	30.0	U		TF2001
TF85	000285	20010716	Chlorobenzene	5.000	UG/KG	5.000	16.0	20.0	U		TF2001
TF85	000283	20010716	Chlorobenzene	5.000	UG/KG	5.000	8.0	12.0	U	UJ	TF2001
TF85	000282	20010716	Chlorobenzene	5.000	UG/KG	5.000	4.0	8.0	U		TF2001
TF79	000321	20010718	Chlorobenzene	5.000	UG/KG	5.000	0.0	4.0	U		TF2001
TF79	000327	20010718	Chlorobenzene	5.000	UG/KG	5.000	24.0	28.0	U		TF2001
TF79	000320	20010718	Chlorobenzene	5.000	UG/KG	5.000	0.0	4.0	U		TF2001
TF79	000322	20010718	Chlorobenzene	5.000	UG/KG	5.000	4.0	8.0	U		TF2001
TF79	000328	20010718	Chlorobenzene	5.000	UG/KG	5.000	28.0	32.0	U		TF2001
TF79	000325	20010718	Chlorobenzene	5.000	UG/KG	5.000	16.0	20.0	U		TF2001
TF78	000221	20010710	Chlorobenzene	5.000	UG/KG	5.000	32.0	36.0	U		TF2001

Location_na	Sample_i	Collection_	Value_name	Measured_	Value_u	Detection_	Start_d	End_	Lab	Dat	Project_code
TF78	000215	20010710	Chlorobenzene	5.000	UG/KG	5.000	8.0	12.0	U		TF2001
TF78	000213	20010710	Chlorobenzene	5.000	UG/KG	5.000	4.0	8.0	U		TF2001
TF76	000127	20010718	Chlorobenzene	5.000	UG/KG	5.000	12.0	16.0	U		TF2001
SGC059	A13059	19960208	Chlorobenzene	5.000	UG/KG	5.000	0.0	3.0	U		SGCSP
TF85	000288	20010716	Chlorobenzene	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF85	000284	20010716	Chlorobenzene	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF85	000281	20010716	Chlorobenzene	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF82	000244	20010712	Chlorobenzene	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF82	000246	20010712	Chlorobenzene	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF82	000247	20010712	Chlorobenzene	6.000	UG/KG	6.000	16.0	20.0	U	UJ	TF2001
TF82	000243	20010712	Chlorobenzene	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF82	000248	20010712	Chlorobenzene	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF82	000245	20010712	Chlorobenzene	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF82	000249	20010712	Chlorobenzene	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF82	000250	20010712	Chlorobenzene	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF81	000228	20010711	Chlorobenzene	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF81	000254	20010712	Chlorobenzene	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF81	000252	20010712	Chlorobenzene	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF81	000251	20010712	Chlorobenzene	6.000	UG/KG	6.000	0.0	4.0	U	UJ	TF2001
TF81	000259	20010712	Chlorobenzene	6.000	UG/KG	6.000	28.0	32.0	U		TF2001
TF81	000253	20010712	Chlorobenzene	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF81	000255	20010712	Chlorobenzene	6.000	UG/KG	6.000	12.0	16.0	U	UJ	TF2001
TF81	000257	20010712	Chlorobenzene	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF81	000258	20010712	Chlorobenzene	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF81	000256	20010712	Chlorobenzene	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF79	000326	20010718	Chlorobenzene	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF79	000324	20010718	Chlorobenzene	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF79	000323	20010718	Chlorobenzene	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF79	000329	20010718	Chlorobenzene	6.000	UG/KG	6.000	32.0	36.0	U		TF2001
TF78	000214	20010710	Chlorobenzene	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF78	000217	20010710	Chlorobenzene	6.000	UG/KG	6.000	16.0	20.0	U	UJ	TF2001
TF78	000218	20010710	Chlorobenzene	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF78	000219	20010710	Chlorobenzene	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF78	000216	20010710	Chlorobenzene	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF78	000220	20010710	Chlorobenzene	6.000	UG/KG	6.000	28.0	32.0	U		TF2001
TF78	000212	20010710	Chlorobenzene	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF76	000126	20010720	Chlorobenzene	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF76	000124	20010718	Chlorobenzene	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF76	000123	20010718	Chlorobenzene	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF76	000125	20010718	Chlorobenzene	6.000	UG/KG	6.000	8.0	12.0	U	UJ	TF2001

Location_na	Sample_i	Collection_	Value_name	Measured_	Value_u	Detection_	Start_d	End_	Lab	Dat	Project_code
TF75	000331	20010718	Chlorobenzene	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF75	000333	20010718	Chlorobenzene	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF75	000334	20010718	Chlorobenzene	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF75	000335	20010718	Chlorobenzene	6.000	UG/KG	6.000	16.0	20.0	U	UJ	TF2001
TF75	000332	20010718	Chlorobenzene	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF75	000339	20010718	Chlorobenzene	6.000	UG/KG	6.000	32.0	36.0	U		TF2001
TF75	000338	20010718	Chlorobenzene	6.000	UG/KG	6.000	28.0	32.0	U	UJ	TF2001
TF75	000336	20010718	Chlorobenzene	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF75	000337	20010720	Chlorobenzene	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF75	000330	20010718	Chlorobenzene	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
SGC058	A13058	19960221	Chlorobenzene	6.000	UG/KG	6.000	0.0	0.0	U		SGCSP
SGC056	A13056	19960208	Chlorobenzene	6.000	UG/KG	6.000	0.0	1.5	U		SGCSP
SGC061	A13061	19960208	Chlorobenzene	6.000	UG/KG	6.000	0.0	3.0	U		SGCSP
SGC061	A13061	19960208	Chlorobenzene	1400.000	UG/KG	1400.000	0.0	3.0	U		SGCSP
TF85	000287	20010716	Chloroethane	9.000	UG/KG	9.000	20.0	24.0	U		TF2001
TF85	000286	20010716	Chloroethane	10.000	UG/KG	10.000	16.0	20.0	U		TF2001
TF85	000289	20010716	Chloroethane	10.000	UG/KG	10.000	28.0	30.0	U		TF2001
TF85	000285	20010716	Chloroethane	10.000	UG/KG	10.000	16.0	20.0	U		TF2001
TF85	000283	20010716	Chloroethane	10.000	UG/KG	10.000	8.0	12.0	U		TF2001
TF85	000282	20010716	Chloroethane	10.000	UG/KG	10.000	4.0	8.0	U		TF2001
TF79	000321	20010718	Chloroethane	10.000	UG/KG	10.000	0.0	4.0	U		TF2001
TF79	000327	20010718	Chloroethane	10.000	UG/KG	10.000	24.0	28.0	U		TF2001
TF79	000320	20010718	Chloroethane	10.000	UG/KG	10.000	0.0	4.0	U		TF2001
TF79	000322	20010718	Chloroethane	10.000	UG/KG	10.000	4.0	8.0	U		TF2001
TF79	000328	20010718	Chloroethane	10.000	UG/KG	10.000	28.0	32.0	U		TF2001
TF79	000325	20010718	Chloroethane	10.000	UG/KG	10.000	16.0	20.0	U		TF2001
TF78	000221	20010710	Chloroethane	10.000	UG/KG	10.000	32.0	36.0	U		TF2001
TF78	000215	20010710	Chloroethane	10.000	UG/KG	10.000	8.0	12.0	U		TF2001
TF78	000213	20010710	Chloroethane	10.000	UG/KG	10.000	4.0	8.0	U		TF2001
TF76	000127	20010718	Chloroethane	10.000	UG/KG	10.000	12.0	16.0	U		TF2001
SGC059	A13059	19960208	Chloroethane	10.000	UG/KG	10.000	0.0	3.0	U		SGCSP
TF85	000288	20010716	Chloroethane	11.000	UG/KG	11.000	24.0	28.0	U		TF2001
TF85	000281	20010716	Chloroethane	11.000	UG/KG	11.000	0.0	4.0	U		TF2001
TF82	000244	20010712	Chloroethane	11.000	UG/KG	11.000	0.0	4.0	U		TF2001
TF82	000246	20010712	Chloroethane	11.000	UG/KG	11.000	8.0	12.0	U		TF2001
TF82	000247	20010712	Chloroethane	11.000	UG/KG	11.000	16.0	20.0	U		TF2001
TF82	000243	20010712	Chloroethane	11.000	UG/KG	11.000	0.0	4.0	U		TF2001
TF82	000248	20010712	Chloroethane	11.000	UG/KG	11.000	16.0	20.0	U		TF2001
TF82	000245	20010712	Chloroethane	11.000	UG/KG	11.000	4.0	8.0	U		TF2001
TF82	000249	20010712	Chloroethane	11.000	UG/KG	11.000	20.0	24.0	U		TF2001

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Location_na	Sample_i	Collection_	Value_name	Measured_	Value_u	Detection_	Start_d	End_	Lab	Dat	Project_code
TF82	000250	20010712	Chloroethane	11.000	UG/KG	11.000	24.0	28.0	U		TF2001
TF81	000228	20010711	Chloroethane	11.000	UG/KG	11.000	12.0	16.0	U		TF2001
TF81	000252	20010712	Chloroethane	11.000	UG/KG	11.000	4.0	8.0	U		TF2001
TF81	000251	20010712	Chloroethane	11.000	UG/KG	11.000	0.0	4.0	U		TF2001
TF81	000259	20010712	Chloroethane	11.000	UG/KG	11.000	28.0	32.0	U		TF2001
TF81	000253	20010712	Chloroethane	11.000	UG/KG	11.000	8.0	12.0	U		TF2001
TF81	000255	20010712	Chloroethane	11.000	UG/KG	11.000	12.0	16.0	U		TF2001
TF81	000258	20010712	Chloroethane	11.000	UG/KG	11.000	24.0	28.0	U		TF2001
TF81	000256	20010712	Chloroethane	11.000	UG/KG	11.000	16.0	20.0	U		TF2001
TF79	000326	20010718	Chloroethane	11.000	UG/KG	11.000	20.0	24.0	U		TF2001
TF79	000324	20010718	Chloroethane	11.000	UG/KG	11.000	12.0	16.0	U		TF2001
TF79	000323	20010718	Chloroethane	11.000	UG/KG	11.000	8.0	12.0	U		TF2001
TF79	000329	20010718	Chloroethane	11.000	UG/KG	11.000	32.0	36.0	U		TF2001
TF78	000214	20010710	Chloroethane	11.000	UG/KG	11.000	4.0	8.0	U		TF2001
TF78	000217	20010710	Chloroethane	11.000	UG/KG	11.000	16.0	20.0	U		TF2001
TF78	000218	20010710	Chloroethane	11.000	UG/KG	11.000	20.0	24.0	U		TF2001
TF78	000219	20010710	Chloroethane	11.000	UG/KG	11.000	24.0	28.0	U		TF2001
TF78	000216	20010710	Chloroethane	11.000	UG/KG	11.000	12.0	16.0	U		TF2001
TF78	000220	20010710	Chloroethane	11.000	UG/KG	11.000	28.0	32.0	U		TF2001
TF78	000212	20010710	Chloroethane	11.000	UG/KG	11.000	0.0	4.0	U		TF2001
TF76	000126	20010720	Chloroethane	11.000	UG/KG	11.000	8.0	12.0	U		TF2001
TF76	000124	20010718	Chloroethane	11.000	UG/KG	11.000	4.0	8.0	U		TF2001
TF76	000123	20010718	Chloroethane	11.000	UG/KG	11.000	0.0	4.0	U		TF2001
TF76	000125	20010718	Chloroethane	11.000	UG/KG	11.000	8.0	12.0	U		TF2001
TF75	000331	20010718	Chloroethane	11.000	UG/KG	11.000	0.0	4.0	U		TF2001
TF75	000333	20010718	Chloroethane	11.000	UG/KG	11.000	8.0	12.0	U		TF2001
TF75	000335	20010718	Chloroethane	11.000	UG/KG	11.000	16.0	20.0	U		TF2001
TF75	000332	20010718	Chloroethane	11.000	UG/KG	11.000	4.0	8.0	U		TF2001
TF75	000338	20010718	Chloroethane	11.000	UG/KG	11.000	28.0	32.0	U	UJ	TF2001
TF75	000337	20010720	Chloroethane	11.000	UG/KG	11.000	24.0	28.0	U		TF2001
TF75	000330	20010718	Chloroethane	11.000	UG/KG	11.000	0.0	4.0	U		TF2001
SGC058	A13058	19960221	Chloroethane	11.000	UG/KG	11.000	0.0	0.0	U		SGCSP
SGC056	A13056	19960208	Chloroethane	11.000	UG/KG	11.000	0.0	1.5	U		SGCSP
SGC061	A13061	19960208	Chloroethane	11.000	UG/KG	11.000	0.0	3.0	U		SGCSP
TF81	000254	20010712	Chloroethane	12.000	UG/KG	12.000	8.0	12.0	U		TF2001
TF81	000257	20010712	Chloroethane	12.000	UG/KG	12.000	20.0	24.0	U		TF2001
TF75	000334	20010718	Chloroethane	12.000	UG/KG	12.000	12.0	16.0	U		TF2001
TF75	000339	20010718	Chloroethane	12.000	UG/KG	12.000	32.0	36.0	U		TF2001
TF75	000336	20010718	Chloroethane	12.000	UG/KG	12.000	20.0	24.0	U		TF2001
TF85	000284	20010716	Chloroethane	13.000	UG/KG	13.000	12.0	16.0	U		TF2001

Location_na	Sample_i	Collection_	Value_name	Measured_	Value_u	Detection_	Start_d	End_	Lab Dat	Project_code
SGC061	A13061	19960208	Chloroethane	2800.000	UG/KG	2800.000	0.0	3.0	U	SGCSP
SGC059	A13059	19960208	Chloroform	5.000	UG/KG	5.000	0.0	3.0	U	SGCSP
SGC058	A13058	19960221	Chloroform	6.000	UG/KG	6.000	0.0	0.0	U	SGCSP
SGC056	A13056	19960208	Chloroform	6.000	UG/KG	6.000	0.0	1.5	U	SGCSP
SGC061	A13061	19960208	Chloroform	6.000	UG/KG	6.000	0.0	3.0	U	SGCSP
SGC061	A13061	19960208	Chloroform	1400.000	UG/KG	1400.000	0.0	3.0	U	SGCSP
TF85	000286	20010716	Chloroform (Trichloromethane)	5.000	UG/KG	5.000	16.0	20.0	U	TF2001
TF85	000287	20010716	Chloroform (Trichloromethane)	5.000	UG/KG	5.000	20.0	24.0	U	TF2001
TF85	000289	20010716	Chloroform (Trichloromethane)	5.000	UG/KG	5.000	28.0	30.0	U	TF2001
TF85	000285	20010716	Chloroform (Trichloromethane)	5.000	UG/KG	5.000	16.0	20.0	U	TF2001
TF85	000283	20010716	Chloroform (Trichloromethane)	5.000	UG/KG	5.000	8.0	12.0	U	TF2001
TF85	000282	20010716	Chloroform (Trichloromethane)	5.000	UG/KG	5.000	4.0	8.0	U	TF2001
TF79	000321	20010718	Chloroform (Trichloromethane)	5.000	UG/KG	5.000	0.0	4.0	U	TF2001
TF79	000327	20010718	Chloroform (Trichloromethane)	5.000	UG/KG	5.000	24.0	28.0	U	TF2001
TF79	000320	20010718	Chloroform (Trichloromethane)	5.000	UG/KG	5.000	0.0	4.0	U	TF2001
TF79	000322	20010718	Chloroform (Trichloromethane)	5.000	UG/KG	5.000	4.0	8.0	U	TF2001
TF79	000328	20010718	Chloroform (Trichloromethane)	5.000	UG/KG	5.000	28.0	32.0	U	TF2001
TF79	000325	20010718	Chloroform (Trichloromethane)	5.000	UG/KG	5.000	16.0	20.0	U	TF2001
TF78	000221	20010710	Chloroform (Trichloromethane)	5.000	UG/KG	5.000	32.0	36.0	U	TF2001
TF78	000215	20010710	Chloroform (Trichloromethane)	5.000	UG/KG	5.000	8.0	12.0	U	TF2001
TF78	000213	20010710	Chloroform (Trichloromethane)	5.000	UG/KG	5.000	4.0	8.0	U	TF2001
TF76	000127	20010718	Chloroform (Trichloromethane)	5.000	UG/KG	5.000	12.0	16.0	U	TF2001
TF85	000288	20010716	Chloroform (Trichloromethane)	6.000	UG/KG	6.000	24.0	28.0	U	TF2001
TF85	000284	20010716	Chloroform (Trichloromethane)	6.000	UG/KG	6.000	12.0	16.0	U	TF2001
TF85	000281	20010716	Chloroform (Trichloromethane)	6.000	UG/KG	6.000	0.0	4.0	U	TF2001
TF82	000244	20010712	Chloroform (Trichloromethane)	6.000	UG/KG	6.000	0.0	4.0	U	TF2001
TF82	000246	20010712	Chloroform (Trichloromethane)	6.000	UG/KG	6.000	8.0	12.0	U	TF2001
TF82	000247	20010712	Chloroform (Trichloromethane)	6.000	UG/KG	6.000	16.0	20.0	U	TF2001
TF82	000243	20010712	Chloroform (Trichloromethane)	6.000	UG/KG	6.000	0.0	4.0	U	TF2001
TF82	000248	20010712	Chloroform (Trichloromethane)	6.000	UG/KG	6.000	16.0	20.0	U	TF2001
TF82	000245	20010712	Chloroform (Trichloromethane)	6.000	UG/KG	6.000	4.0	8.0	U	TF2001
TF82	000249	20010712	Chloroform (Trichloromethane)	6.000	UG/KG	6.000	20.0	24.0	U	TF2001
TF82	000250	20010712	Chloroform (Trichloromethane)	6.000	UG/KG	6.000	24.0	28.0	U	TF2001
TF81	000228	20010711	Chloroform (Trichloromethane)	6.000	UG/KG	6.000	12.0	16.0	U	TF2001
TF81	000254	20010712	Chloroform (Trichloromethane)	6.000	UG/KG	6.000	8.0	12.0	U	TF2001
TF81	000252	20010712	Chloroform (Trichloromethane)	6.000	UG/KG	6.000	4.0	8.0	U	TF2001
TF81	000251	20010712	Chloroform (Trichloromethane)	6.000	UG/KG	6.000	0.0	4.0	U	TF2001
TF81	000259	20010712	Chloroform (Trichloromethane)	6.000	UG/KG	6.000	28.0	32.0	U	TF2001
TF81	000253	20010712	Chloroform (Trichloromethane)	6.000	UG/KG	6.000	8.0	12.0	U	TF2001
TF81	000255	20010712	Chloroform (Trichloromethane)	6.000	UG/KG	6.000	12.0	16.0	U	TF2001

Location_na	Sample_i	Collection_	Value_name	Measured_	Value_u	Detection_	Start_d	End_	Lab Dat	Project_code
TF81	000257	20010712	Chloroform (Trichloromethane)	6.000	UG/KG	6.000	20.0	24.0	U	TF2001
TF81	000258	20010712	Chloroform (Trichloromethane)	6.000	UG/KG	6.000	24.0	28.0	U	TF2001
TF81	000256	20010712	Chloroform (Trichloromethane)	6.000	UG/KG	6.000	16.0	20.0	U	TF2001
TF79	000326	20010718	Chloroform (Trichloromethane)	6.000	UG/KG	6.000	20.0	24.0	U	TF2001
TF79	000324	20010718	Chloroform (Trichloromethane)	6.000	UG/KG	6.000	12.0	16.0	U	TF2001
TF79	000323	20010718	Chloroform (Trichloromethane)	6.000	UG/KG	6.000	8.0	12.0	U	TF2001
TF79	000329	20010718	Chloroform (Trichloromethane)	6.000	UG/KG	6.000	32.0	36.0	U	TF2001
TF78	000214	20010710	Chloroform (Trichloromethane)	6.000	UG/KG	6.000	4.0	8.0	U	TF2001
TF78	000217	20010710	Chloroform (Trichloromethane)	6.000	UG/KG	6.000	16.0	20.0	U	TF2001
TF78	000218	20010710	Chloroform (Trichloromethane)	6.000	UG/KG	6.000	20.0	24.0	U	TF2001
TF78	000219	20010710	Chloroform (Trichloromethane)	6.000	UG/KG	6.000	24.0	28.0	U	TF2001
TF78	000216	20010710	Chloroform (Trichloromethane)	6.000	UG/KG	6.000	12.0	16.0	U	TF2001
TF78	000220	20010710	Chloroform (Trichloromethane)	6.000	UG/KG	6.000	28.0	32.0	U	TF2001
TF78	000212	20010710	Chloroform (Trichloromethane)	6.000	UG/KG	6.000	0.0	4.0	U	TF2001
TF76	000126	20010720	Chloroform (Trichloromethane)	6.000	UG/KG	6.000	8.0	12.0	U	TF2001
TF76	000124	20010718	Chloroform (Trichloromethane)	6.000	UG/KG	6.000	4.0	8.0	U	TF2001
TF76	000123	20010718	Chloroform (Trichloromethane)	6.000	UG/KG	6.000	0.0	4.0	U	TF2001
TF76	000125	20010718	Chloroform (Trichloromethane)	6.000	UG/KG	6.000	8.0	12.0	U	TF2001
TF75	000331	20010718	Chloroform (Trichloromethane)	6.000	UG/KG	6.000	0.0	4.0	U	TF2001
TF75	000333	20010718	Chloroform (Trichloromethane)	6.000	UG/KG	6.000	8.0	12.0	U	TF2001
TF75	000334	20010718	Chloroform (Trichloromethane)	6.000	UG/KG	6.000	12.0	16.0	U	TF2001
TF75	000335	20010718	Chloroform (Trichloromethane)	6.000	UG/KG	6.000	16.0	20.0	U	TF2001
TF75	000332	20010718	Chloroform (Trichloromethane)	6.000	UG/KG	6.000	4.0	8.0	U	TF2001
TF75	000339	20010718	Chloroform (Trichloromethane)	6.000	UG/KG	6.000	32.0	36.0	U	TF2001
TF75	000338	20010718	Chloroform (Trichloromethane)	6.000	UG/KG	6.000	28.0	32.0	U UJ	TF2001
TF75	000336	20010718	Chloroform (Trichloromethane)	6.000	UG/KG	6.000	20.0	24.0	U	TF2001
TF75	000337	20010720	Chloroform (Trichloromethane)	6.000	UG/KG	6.000	24.0	28.0	U	TF2001
TF75	000330	20010718	Chloroform (Trichloromethane)	6.000	UG/KG	6.000	0.0	4.0	U	TF2001
TF85	000287	20010716	Chloromethane	9.000	UG/KG	9.000	20.0	24.0	U	TF2001
TF85	000286	20010716	Chloromethane	10.000	UG/KG	10.000	16.0	20.0	U	TF2001
TF85	000289	20010716	Chloromethane	10.000	UG/KG	10.000	28.0	30.0	U	TF2001
TF85	000285	20010716	Chloromethane	10.000	UG/KG	10.000	16.0	20.0	U	TF2001
TF85	000283	20010716	Chloromethane	10.000	UG/KG	10.000	8.0	12.0	U	TF2001
TF85	000282	20010716	Chloromethane	10.000	UG/KG	10.000	4.0	8.0	U	TF2001
TF79	000321	20010718	Chloromethane	10.000	UG/KG	10.000	0.0	4.0	U	TF2001
TF79	000327	20010718	Chloromethane	10.000	UG/KG	10.000	24.0	28.0	U	TF2001
TF79	000320	20010718	Chloromethane	10.000	UG/KG	10.000	0.0	4.0	U	TF2001
TF79	000322	20010718	Chloromethane	10.000	UG/KG	10.000	4.0	8.0	U	TF2001
TF79	000328	20010718	Chloromethane	10.000	UG/KG	10.000	28.0	32.0	U	TF2001
TF79	000325	20010718	Chloromethane	10.000	UG/KG	10.000	16.0	20.0	U	TF2001

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Location_na	Sample_i	Collection_	Value_name	Measured_	Value_u	Detection_	Start_d	End_	Lab Dat	Project_code
TF78	000221	20010710	Chloromethane	10.000	UG/KG	10.000	32.0	36.0	U	TF2001
TF78	000215	20010710	Chloromethane	10.000	UG/KG	10.000	8.0	12.0	U	TF2001
TF78	000213	20010710	Chloromethane	10.000	UG/KG	10.000	4.0	8.0	U	TF2001
TF76	000127	20010718	Chloromethane	10.000	UG/KG	10.000	12.0	16.0	U	TF2001
SGC059	A13059	19960208	Chloromethane	10.000	UG/KG	10.000	0.0	3.0	U	SGCSP
TF85	000288	20010716	Chloromethane	11.000	UG/KG	11.000	24.0	28.0	U	TF2001
TF85	000281	20010716	Chloromethane	11.000	UG/KG	11.000	0.0	4.0	U	TF2001
TF82	000244	20010712	Chloromethane	11.000	UG/KG	11.000	0.0	4.0	U	TF2001
TF82	000246	20010712	Chloromethane	11.000	UG/KG	11.000	8.0	12.0	U	TF2001
TF82	000247	20010712	Chloromethane	11.000	UG/KG	11.000	16.0	20.0	U	TF2001
TF82	000243	20010712	Chloromethane	11.000	UG/KG	11.000	0.0	4.0	U	TF2001
TF82	000248	20010712	Chloromethane	11.000	UG/KG	11.000	16.0	20.0	U	TF2001
TF82	000245	20010712	Chloromethane	11.000	UG/KG	11.000	4.0	8.0	U	TF2001
TF82	000249	20010712	Chloromethane	11.000	UG/KG	11.000	20.0	24.0	U	TF2001
TF82	000250	20010712	Chloromethane	11.000	UG/KG	11.000	24.0	28.0	U	TF2001
TF81	000228	20010711	Chloromethane	11.000	UG/KG	11.000	12.0	16.0	U	TF2001
TF81	000252	20010712	Chloromethane	11.000	UG/KG	11.000	4.0	8.0	U	TF2001
TF81	000251	20010712	Chloromethane	11.000	UG/KG	11.000	0.0	4.0	U	TF2001
TF81	000259	20010712	Chloromethane	11.000	UG/KG	11.000	28.0	32.0	U	TF2001
TF81	000253	20010712	Chloromethane	11.000	UG/KG	11.000	8.0	12.0	U	TF2001
TF81	000255	20010712	Chloromethane	11.000	UG/KG	11.000	12.0	16.0	U	TF2001
TF81	000258	20010712	Chloromethane	11.000	UG/KG	11.000	24.0	28.0	U	TF2001
TF81	000256	20010712	Chloromethane	11.000	UG/KG	11.000	16.0	20.0	U	TF2001
TF79	000326	20010718	Chloromethane	11.000	UG/KG	11.000	20.0	24.0	U	TF2001
TF79	000324	20010718	Chloromethane	11.000	UG/KG	11.000	12.0	16.0	U	TF2001
TF79	000323	20010718	Chloromethane	11.000	UG/KG	11.000	8.0	12.0	U	TF2001
TF79	000329	20010718	Chloromethane	11.000	UG/KG	11.000	32.0	36.0	U	TF2001
TF78	000214	20010710	Chloromethane	11.000	UG/KG	11.000	4.0	8.0	U	TF2001
TF78	000217	20010710	Chloromethane	11.000	UG/KG	11.000	16.0	20.0	U	TF2001
TF78	000218	20010710	Chloromethane	11.000	UG/KG	11.000	20.0	24.0	U	TF2001
TF78	000219	20010710	Chloromethane	11.000	UG/KG	11.000	24.0	28.0	U	TF2001
TF78	000216	20010710	Chloromethane	11.000	UG/KG	11.000	12.0	16.0	U	TF2001
TF78	000220	20010710	Chloromethane	11.000	UG/KG	11.000	28.0	32.0	U	TF2001
TF78	000212	20010710	Chloromethane	11.000	UG/KG	11.000	0.0	4.0	U	TF2001
TF76	000126	20010720	Chloromethane	11.000	UG/KG	11.000	8.0	12.0	U	TF2001
TF76	000124	20010718	Chloromethane	11.000	UG/KG	11.000	4.0	8.0	U	TF2001
TF76	000123	20010718	Chloromethane	11.000	UG/KG	11.000	0.0	4.0	U	TF2001
TF76	000125	20010718	Chloromethane	11.000	UG/KG	11.000	8.0	12.0	U	TF2001
TF75	000331	20010718	Chloromethane	11.000	UG/KG	11.000	0.0	4.0	U	TF2001
TF75	000333	20010718	Chloromethane	11.000	UG/KG	11.000	8.0	12.0	U	TF2001

Location_na	Sample_i	Collection_	Value_name	Measured_	Value_u	Detection_	Start_d	End_	Lab	Dat	Project_code
TF75	000335	20010718	Chloromethane	11.000	UG/KG	11.000	16.0	20.0	U		TF2001
TF75	000332	20010718	Chloromethane	11.000	UG/KG	11.000	4.0	8.0	U		TF2001
TF75	000338	20010718	Chloromethane	11.000	UG/KG	11.000	28.0	32.0	U	UJ	TF2001
TF75	000337	20010720	Chloromethane	11.000	UG/KG	11.000	24.0	28.0	U		TF2001
TF75	000330	20010718	Chloromethane	11.000	UG/KG	11.000	0.0	4.0	U		TF2001
SGC058	A13058	19960221	Chloromethane	11.000	UG/KG	11.000	0.0	0.0	U		SGCSP
SGC056	A13056	19960208	Chloromethane	11.000	UG/KG	11.000	0.0	1.5	U		SGCSP
SGC061	A13061	19960208	Chloromethane	11.000	UG/KG	11.000	0.0	3.0	U		SGCSP
TF81	000254	20010712	Chloromethane	12.000	UG/KG	12.000	8.0	12.0	U		TF2001
TF81	000257	20010712	Chloromethane	12.000	UG/KG	12.000	20.0	24.0	U		TF2001
TF75	000334	20010718	Chloromethane	12.000	UG/KG	12.000	12.0	16.0	U		TF2001
TF75	000339	20010718	Chloromethane	12.000	UG/KG	12.000	32.0	36.0	U		TF2001
TF75	000336	20010718	Chloromethane	12.000	UG/KG	12.000	20.0	24.0	U		TF2001
TF85	000284	20010716	Chloromethane	13.000	UG/KG	13.000	12.0	16.0	U		TF2001
SGC061	A13061	19960208	Chloromethane	2800.000	UG/KG	2800.000	0.0	3.0	U		SGCSP
SGC056	A13056	19960208	Chrysene	350.000	UG/KG	350.000	0.0	1.5	U		SGCSP
SGC059	A13059	19960208	Chrysene	360.000	UG/KG	360.000	0.0	3.0	U		SGCSP
SGC061	A13061	19960208	Chrysene	370.000	UG/KG	370.000	0.0	3.0	U		SGCSP
TF79	000323	20010718	Cobalt-60	0.028	PCI/G	0.028	8.0	12.0	U		TF2001
TF85	000289	20010716	Cobalt-60	0.030	PCI/G	0.030	28.0	30.0	U		TF2001
TF82	000248	20010712	Cobalt-60	0.031	PCI/G	0.031	16.0	20.0	U		TF2001
TF75	000336	20010718	Cobalt-60	0.035	PCI/G	0.035	20.0	24.0	U		TF2001
TF81	000252	20010712	Cobalt-60	0.037	PCI/G	0.037	4.0	8.0	U		TF2001
TF79	000326	20010718	Cobalt-60	0.038	PCI/G	0.038	20.0	24.0	U		TF2001
TF85	000282	20010716	Cobalt-60	0.038	PCI/G	0.038	4.0	8.0	U		TF2001
TF81	000254	20010712	Cobalt-60	0.039	PCI/G	0.039	8.0	12.0	U		TF2001
TF79	000325	20010718	Cobalt-60	0.039	PCI/G	0.039	16.0	20.0	U		TF2001
TF78	000213	20010710	Cobalt-60	0.039	PCI/G	0.039	4.0	8.0	U		TF2001
TF78	000220	20010710	Cobalt-60	0.040	PCI/G	0.040	28.0	32.0	U		TF2001
TF85	000284	20010716	Cobalt-60	0.040	PCI/G	0.040	12.0	16.0	U		TF2001
TF81	000255	20010712	Cobalt-60	0.040	PCI/G	0.040	12.0	16.0	U		TF2001
TF79	000322	20010718	Cobalt-60	0.041	PCI/G	0.041	4.0	8.0	U		TF2001
TF79	000329	20010718	Cobalt-60	0.042	PCI/G	0.042	32.0	36.0	U		TF2001
TF82	000245	20010712	Cobalt-60	0.042	PCI/G	0.042	4.0	8.0	U		TF2001
TF76	000127	20010718	Cobalt-60	0.042	PCI/G	0.042	12.0	16.0	U		TF2001
TF85	000286	20010716	Cobalt-60	0.044	PCI/G	0.044	16.0	20.0	U		TF2001
TF78	000215	20010710	Cobalt-60	0.044	PCI/G	0.044	8.0	12.0	U		TF2001
TF79	000321	20010718	Cobalt-60	0.044	PCI/G	0.044	0.0	4.0	U		TF2001
TF82	000247	20010712	Cobalt-60	0.044	PCI/G	0.044	16.0	20.0	U		TF2001
TF82	000243	20010712	Cobalt-60	0.045	PCI/G	0.045	0.0	4.0	U		TF2001

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Location_na	Sample_i	Collection_	Value_name	Measured_	Value_u	Detection_	Start_d	End_	Lab Dat	Project_code
TF85	000281	20010716	Cobalt-60	0.047	PCI/G	0.047	0.0	4.0	U	TF2001
TF82	000249	20010712	Cobalt-60	0.047	PCI/G	0.047	20.0	24.0	U	TF2001
TF81	000251	20010712	Cobalt-60	0.047	PCI/G	0.047	0.0	4.0	U	TF2001
TF75	000332	20010718	Cobalt-60	0.047	PCI/G	0.047	4.0	8.0	U	TF2001
TF55	000026	20010706	Cobalt-60	0.048	PCI/G	0.048	0.0	4.0	U	TF2001
TF75	000333	20010718	Cobalt-60	0.048	PCI/G	0.048	8.0	12.0	U	TF2001
TF81	000257	20010712	Cobalt-60	0.048	PCI/G	0.048	20.0	24.0	U	TF2001
TF76	000124	20010718	Cobalt-60	0.049	PCI/G	0.049	4.0	8.0	U	TF2001
TF79	000320	20010718	Cobalt-60	0.049	PCI/G	0.049	0.0	4.0	U	TF2001
TF75	000331	20010718	Cobalt-60	0.050	PCI/G	0.050	0.0	4.0	U	TF2001
TF81	000258	20010712	Cobalt-60	0.050	PCI/G	0.050	24.0	28.0	U	TF2001
TF75	000335	20010718	Cobalt-60	0.051	PCI/G	0.051	16.0	20.0	U	TF2001
TF75	000338	20010718	Cobalt-60	0.051	PCI/G	0.051	28.0	32.0	U	TF2001
TF78	000216	20010710	Cobalt-60	0.051	PCI/G	0.051	12.0	16.0	U	TF2001
TF78	000217	20010710	Cobalt-60	0.051	PCI/G	0.051	16.0	20.0	U	TF2001
TF81	000259	20010712	Cobalt-60	0.052	PCI/G	0.052	28.0	32.0	U	TF2001
TF79	000327	20010718	Cobalt-60	0.053	PCI/G	0.053	24.0	28.0	U	TF2001
TF82	000244	20010712	Cobalt-60	0.053	PCI/G	0.053	0.0	4.0	U	TF2001
TF62	000053	20010709	Cobalt-60	0.055	PCI/G	0.055	0.0	4.0	U	TF2001
TF85	000287	20010716	Cobalt-60	0.055	PCI/G	0.055	20.0	24.0	U	TF2001
TF79	000324	20010718	Cobalt-60	0.056	PCI/G	0.056	12.0	16.0	U	TF2001
TF58	000051	20010709	Cobalt-60	0.057	PCI/G	0.057	0.0	4.0	U	TF2001
TF82	000250	20010712	Cobalt-60	0.057	PCI/G	0.057	24.0	28.0	U	TF2001
TF50	000022	20010706	Cobalt-60	0.058	PCI/G	0.058	0.0	4.0	U	TF2001
TF78	000218	20010710	Cobalt-60	0.059	PCI/G	0.059	20.0	24.0	U	TF2001
TF81	000256	20010712	Cobalt-60	0.060	PCI/G	0.060	16.0	20.0	U	TF2001
TF78	000212	20010710	Cobalt-60	0.060	PCI/G	0.060	0.0	4.0	U	TF2001
TF75	000339	20010718	Cobalt-60	0.061	PCI/G	0.061	32.0	36.0	U	TF2001
TF59	000054	20010709	Cobalt-60	0.061	PCI/G	0.061	0.0	4.0	U	TF2001
TF76	000123	20010718	Cobalt-60	0.062	PCI/G	0.062	0.0	4.0	U	TF2001
TF75	000337	20010720	Cobalt-60	0.062	PCI/G	0.062	24.0	28.0	U	TF2001
TF79	000328	20010718	Cobalt-60	0.064	PCI/G	0.064	28.0	32.0	U	TF2001
TF85	000288	20010716	Cobalt-60	0.064	PCI/G	0.064	24.0	28.0	U	TF2001
TF78	000221	20010710	Cobalt-60	0.064	PCI/G	0.064	32.0	36.0	U	TF2001
TF78	000212	20010710	Cobalt-60	0.064	PCI/G	0.064	0.0	4.0	U	TF2001
TF82	000246	20010712	Cobalt-60	0.065	PCI/G	0.065	8.0	12.0	U	TF2001
TF85	000285	20010716	Cobalt-60	0.068	PCI/G	0.068	16.0	20.0	U	TF2001
TF56	000047	20010709	Cobalt-60	0.069	PCI/G	0.069	0.0	4.0	U	TF2001
TF81	000253	20010712	Cobalt-60	0.070	PCI/G	0.070	8.0	12.0	U	TF2001
TF85	000283	20010716	Cobalt-60	0.071	PCI/G	0.071	8.0	12.0	U	TF2001

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Location_na	Sample_i	Collection_	Value_name	Measured_	Value_u	Detection_	Start_d	End_	Lab Dat	Project_code
TF75	000334	20010718	Cobalt-60	0.071	PCI/G	0.071	12.0	16.0	U	TF2001
TF76	000125	20010718	Cobalt-60	0.074	PCI/G	0.074	8.0	12.0	U	TF2001
TF78	000214	20010710	Cobalt-60	0.075	PCI/G	0.075	4.0	8.0	U	TF2001
TF52	000023	20010706	Cobalt-60	0.078	PCI/G	0.078	0.0	4.0	U	TF2001
TF75	000330	20010718	Cobalt-60	0.080	PCI/G	0.080	0.0	4.0	U	TF2001
TF75	000330	20010718	Cobalt-60	0.083	PCI/G	0.083	0.0	4.0	U	TF2001
TF81	000228	20010711	Cobalt-60	0.092	PCI/G	0.092	12.0	16.0	U	TF2001
SGC058	A13058	19960221	Cobalt-60	0.098	PCI/G	0.098	0.0	0.0	U	SGCSP
SGC056	A13056	19960208	Cobalt-60	0.115	PCI/G	0.115	0.0	1.5	U	SGCSP
SGC061	A13061	19960208	Cobalt-60	0.129	PCI/G	0.129	0.0	3.0	U	SGCSP
SGC059	A13059	19960208	Cobalt-60	0.154	PCI/G	0.154	0.0	3.0	U	SGCSP
SGC056	A13056	19960208	Cyanide	0.520	MG/KG		0.0	1.5	U	SGCSP
SGC058	A13058	19960221	Cyanide	0.530	MG/KG		0.0	0.0	U	SGCSP
SGC059	A13059	19960208	Cyanide	0.540	MG/KG		0.0	3.0	U	SGCSP
SGC061	A13061	19960208	Cyanide	0.550	MG/KG		0.0	3.0	U	SGCSP
SGC056	A13056	19960208	Delta-BHC	1.700	UG/KG	1.700	0.0	1.5	U	SGCSP
SGC059	A13059	19960208	Delta-BHC	1.800	UG/KG	1.800	0.0	3.0	U	SGCSP
SGC058	A13058	19960221	Delta-BHC	1.800	UG/KG	1.800	0.0	0.0	U	SGCSP
SGC061	A13061	19960208	Delta-BHC	1.800	UG/KG	1.800	0.0	3.0	U	SGCSP
SGC056	A13056	19960208	Dibenz(a,h)anthracene	350.000	UG/KG	350.000	0.0	1.5	U	SGCSP
SGC059	A13059	19960208	Dibenz(a,h)anthracene	360.000	UG/KG	360.000	0.0	3.0	U	SGCSP
SGC058	A13058	19960221	Dibenz(a,h)anthracene	360.000	UG/KG	360.000	0.0	0.0	U	SGCSP
SGC061	A13061	19960208	Dibenz(a,h)anthracene	370.000	UG/KG	370.000	0.0	3.0	U	SGCSP
SGC056	A13056	19960208	Dibenzofuran	350.000	UG/KG	350.000	0.0	1.5	U	SGCSP
SGC059	A13059	19960208	Dibenzofuran	360.000	UG/KG	360.000	0.0	3.0	U	SGCSP
SGC058	A13058	19960221	Dibenzofuran	360.000	UG/KG	360.000	0.0	0.0	U	SGCSP
SGC061	A13061	19960208	Dibenzofuran	370.000	UG/KG	370.000	0.0	3.0	U	SGCSP
TF85	000286	20010716	Dibromochloromethane	5.000	UG/KG	5.000	16.0	20.0	U	TF2001
TF85	000287	20010716	Dibromochloromethane	5.000	UG/KG	5.000	20.0	24.0	U	TF2001
TF85	000289	20010716	Dibromochloromethane	5.000	UG/KG	5.000	28.0	30.0	U	TF2001
TF85	000285	20010716	Dibromochloromethane	5.000	UG/KG	5.000	16.0	20.0	U	TF2001
TF85	000283	20010716	Dibromochloromethane	5.000	UG/KG	5.000	8.0	12.0	U UJ	TF2001
TF85	000282	20010716	Dibromochloromethane	5.000	UG/KG	5.000	4.0	8.0	U	TF2001
TF79	000321	20010718	Dibromochloromethane	5.000	UG/KG	5.000	0.0	4.0	U	TF2001
TF79	000327	20010718	Dibromochloromethane	5.000	UG/KG	5.000	24.0	28.0	U	TF2001
TF79	000320	20010718	Dibromochloromethane	5.000	UG/KG	5.000	0.0	4.0	U	TF2001
TF79	000322	20010718	Dibromochloromethane	5.000	UG/KG	5.000	4.0	8.0	U	TF2001
TF79	000328	20010718	Dibromochloromethane	5.000	UG/KG	5.000	28.0	32.0	U	TF2001
TF79	000325	20010718	Dibromochloromethane	5.000	UG/KG	5.000	16.0	20.0	U	TF2001
TF78	000221	20010710	Dibromochloromethane	5.000	UG/KG	5.000	32.0	36.0	U	TF2001

Location_na	Sample_i	Collection_	Value_name	Measured_	Value_u	Detection_	Start_d	End_	Lab	Dat	Project_code
TF78	000215	20010710	Dibromochloromethane	5.000	UG/KG	5.000	8.0	12.0	U		TF2001
TF78	000213	20010710	Dibromochloromethane	5.000	UG/KG	5.000	4.0	8.0	U		TF2001
TF76	000127	20010718	Dibromochloromethane	5.000	UG/KG	5.000	12.0	16.0	U		TF2001
SGC059	A13059	19960208	Dibromochloromethane	5.000	UG/KG	5.000	0.0	3.0	U		SGCSP
TF85	000288	20010716	Dibromochloromethane	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF85	000284	20010716	Dibromochloromethane	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF85	000281	20010716	Dibromochloromethane	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF82	000244	20010712	Dibromochloromethane	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF82	000246	20010712	Dibromochloromethane	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF82	000247	20010712	Dibromochloromethane	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF82	000243	20010712	Dibromochloromethane	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF82	000248	20010712	Dibromochloromethane	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF82	000245	20010712	Dibromochloromethane	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF82	000249	20010712	Dibromochloromethane	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF82	000250	20010712	Dibromochloromethane	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF81	000228	20010711	Dibromochloromethane	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF81	000254	20010712	Dibromochloromethane	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF81	000252	20010712	Dibromochloromethane	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF81	000251	20010712	Dibromochloromethane	6.000	UG/KG	6.000	0.0	4.0	U	UJ	TF2001
TF81	000259	20010712	Dibromochloromethane	6.000	UG/KG	6.000	28.0	32.0	U		TF2001
TF81	000253	20010712	Dibromochloromethane	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF81	000255	20010712	Dibromochloromethane	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF81	000257	20010712	Dibromochloromethane	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF81	000258	20010712	Dibromochloromethane	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF81	000256	20010712	Dibromochloromethane	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF79	000326	20010718	Dibromochloromethane	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF79	000324	20010718	Dibromochloromethane	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF79	000323	20010718	Dibromochloromethane	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF79	000329	20010718	Dibromochloromethane	6.000	UG/KG	6.000	32.0	36.0	U		TF2001
TF78	000214	20010710	Dibromochloromethane	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF78	000217	20010710	Dibromochloromethane	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF78	000218	20010710	Dibromochloromethane	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF78	000219	20010710	Dibromochloromethane	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF78	000216	20010710	Dibromochloromethane	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF78	000220	20010710	Dibromochloromethane	6.000	UG/KG	6.000	28.0	32.0	U		TF2001
TF78	000212	20010710	Dibromochloromethane	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF76	000126	20010720	Dibromochloromethane	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF76	000124	20010718	Dibromochloromethane	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF76	000123	20010718	Dibromochloromethane	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF76	000125	20010718	Dibromochloromethane	6.000	UG/KG	6.000	8.0	12.0	U		TF2001

Location_na	Sample_i	Collection_	Value_name	Measured_	Value_u	Detection_	Start_d	End_	Lab	Dat	Project_code
TF75	000331	20010718	Dibromochloromethane	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF75	000333	20010718	Dibromochloromethane	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF75	000334	20010718	Dibromochloromethane	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF75	000335	20010718	Dibromochloromethane	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF75	000332	20010718	Dibromochloromethane	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF75	000339	20010718	Dibromochloromethane	6.000	UG/KG	6.000	32.0	36.0	U		TF2001
TF75	000338	20010718	Dibromochloromethane	6.000	UG/KG	6.000	28.0	32.0	U	UJ	TF2001
TF75	000336	20010718	Dibromochloromethane	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF75	000337	20010720	Dibromochloromethane	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF75	000330	20010718	Dibromochloromethane	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
SGC058	A13058	19960221	Dibromochloromethane	6.000	UG/KG	6.000	0.0	0.0	U		SGCSP
SGC056	A13056	19960208	Dibromochloromethane	6.000	UG/KG	6.000	0.0	1.5	U		SGCSP
SGC061	A13061	19960208	Dibromochloromethane	6.000	UG/KG	6.000	0.0	3.0	U		SGCSP
SGC061	A13061	19960208	Dibromochloromethane	1400.000	UG/KG	1400.000	0.0	3.0	U		SGCSP
TF81	000255	20010712	Dichloromethane (Methylene Chloride)	10.000	UG/KG		12.0	16.0	B	U	TF2001
TF85	000283	20010716	Dichloromethane (Methylene Chloride)	14.000	UG/KG		8.0	12.0	B	UJ	TF2001
TF81	000251	20010712	Dichloromethane (Methylene Chloride)	14.000	UG/KG		0.0	4.0	B	U	TF2001
TF75	000335	20010718	Dichloromethane (Methylene Chloride)	17.000	UG/KG		16.0	20.0	B	U	TF2001
TF78	000216	20010710	Dichloromethane (Methylene Chloride)	19.000	UG/KG		12.0	16.0	B	UJ	TF2001
TF76	000127	20010718	Dichloromethane (Methylene Chloride)	21.000	UG/KG		12.0	16.0	B	U	TF2001
TF79	000323	20010718	Dichloromethane (Methylene Chloride)	22.000	UG/KG		8.0	12.0	B	U	TF2001
TF76	000123	20010718	Dichloromethane (Methylene Chloride)	23.000	UG/KG		0.0	4.0	B	U	TF2001
TF75	000338	20010718	Dichloromethane (Methylene Chloride)	41.000	UG/KG		28.0	32.0	B	UJ	TF2001
SGC056	A13056	19960208	Dieldrin	3.500	UG/KG	3.500	0.0	1.5	U		SGCSP
SGC059	A13059	19960208	Dieldrin	3.600	UG/KG	3.600	0.0	3.0	U		SGCSP
SGC058	A13058	19960221	Dieldrin	3.600	UG/KG	3.600	0.0	0.0	U		SGCSP
SGC061	A13061	19960208	Dieldrin	3.700	UG/KG	3.700	0.0	3.0	U		SGCSP
SGC056	A13056	19960208	Diethyl Phthalate	350.000	UG/KG	350.000	0.0	1.5	U		SGCSP
SGC059	A13059	19960208	Diethyl Phthalate	360.000	UG/KG	360.000	0.0	3.0	U		SGCSP
SGC058	A13058	19960221	Diethyl Phthalate	360.000	UG/KG	360.000	0.0	0.0	U		SGCSP
SGC061	A13061	19960208	Diethyl Phthalate	370.000	UG/KG	370.000	0.0	3.0	U		SGCSP
SGC056	A13056	19960208	Dimethyl Phthalate	350.000	UG/KG	350.000	0.0	1.5	U		SGCSP
SGC059	A13059	19960208	Dimethyl Phthalate	360.000	UG/KG	360.000	0.0	3.0	U		SGCSP
SGC058	A13058	19960221	Dimethyl Phthalate	360.000	UG/KG	360.000	0.0	0.0	U		SGCSP
SGC061	A13061	19960208	Dimethyl Phthalate	370.000	UG/KG	370.000	0.0	3.0	U		SGCSP
SGC056	A13056	19960208	Di-n-butyl Phthalate	350.000	UG/KG	350.000	0.0	1.5	U		SGCSP
SGC059	A13059	19960208	Di-n-butyl Phthalate	360.000	UG/KG	360.000	0.0	3.0	U		SGCSP
SGC058	A13058	19960221	Di-n-butyl Phthalate	360.000	UG/KG	360.000	0.0	0.0	U		SGCSP
SGC061	A13061	19960208	Di-n-butyl Phthalate	370.000	UG/KG	370.000	0.0	3.0	U		SGCSP
SGC056	A13056	19960208	Di-n-octyl Phthalate	350.000	UG/KG	350.000	0.0	1.5	U		SGCSP

Location_na	Sample_i	Collection_	Value_name	Measured_	Value_u	Detection_	Start_d	End_	Lab Dat	Project_code
SGC059	A13059	19960208	Di-n-octyl Phthalate	360.000	UG/KG	360.000	0.0	3.0	U	SGCSP
SGC058	A13058	19960221	Di-n-octyl Phthalate	360.000	UG/KG	360.000	0.0	0.0	U	SGCSP
SGC061	A13061	19960208	Di-n-octyl Phthalate	370.000	UG/KG	370.000	0.0	3.0	U	SGCSP
SGC056	A13056	19960208	Endosulfan I	1.700	UG/KG	1.700	0.0	1.5	U	SGCSP
SGC059	A13059	19960208	Endosulfan I	1.800	UG/KG	1.800	0.0	3.0	U	SGCSP
SGC058	A13058	19960221	Endosulfan I	1.800	UG/KG	1.800	0.0	0.0	U	SGCSP
SGC061	A13061	19960208	Endosulfan I	1.800	UG/KG	1.800	0.0	3.0	U	SGCSP
SGC056	A13056	19960208	Endosulfan II	3.500	UG/KG	3.500	0.0	1.5	U	SGCSP
SGC059	A13059	19960208	Endosulfan II	3.600	UG/KG	3.600	0.0	3.0	U	SGCSP
SGC058	A13058	19960221	Endosulfan II	3.600	UG/KG	3.600	0.0	0.0	U	SGCSP
SGC061	A13061	19960208	Endosulfan II	3.700	UG/KG	3.700	0.0	3.0	U	SGCSP
SGC056	A13056	19960208	Endosulfan Sulfate	3.500	UG/KG	3.500	0.0	1.5	U	SGCSP
SGC059	A13059	19960208	Endosulfan Sulfate	3.600	UG/KG	3.600	0.0	3.0	U	SGCSP
SGC058	A13058	19960221	Endosulfan Sulfate	3.600	UG/KG	3.600	0.0	0.0	U	SGCSP
SGC061	A13061	19960208	Endosulfan Sulfate	3.700	UG/KG	3.700	0.0	3.0	U	SGCSP
SGC056	A13056	19960208	Endrin	3.500	UG/KG	3.500	0.0	1.5	U	SGCSP
SGC059	A13059	19960208	Endrin	3.600	UG/KG	3.600	0.0	3.0	U	SGCSP
SGC058	A13058	19960221	Endrin	3.600	UG/KG	3.600	0.0	0.0	U	SGCSP
SGC061	A13061	19960208	Endrin	3.700	UG/KG	3.700	0.0	3.0	U	SGCSP
SGC056	A13056	19960208	Endrin Aldehyde	3.500	UG/KG	3.500	0.0	1.5	U	SGCSP
SGC059	A13059	19960208	Endrin Aldehyde	3.600	UG/KG	3.600	0.0	3.0	U	SGCSP
SGC058	A13058	19960221	Endrin Aldehyde	3.600	UG/KG	3.600	0.0	0.0	U	SGCSP
SGC061	A13061	19960208	Endrin Aldehyde	3.700	UG/KG	3.700	0.0	3.0	U	SGCSP
SGC056	A13056	19960208	Endrin Ketone	3.500	UG/KG	3.500	0.0	1.5	U	SGCSP
SGC059	A13059	19960208	Endrin Ketone	3.600	UG/KG	3.600	0.0	3.0	U	SGCSP
SGC058	A13058	19960221	Endrin Ketone	3.600	UG/KG	3.600	0.0	0.0	U	SGCSP
SGC061	A13061	19960208	Endrin Ketone	3.700	UG/KG	3.700	0.0	3.0	U	SGCSP
TF85	000286	20010716	Ethylbenzene	5.000	UG/KG	5.000	16.0	20.0	U	TF2001
TF85	000287	20010716	Ethylbenzene	5.000	UG/KG	5.000	20.0	24.0	U	TF2001
TF85	000289	20010716	Ethylbenzene	5.000	UG/KG	5.000	28.0	30.0	U	TF2001
TF85	000285	20010716	Ethylbenzene	5.000	UG/KG	5.000	16.0	20.0	U	TF2001
TF85	000283	20010716	Ethylbenzene	5.000	UG/KG	5.000	8.0	12.0	U	UJ TF2001
TF85	000282	20010716	Ethylbenzene	5.000	UG/KG	5.000	4.0	8.0	U	TF2001
TF79	000321	20010718	Ethylbenzene	5.000	UG/KG	5.000	0.0	4.0	U	TF2001
TF79	000327	20010718	Ethylbenzene	5.000	UG/KG	5.000	24.0	28.0	U	TF2001
TF79	000320	20010718	Ethylbenzene	5.000	UG/KG	5.000	0.0	4.0	U	TF2001
TF79	000322	20010718	Ethylbenzene	5.000	UG/KG	5.000	4.0	8.0	U	TF2001
TF79	000328	20010718	Ethylbenzene	5.000	UG/KG	5.000	28.0	32.0	U	TF2001
TF79	000325	20010718	Ethylbenzene	5.000	UG/KG	5.000	16.0	20.0	U	TF2001
TF78	000221	20010710	Ethylbenzene	5.000	UG/KG	5.000	32.0	36.0	U	TF2001

Location_na	Sample_i	Collection_	Value_name	Measured_	Value_u	Detection_	Start_d	End_	Lab	Dat	Project_code
TF78	000215	20010710	Ethylbenzene	5.000	UG/KG	5.000	8.0	12.0	U		TF2001
TF78	000213	20010710	Ethylbenzene	5.000	UG/KG	5.000	4.0	8.0	U		TF2001
TF76	000127	20010718	Ethylbenzene	5.000	UG/KG	5.000	12.0	16.0	U		TF2001
SGC059	A13059	19960208	Ethylbenzene	5.000	UG/KG	5.000	0.0	3.0	U		SGCSP
TF85	000288	20010716	Ethylbenzene	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF85	000284	20010716	Ethylbenzene	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF85	000281	20010716	Ethylbenzene	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF82	000244	20010712	Ethylbenzene	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF82	000246	20010712	Ethylbenzene	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF82	000247	20010712	Ethylbenzene	6.000	UG/KG	6.000	16.0	20.0	U	UJ	TF2001
TF82	000243	20010712	Ethylbenzene	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF82	000248	20010712	Ethylbenzene	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF82	000245	20010712	Ethylbenzene	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF82	000249	20010712	Ethylbenzene	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF82	000250	20010712	Ethylbenzene	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF81	000228	20010711	Ethylbenzene	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF81	000254	20010712	Ethylbenzene	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF81	000252	20010712	Ethylbenzene	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF81	000251	20010712	Ethylbenzene	6.000	UG/KG	6.000	0.0	4.0	U	UJ	TF2001
TF81	000259	20010712	Ethylbenzene	6.000	UG/KG	6.000	28.0	32.0	U		TF2001
TF81	000253	20010712	Ethylbenzene	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF81	000255	20010712	Ethylbenzene	6.000	UG/KG	6.000	12.0	16.0	U	UJ	TF2001
TF81	000257	20010712	Ethylbenzene	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF81	000258	20010712	Ethylbenzene	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF81	000256	20010712	Ethylbenzene	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF79	000326	20010718	Ethylbenzene	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF79	000324	20010718	Ethylbenzene	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF79	000323	20010718	Ethylbenzene	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF79	000329	20010718	Ethylbenzene	6.000	UG/KG	6.000	32.0	36.0	U		TF2001
TF78	000214	20010710	Ethylbenzene	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF78	000217	20010710	Ethylbenzene	6.000	UG/KG	6.000	16.0	20.0	U	UJ	TF2001
TF78	000218	20010710	Ethylbenzene	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF78	000219	20010710	Ethylbenzene	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF78	000216	20010710	Ethylbenzene	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF78	000220	20010710	Ethylbenzene	6.000	UG/KG	6.000	28.0	32.0	U		TF2001
TF78	000212	20010710	Ethylbenzene	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF76	000126	20010720	Ethylbenzene	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF76	000124	20010718	Ethylbenzene	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF76	000123	20010718	Ethylbenzene	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF76	000125	20010718	Ethylbenzene	6.000	UG/KG	6.000	8.0	12.0	U	UJ	TF2001

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Location_na	Sample_i	Collection_	Value_name	Measured_	Value_u	Detection_	Start_d	End_	Lab	Dat	Project_code
TF75	000331	20010718	Ethylbenzene	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF75	000333	20010718	Ethylbenzene	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF75	000334	20010718	Ethylbenzene	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF75	000335	20010718	Ethylbenzene	6.000	UG/KG	6.000	16.0	20.0	U	UJ	TF2001
TF75	000332	20010718	Ethylbenzene	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF75	000339	20010718	Ethylbenzene	6.000	UG/KG	6.000	32.0	36.0	U		TF2001
TF75	000338	20010718	Ethylbenzene	6.000	UG/KG	6.000	28.0	32.0	U	UJ	TF2001
TF75	000336	20010718	Ethylbenzene	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF75	000337	20010720	Ethylbenzene	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF75	000330	20010718	Ethylbenzene	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
SGC058	A13058	19960221	Ethylbenzene	6.000	UG/KG	6.000	0.0	0.0	U		SGCSP
SGC056	A13056	19960208	Ethylbenzene	6.000	UG/KG	6.000	0.0	1.5	U		SGCSP
SGC061	A13061	19960208	Ethylbenzene	6.000	UG/KG	6.000	0.0	3.0	U		SGCSP
SGC061	A13061	19960208	Ethylbenzene	1400.000	UG/KG	1400.000	0.0	3.0	U		SGCSP
SGC059	A13059	19960208	Fluoranthene	360.000	UG/KG	360.000	0.0	3.0	U		SGCSP
SGC061	A13061	19960208	Fluoranthene	370.000	UG/KG	370.000	0.0	3.0	U		SGCSP
SGC056	A13056	19960208	Fluorene	350.000	UG/KG	350.000	0.0	1.5	U		SGCSP
SGC059	A13059	19960208	Fluorene	360.000	UG/KG	360.000	0.0	3.0	U		SGCSP
SGC058	A13058	19960221	Fluorene	360.000	UG/KG	360.000	0.0	0.0	U		SGCSP
SGC061	A13061	19960208	Fluorene	370.000	UG/KG	370.000	0.0	3.0	U		SGCSP
TF85	000286	20010716	FREON-113	5.000	UG/KG	5.000	16.0	20.0	U		TF2001
TF85	000287	20010716	FREON-113	5.000	UG/KG	5.000	20.0	24.0	U		TF2001
TF85	000289	20010716	FREON-113	5.000	UG/KG	5.000	28.0	30.0	U		TF2001
TF85	000285	20010716	FREON-113	5.000	UG/KG	5.000	16.0	20.0	U		TF2001
TF85	000283	20010716	FREON-113	5.000	UG/KG	5.000	8.0	12.0	U		TF2001
TF85	000282	20010716	FREON-113	5.000	UG/KG	5.000	4.0	8.0	U		TF2001
TF79	000321	20010718	FREON-113	5.000	UG/KG	5.000	0.0	4.0	U		TF2001
TF79	000327	20010718	FREON-113	5.000	UG/KG	5.000	24.0	28.0	U		TF2001
TF79	000320	20010718	FREON-113	5.000	UG/KG	5.000	0.0	4.0	U		TF2001
TF79	000322	20010718	FREON-113	5.000	UG/KG	5.000	4.0	8.0	U		TF2001
TF79	000328	20010718	FREON-113	5.000	UG/KG	5.000	28.0	32.0	U		TF2001
TF79	000325	20010718	FREON-113	5.000	UG/KG	5.000	16.0	20.0	U		TF2001
TF78	000221	20010710	FREON-113	5.000	UG/KG	5.000	32.0	36.0	U		TF2001
TF78	000215	20010710	FREON-113	5.000	UG/KG	5.000	8.0	12.0	U		TF2001
TF78	000213	20010710	FREON-113	5.000	UG/KG	5.000	4.0	8.0	U		TF2001
TF76	000127	20010718	FREON-113	5.000	UG/KG	5.000	12.0	16.0	U		TF2001
TF85	000288	20010716	FREON-113	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF85	000284	20010716	FREON-113	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF85	000281	20010716	FREON-113	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF82	000244	20010712	FREON-113	6.000	UG/KG	6.000	0.0	4.0	U		TF2001

Location_na	Sample_i	Collection_	Value_name	Measured_	Value_u	Detection_	Start_d	End_	Lab	Dat	Project_code
TF82	000246	20010712	FREON-113	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF82	000247	20010712	FREON-113	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF82	000243	20010712	FREON-113	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF82	000248	20010712	FREON-113	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF82	000245	20010712	FREON-113	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF82	000249	20010712	FREON-113	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF82	000250	20010712	FREON-113	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF81	000228	20010711	FREON-113	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF81	000254	20010712	FREON-113	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF81	000252	20010712	FREON-113	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF81	000251	20010712	FREON-113	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF81	000259	20010712	FREON-113	6.000	UG/KG	6.000	28.0	32.0	U		TF2001
TF81	000253	20010712	FREON-113	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF81	000255	20010712	FREON-113	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF81	000257	20010712	FREON-113	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF81	000258	20010712	FREON-113	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF81	000256	20010712	FREON-113	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF79	000326	20010718	FREON-113	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF79	000324	20010718	FREON-113	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF79	000323	20010718	FREON-113	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF79	000329	20010718	FREON-113	6.000	UG/KG	6.000	32.0	36.0	U		TF2001
TF78	000214	20010710	FREON-113	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF78	000217	20010710	FREON-113	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF78	000218	20010710	FREON-113	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF78	000219	20010710	FREON-113	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF78	000216	20010710	FREON-113	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF78	000220	20010710	FREON-113	6.000	UG/KG	6.000	28.0	32.0	U		TF2001
TF78	000212	20010710	FREON-113	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF76	000126	20010720	FREON-113	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF76	000124	20010718	FREON-113	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF76	000123	20010718	FREON-113	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF76	000125	20010718	FREON-113	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF75	000331	20010718	FREON-113	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF75	000333	20010718	FREON-113	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF75	000334	20010718	FREON-113	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF75	000335	20010718	FREON-113	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF75	000332	20010718	FREON-113	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF75	000339	20010718	FREON-113	6.000	UG/KG	6.000	32.0	36.0	U		TF2001
TF75	000338	20010718	FREON-113	6.000	UG/KG	6.000	28.0	32.0	U	UJ	TF2001
TF75	000336	20010718	FREON-113	6.000	UG/KG	6.000	20.0	24.0	U		TF2001

Location_na	Sample_i	Collection_	Value_name	Measured_	Value_u	Detection_	Start_d	End_	Lab Dat	Project_code
TF75	000337	20010720	FREON-113	6.000	UG/KG	6.000	24.0	28.0	U	TF2001
TF75	000330	20010718	FREON-113	6.000	UG/KG	6.000	0.0	4.0	U	TF2001
SGC056	A13056	19960208	Gamma Chlordane	1.700	UG/KG	1.700	0.0	1.5	U	SGCSP
SGC059	A13059	19960208	Gamma Chlordane	1.800	UG/KG	1.800	0.0	3.0	U	SGCSP
SGC058	A13058	19960221	Gamma Chlordane	1.800	UG/KG	1.800	0.0	0.0	U	SGCSP
SGC061	A13061	19960208	Gamma Chlordane	1.800	UG/KG	1.800	0.0	3.0	U	SGCSP
SGC056	A13056	19960208	Gamma-BHC (Lindane)	1.700	UG/KG	1.700	0.0	1.5	U	SGCSP
SGC059	A13059	19960208	Gamma-BHC (Lindane)	1.800	UG/KG	1.800	0.0	3.0	U	SGCSP
SGC058	A13058	19960221	Gamma-BHC (Lindane)	1.800	UG/KG	1.800	0.0	0.0	U	SGCSP
SGC061	A13061	19960208	Gamma-BHC (Lindane)	1.800	UG/KG	1.800	0.0	3.0	U	SGCSP
SGC056	A13056	19960208	Heptachlor	1.700	UG/KG	1.700	0.0	1.5	U	SGCSP
SGC059	A13059	19960208	Heptachlor	1.800	UG/KG	1.800	0.0	3.0	U	SGCSP
SGC058	A13058	19960221	Heptachlor	1.800	UG/KG	1.800	0.0	0.0	U	SGCSP
SGC061	A13061	19960208	Heptachlor	1.800	UG/KG	1.800	0.0	3.0	U	SGCSP
SGC056	A13056	19960208	Heptachlor Epoxide	1.700	UG/KG	1.700	0.0	1.5	U	SGCSP
SGC059	A13059	19960208	Heptachlor Epoxide	1.800	UG/KG	1.800	0.0	3.0	U	SGCSP
SGC058	A13058	19960221	Heptachlor Epoxide	1.800	UG/KG	1.800	0.0	0.0	U	SGCSP
SGC061	A13061	19960208	Heptachlor Epoxide	1.800	UG/KG	1.800	0.0	3.0	U	SGCSP
SGC056	A13056	19960208	Hexachlorobenzene	350.000	UG/KG	350.000	0.0	1.5	U	SGCSP
SGC059	A13059	19960208	Hexachlorobenzene	360.000	UG/KG	360.000	0.0	3.0	U	SGCSP
SGC058	A13058	19960221	Hexachlorobenzene	360.000	UG/KG	360.000	0.0	0.0	U	SGCSP
SGC061	A13061	19960208	Hexachlorobenzene	370.000	UG/KG	370.000	0.0	3.0	U	SGCSP
SGC056	A13056	19960208	Hexachlorobutadiene	350.000	UG/KG	350.000	0.0	1.5	U	SGCSP
SGC059	A13059	19960208	Hexachlorobutadiene	360.000	UG/KG	360.000	0.0	3.0	U	SGCSP
SGC058	A13058	19960221	Hexachlorobutadiene	360.000	UG/KG	360.000	0.0	0.0	U	SGCSP
SGC061	A13061	19960208	Hexachlorobutadiene	370.000	UG/KG	370.000	0.0	3.0	U	SGCSP
SGC056	A13056	19960208	Hexachlorocyclopentadiene	350.000	UG/KG	350.000	0.0	1.5	U	SGCSP
SGC059	A13059	19960208	Hexachlorocyclopentadiene	360.000	UG/KG	360.000	0.0	3.0	U	SGCSP
SGC058	A13058	19960221	Hexachlorocyclopentadiene	360.000	UG/KG	360.000	0.0	0.0	U	SGCSP
SGC061	A13061	19960208	Hexachlorocyclopentadiene	370.000	UG/KG	370.000	0.0	3.0	U	SGCSP
SGC056	A13056	19960208	Hexachloroethane	350.000	UG/KG	350.000	0.0	1.5	U	SGCSP
SGC059	A13059	19960208	Hexachloroethane	360.000	UG/KG	360.000	0.0	3.0	U	SGCSP
SGC058	A13058	19960221	Hexachloroethane	360.000	UG/KG	360.000	0.0	0.0	U	SGCSP
SGC061	A13061	19960208	Hexachloroethane	370.000	UG/KG	370.000	0.0	3.0	U	SGCSP
TF85	000286	20010716	Hexane	5.000	UG/KG	5.000	16.0	20.0	U	TF2001
TF85	000287	20010716	Hexane	5.000	UG/KG	5.000	20.0	24.0	U	TF2001
TF85	000289	20010716	Hexane	5.000	UG/KG	5.000	28.0	30.0	U	TF2001
TF85	000285	20010716	Hexane	5.000	UG/KG	5.000	16.0	20.0	U	TF2001
TF85	000283	20010716	Hexane	5.000	UG/KG	5.000	8.0	12.0	U	TF2001
TF85	000282	20010716	Hexane	5.000	UG/KG	5.000	4.0	8.0	U	TF2001

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Location_na	Sample_i	Collection_	Value_name	Measured_	Value_u	Detection_	Start_d	End_	Lab	Dat	Project_code
TF79	000321	20010718	Hexane	5.000	UG/KG	5.000	0.0	4.0	U		TF2001
TF79	000327	20010718	Hexane	5.000	UG/KG	5.000	24.0	28.0	U		TF2001
TF79	000320	20010718	Hexane	5.000	UG/KG	5.000	0.0	4.0	U		TF2001
TF79	000322	20010718	Hexane	5.000	UG/KG	5.000	4.0	8.0	U		TF2001
TF79	000328	20010718	Hexane	5.000	UG/KG	5.000	28.0	32.0	U		TF2001
TF79	000325	20010718	Hexane	5.000	UG/KG	5.000	16.0	20.0	U		TF2001
TF78	000221	20010710	Hexane	5.000	UG/KG	5.000	32.0	36.0	U		TF2001
TF78	000215	20010710	Hexane	5.000	UG/KG	5.000	8.0	12.0	U		TF2001
TF78	000213	20010710	Hexane	5.000	UG/KG	5.000	4.0	8.0	U		TF2001
TF76	000127	20010718	Hexane	5.000	UG/KG	5.000	12.0	16.0	U	UJ	TF2001
TF85	000288	20010716	Hexane	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF85	000284	20010716	Hexane	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF85	000281	20010716	Hexane	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF82	000244	20010712	Hexane	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF82	000243	20010712	Hexane	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF82	000245	20010712	Hexane	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF82	000250	20010712	Hexane	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF81	000254	20010712	Hexane	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF81	000252	20010712	Hexane	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF81	000251	20010712	Hexane	6.000	UG/KG	6.000	0.0	4.0	U	UJ	TF2001
TF81	000259	20010712	Hexane	6.000	UG/KG	6.000	28.0	32.0	U		TF2001
TF81	000253	20010712	Hexane	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF81	000255	20010712	Hexane	6.000	UG/KG	6.000	12.0	16.0	U	UJ	TF2001
TF81	000257	20010712	Hexane	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF81	000258	20010712	Hexane	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF81	000256	20010712	Hexane	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF79	000326	20010718	Hexane	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF79	000324	20010718	Hexane	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF79	000323	20010718	Hexane	6.000	UG/KG	6.000	8.0	12.0	U	UJ	TF2001
TF79	000329	20010718	Hexane	6.000	UG/KG	6.000	32.0	36.0	U		TF2001
TF78	000214	20010710	Hexane	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF78	000217	20010710	Hexane	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF78	000218	20010710	Hexane	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF78	000216	20010710	Hexane	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF78	000220	20010710	Hexane	6.000	UG/KG	6.000	28.0	32.0	U		TF2001
TF78	000212	20010710	Hexane	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF76	000126	20010720	Hexane	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF76	000124	20010718	Hexane	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF76	000123	20010718	Hexane	6.000	UG/KG	6.000	0.0	4.0	U	UJ	TF2001
TF76	000125	20010718	Hexane	6.000	UG/KG	6.000	8.0	12.0	U		TF2001

Location_na	Sample_i	Collection_	Value_name	Measured_	Value_u	Detection_	Start_d	End_	Lab	Dat	Project_code
TF75	000331	20010718	Hexane	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF75	000333	20010718	Hexane	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF75	000334	20010718	Hexane	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF75	000335	20010718	Hexane	6.000	UG/KG	6.000	16.0	20.0	U	UJ	TF2001
TF75	000332	20010718	Hexane	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF75	000339	20010718	Hexane	6.000	UG/KG	6.000	32.0	36.0	U		TF2001
TF75	000338	20010718	Hexane	6.000	UG/KG	6.000	28.0	32.0	U	UJ	TF2001
TF75	000336	20010718	Hexane	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF75	000337	20010720	Hexane	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF75	000330	20010718	Hexane	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
SGC058	A13058	19960221	HMX	1970.000	UG/KG	1970.000	0.0	0.0	U		SGCSP
SGC059	A13059	19960208	HMX	1980.000	UG/KG	1980.000	0.0	3.0	U		SGCSP
SGC056	A13056	19960208	HMX	1990.000	UG/KG	1990.000	0.0	1.5	U		SGCSP
SGC061	A13061	19960208	HMX	2030.000	UG/KG	2030.000	0.0	3.0	U		SGCSP
SGC056	A13056	19960208	Indeno(1,2,3-cd)pyrene	350.000	UG/KG	350.000	0.0	1.5	U		SGCSP
SGC059	A13059	19960208	Indeno(1,2,3-cd)pyrene	360.000	UG/KG	360.000	0.0	3.0	U		SGCSP
SGC061	A13061	19960208	Indeno(1,2,3-cd)pyrene	370.000	UG/KG	370.000	0.0	3.0	U		SGCSP
SGC056	A13056	19960208	Isophorone	350.000	UG/KG	350.000	0.0	1.5	U		SGCSP
SGC059	A13059	19960208	Isophorone	360.000	UG/KG	360.000	0.0	3.0	U		SGCSP
SGC058	A13058	19960221	Isophorone	360.000	UG/KG	360.000	0.0	0.0	U		SGCSP
SGC061	A13061	19960208	Isophorone	370.000	UG/KG	370.000	0.0	3.0	U		SGCSP
TF79	000322	20010718	Lead-210	0.333	PCI/G	0.333	4.0	8.0	U		TF2001
TF78	000219	20010710	Lead-210	0.449	PCI/G	0.449	24.0	28.0	U		TF2001
TF85	000288	20010716	Lead-210	0.462	PCI/G	0.462	24.0	28.0	U		TF2001
TF82	000247	20010712	Lead-210	0.483	PCI/G	0.483	16.0	20.0	U		TF2001
TF78	000218	20010710	Lead-210	0.484	PCI/G	0.484	20.0	24.0	U		TF2001
TF58	000051	20010709	Lead-210	0.509	PCI/G	0.509	0.0	4.0	U		TF2001
TF85	000285	20010716	Lead-210	0.517	PCI/G	0.517	16.0	20.0	U		TF2001
TF81	000254	20010712	Lead-210	0.519	PCI/G	0.519	8.0	12.0	U		TF2001
TF75	000337	20010720	Lead-210	0.522	PCI/G	0.522	24.0	28.0	U		TF2001
TF75	000335	20010718	Lead-210	0.522	PCI/G	0.522	16.0	20.0	U		TF2001
TF76	000123	20010718	Lead-210	0.524	PCI/G	0.524	0.0	4.0	U		TF2001
TF81	000257	20010712	Lead-210	0.528	PCI/G	0.528	20.0	24.0	U		TF2001
TF78	000212	20010710	Lead-210	0.532	PCI/G	0.532	0.0	4.0	U		TF2001
TF85	000283	20010716	Lead-210	0.533	PCI/G	0.533	8.0	12.0	U		TF2001
TF79	000326	20010718	Lead-210	0.652	PCI/G	0.652	20.0	24.0	U		TF2001
TF79	000323	20010718	Lead-210	0.654	PCI/G	0.654	8.0	12.0	U		TF2001
TF81	000258	20010712	Lead-210	0.678	PCI/G	0.678	24.0	28.0	U		TF2001
TF79	000329	20010718	Lead-210	0.686	PCI/G	0.686	32.0	36.0	U		TF2001
TF85	000289	20010716	Lead-210	0.749	PCI/G	0.749	28.0	30.0	U		TF2001

Location_na	Sample_i	Collection_	Value_name	Measured_	Value_u	Detection_	Start_d	End_	Lab Dat	Project_code
TF78	000213	20010710	Lead-210	0.750	PCI/G	0.750	4.0	8.0	U	TF2001
TF85	000286	20010716	Lead-210	0.758	PCI/G	0.758	16.0	20.0	U	TF2001
TF81	000252	20010712	Lead-210	0.776	PCI/G	0.776	4.0	8.0	U	TF2001
TF82	000245	20010712	Lead-210	0.781	PCI/G	0.781	4.0	8.0	U	TF2001
TF82	000246	20010712	Lead-210	0.781	PCI/G	0.781	8.0	12.0	U	TF2001
TF81	000256	20010712	Lead-210	0.826	PCI/G	0.826	16.0	20.0	U	TF2001
TF75	000336	20010718	Lead-210	0.834	PCI/G	0.834	20.0	24.0	U	TF2001
TF85	000281	20010716	Lead-210	0.860	PCI/G	0.860	0.0	4.0	U	TF2001
TF75	000338	20010718	Lead-210	0.866	PCI/G	0.866	28.0	32.0	U	TF2001
TF82	000243	20010712	Lead-210	0.877	PCI/G	0.877	0.0	4.0	U	TF2001
TF75	000334	20010718	Lead-210	0.879	PCI/G	0.879	12.0	16.0	U	TF2001
TF85	000287	20010716	Lead-210	0.924	PCI/G	0.924	20.0	24.0	U	TF2001
TF76	000124	20010718	Lead-210	0.956	PCI/G	0.956	4.0	8.0	U	TF2001
TF81	000259	20010712	Lead-210	0.994	PCI/G	0.994	28.0	32.0	U	TF2001
TF75	000330	20010718	Lead-210	1.004	PCI/G	1.004	0.0	4.0	U	TF2001
TF61	000052	20010709	Lead-210	1.014	PCI/G	1.014	0.0	4.0	U	TF2001
TF59	000054	20010709	Lead-210	1.031	PCI/G	1.031	0.0	4.0	U	TF2001
TF85	000282	20010716	Lead-210	1.059	PCI/G	1.059	4.0	8.0	U	TF2001
TF79	000324	20010718	Lead-210	1.061	PCI/G	1.061	12.0	16.0	U	TF2001
TF78	000212	20010710	Lead-210	1.070	PCI/G	1.070	0.0	4.0	U	TF2001
TF76	000125	20010718	Lead-210	1.071	PCI/G	1.071	8.0	12.0	U	TF2001
TF62	000053	20010709	Lead-210	1.097	PCI/G	1.097	0.0	4.0	U	TF2001
TF78	000214	20010710	Lead-210	1.109	PCI/G	1.109	4.0	8.0	U	TF2001
TF81	000228	20010711	Lead-210	1.114	PCI/G	1.114	12.0	16.0	U	TF2001
TF78	000217	20010710	Lead-210	1.123	PCI/G	1.123	16.0	20.0	U	TF2001
TF52	000023	20010706	Lead-210	1.234	PCI/G	1.234	0.0	4.0	U	TF2001
SGC059	A13059	19960208	Mercury	0.050	MG/KG		0.0	3.0	U	SGCSP
SGC058	A13058	19960221	Mercury	0.050	MG/KG		0.0	0.0	U	SGCSP
SGC056	A13056	19960208	Mercury	0.050	MG/KG		0.0	1.5	U	SGCSP
SGC061	A13061	19960208	Mercury	0.060	MG/KG		0.0	3.0	U	SGCSP
SGC056	A13056	19960208	Methoxychlor	17.000	UG/KG	17.000	0.0	1.5	U	SGCSP
SGC059	A13059	19960208	Methoxychlor	18.000	UG/KG	18.000	0.0	3.0	U	SGCSP
SGC058	A13058	19960221	Methoxychlor	18.000	UG/KG	18.000	0.0	0.0	U	SGCSP
SGC061	A13061	19960208	Methoxychlor	18.000	UG/KG	18.000	0.0	3.0	U	SGCSP
SGC056	A13056	19960208	Naphthalene	350.000	UG/KG	350.000	0.0	1.5	U	SGCSP
SGC059	A13059	19960208	Naphthalene	360.000	UG/KG	360.000	0.0	3.0	U	SGCSP
SGC058	A13058	19960221	Naphthalene	360.000	UG/KG	360.000	0.0	0.0	U	SGCSP
SGC061	A13061	19960208	Naphthalene	370.000	UG/KG	370.000	0.0	3.0	U	SGCSP
SGC058	A13058	19960221	Nitrobenzene	233.000	UG/KG	233.000	0.0	0.0	U	SGCSP
SGC059	A13059	19960208	Nitrobenzene	234.000	UG/KG	234.000	0.0	3.0	U	SGCSP

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Location_na	Sample_i	Collection_	Value_name	Measured_	Value_u	Detection_	Start_d	End_	Lab Dat	Project_code
SGC056	A13056	19960208	Nitrobenzene	235.000	UG/KG	235.000	0.0	1.5	U	SGCSP
SGC061	A13061	19960208	Nitrobenzene	240.000	UG/KG	240.000	0.0	3.0	U	SGCSP
SGC056	A13056	19960208	Nitrobenzene	350.000	UG/KG	350.000	0.0	1.5	U	SGCSP
SGC059	A13059	19960208	Nitrobenzene	360.000	UG/KG	360.000	0.0	3.0	U	SGCSP
SGC058	A13058	19960221	Nitrobenzene	360.000	UG/KG	360.000	0.0	0.0	U	SGCSP
SGC061	A13061	19960208	Nitrobenzene	370.000	UG/KG	370.000	0.0	3.0	U	SGCSP
SGC056	A13056	19960208	N-Nitroso-di-n-propylamine	350.000	UG/KG	350.000	0.0	1.5	U	SGCSP
SGC059	A13059	19960208	N-Nitroso-di-n-propylamine	360.000	UG/KG	360.000	0.0	3.0	U	SGCSP
SGC058	A13058	19960221	N-Nitroso-di-n-propylamine	360.000	UG/KG	360.000	0.0	0.0	U	SGCSP
SGC061	A13061	19960208	N-Nitroso-di-n-propylamine	370.000	UG/KG	370.000	0.0	3.0	U	SGCSP
SGC056	A13056	19960208	N-Nitrosodiphenylamine	350.000	UG/KG	350.000	0.0	1.5	U	SGCSP
SGC059	A13059	19960208	N-Nitrosodiphenylamine	360.000	UG/KG	360.000	0.0	3.0	U	SGCSP
SGC058	A13058	19960221	N-Nitrosodiphenylamine	360.000	UG/KG	360.000	0.0	0.0	U	SGCSP
SGC061	A13061	19960208	N-Nitrosodiphenylamine	370.000	UG/KG	370.000	0.0	3.0	U	SGCSP
SGC056	A13056	19960208	Pentachlorophenol	880.000	UG/KG	880.000	0.0	1.5	U	SGCSP
SGC058	A13058	19960221	Pentachlorophenol	890.000	UG/KG	890.000	0.0	0.0	U	SGCSP
SGC059	A13059	19960208	Pentachlorophenol	900.000	UG/KG	900.000	0.0	3.0	U	SGCSP
SGC061	A13061	19960208	Pentachlorophenol	920.000	UG/KG	920.000	0.0	3.0	U	SGCSP
SGC058	A13058	19960221	PETN	897.000	UG/KG	897.000	0.0	0.0	U	SGCSP
SGC059	A13059	19960208	PETN	901.000	UG/KG	901.000	0.0	3.0	U	SGCSP
SGC056	A13056	19960208	PETN	905.000	UG/KG	905.000	0.0	1.5	U	SGCSP
SGC061	A13061	19960208	PETN	922.000	UG/KG	922.000	0.0	3.0	U	SGCSP
SGC056	A13056	19960208	Phenanthrene	350.000	UG/KG	350.000	0.0	1.5	U	SGCSP
SGC059	A13059	19960208	Phenanthrene	360.000	UG/KG	360.000	0.0	3.0	U	SGCSP
SGC061	A13061	19960208	Phenanthrene	370.000	UG/KG	370.000	0.0	3.0	U	SGCSP
SGC056	A13056	19960208	Phenol	350.000	UG/KG	350.000	0.0	1.5	U	SGCSP
SGC059	A13059	19960208	Phenol	360.000	UG/KG	360.000	0.0	3.0	U	SGCSP
SGC058	A13058	19960221	Phenol	360.000	UG/KG	360.000	0.0	0.0	U	SGCSP
SGC061	A13061	19960208	Phenol	370.000	UG/KG	370.000	0.0	3.0	U	SGCSP
TF79	000322	20010718	Plutonium-238	8.700	PCI/G	8.700	4.0	8.0	U	TF2001
TF81	000254	20010712	Plutonium-238	10.250	PCI/G	10.250	8.0	12.0	U	TF2001
TF78	000218	20010710	Plutonium-238	10.500	PCI/G	10.500	20.0	24.0	U	TF2001
TF85	000288	20010716	Plutonium-238	10.530	PCI/G	10.530	24.0	28.0	U	TF2001
TF82	000250	20010712	Plutonium-238	10.780	PCI/G	10.780	24.0	28.0	U	TF2001
TF82	000247	20010712	Plutonium-238	10.820	PCI/G	10.820	16.0	20.0	U	TF2001
TF81	000257	20010712	Plutonium-238	10.870	PCI/G	10.870	20.0	24.0	U	TF2001
TF75	000335	20010718	Plutonium-238	11.550	PCI/G	11.550	16.0	20.0	U	TF2001
TF79	000320	20010718	Plutonium-238	11.590	PCI/G	11.590	0.0	4.0	U	TF2001
TF85	000285	20010716	Plutonium-238	11.640	PCI/G	11.640	16.0	20.0	U	TF2001
TF76	000123	20010718	Plutonium-238	11.670	PCI/G	11.670	0.0	4.0	U	TF2001

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Location_na	Sample_i	Collection_	Value_name	Measured_	Value_u	Detection_	Start_d	End_	Lab Dat	Project_code
TF79	000325	20010718	Plutonium-238	11.780	PCI/G	11.780	16.0	20.0	U	TF2001
TF81	000251	20010712	Plutonium-238	11.810	PCI/G	11.810	0.0	4.0	U	TF2001
TF85	000283	20010716	Plutonium-238	11.940	PCI/G	11.940	8.0	12.0	U	TF2001
TF78	000212	20010710	Plutonium-238	11.960	PCI/G	11.960	0.0	4.0	U	TF2001
TF58	000051	20010709	Plutonium-238	12.110	PCI/G	12.110	0.0	4.0	U	TF2001
TF75	000337	20010720	Plutonium-238	12.500	PCI/G	12.500	24.0	28.0	U	TF2001
TF78	000219	20010710	Plutonium-238	12.510	PCI/G	12.510	24.0	28.0	U	TF2001
TF82	000244	20010712	Plutonium-238	12.560	PCI/G	12.560	0.0	4.0	U	TF2001
SCR382	89052595	19890525	Plutonium-238	13.000	PCI/G		0.0	0.0	U	SCRDATA
TF79	000323	20010718	Plutonium-238	13.760	PCI/G	13.760	8.0	12.0	U	TF2001
TF76	000126	20010720	Plutonium-238	13.990	PCI/G	13.990	8.0	12.0	U	TF2001
SCR382	89052510	19890525	Plutonium-238	14.000	PCI/G		3.0	3.0	U	SCRDATA
TF79	000321	20010718	Plutonium-238	15.130	PCI/G	15.130	0.0	4.0	U	TF2001
TF75	000331	20010718	Plutonium-238	15.170	PCI/G	15.170	0.0	4.0	U	TF2001
TF75	000339	20010718	Plutonium-238	15.560	PCI/G	15.560	32.0	36.0	U	TF2001
TF78	000221	20010710	Plutonium-238	15.680	PCI/G	15.680	32.0	36.0	U	TF2001
TF85	000289	20010716	Plutonium-238	16.240	PCI/G	16.240	28.0	30.0	U	TF2001
TF81	000253	20010712	Plutonium-238	16.270	PCI/G	16.270	8.0	12.0	U	TF2001
TF81	000255	20010712	Plutonium-238	17.060	PCI/G	17.060	12.0	16.0	U	TF2001
TF52	000024	20010706	Plutonium-238	17.360	PCI/G	17.360	0.0	4.0	U	TF2001
TF79	000326	20010718	Plutonium-238	17.540	PCI/G	17.540	20.0	24.0	U	TF2001
TF76	000127	20010718	Plutonium-238	18.340	PCI/G	18.340	12.0	16.0	U	TF2001
TF81	000252	20010712	Plutonium-238	18.590	PCI/G	18.590	4.0	8.0	U	TF2001
SCR382	89052598	19890525	Plutonium-238	19.000	PCI/G		2.0	2.0	U	SCRDATA
TF75	000336	20010718	Plutonium-238	19.020	PCI/G	19.020	20.0	24.0	U	TF2001
TF78	000220	20010710	Plutonium-238	19.470	PCI/G	19.470	28.0	32.0	U	TF2001
TF85	000286	20010716	Plutonium-238	19.560	PCI/G	19.560	16.0	20.0	U	TF2001
TF78	000213	20010710	Plutonium-238	19.730	PCI/G	19.730	4.0	8.0	U	TF2001
TF78	000217	20010710	Plutonium-238	20.070	PCI/G	20.070	16.0	20.0	U	TF2001
TF75	000333	20010718	Plutonium-238	20.460	PCI/G	20.460	8.0	12.0	U	TF2001
TF85	000284	20010716	Plutonium-238	20.530	PCI/G	20.530	12.0	16.0	U	TF2001
TF82	000248	20010712	Plutonium-238	20.630	PCI/G	20.630	16.0	20.0	U	TF2001
TF79	000329	20010718	Plutonium-238	20.660	PCI/G	20.660	32.0	36.0	U	TF2001
TF82	000246	20010712	Plutonium-238	20.690	PCI/G	20.690	8.0	12.0	U	TF2001
TF82	000245	20010712	Plutonium-238	20.770	PCI/G	20.770	4.0	8.0	U	TF2001
TF75	000338	20010718	Plutonium-238	20.940	PCI/G	20.940	28.0	32.0	U	TF2001
TF81	000258	20010712	Plutonium-238	22.080	PCI/G	22.080	24.0	28.0	U	TF2001
TF78	000216	20010710	Plutonium-238	22.610	PCI/G	22.610	12.0	16.0	U	TF2001
TF82	000249	20010712	Plutonium-238	22.890	PCI/G	22.890	20.0	24.0	U	TF2001
SCR382	89052597	19890525	Plutonium-238	23.000	PCI/G		2.0	2.0	U	SCRDATA

Location_na	Sample_i	Collection_	Value_name	Measured_	Value_u	Detection_	Start_d	End_	Lab Dat	Project_code
TF79	000327	20010718	Plutonium-238	23.560	PCI/G	23.560	24.0	28.0	U	TF2001
TF78	000215	20010710	Plutonium-238	24.220	PCI/G	24.220	8.0	12.0	U	TF2001
TF76	000124	20010718	Plutonium-238	24.680	PCI/G	24.680	4.0	8.0	U	TF2001
TF75	000332	20010718	Plutonium-238	25.650	PCI/G	25.650	4.0	8.0	U	TF2001
TF79	000328	20010718	Plutonium-238	26.440	PCI/G	26.440	28.0	32.0	U	TF2001
TF62	000053	20010709	Plutonium-238	26.910	PCI/G	26.910	0.0	4.0	U	TF2001
TF61	000052	20010709	Plutonium-238	27.200	PCI/G	27.200	0.0	4.0	U	TF2001
TF50	000022	20010706	Plutonium-238	28.330	PCI/G	28.330	0.0	4.0	U	TF2001
TF56	000047	20010709	Plutonium-238	29.370	PCI/G	29.370	0.0	4.0	U	TF2001
TF82	000243	20010712	Plutonium-238	29.520	PCI/G	29.520	0.0	4.0	U	TF2001
TF55	000026	20010706	Plutonium-238	29.620	PCI/G	29.620	0.0	4.0	U	TF2001
TF81	000256	20010712	Plutonium-238	30.850	PCI/G	30.850	16.0	20.0	U	TF2001
TF79	000324	20010718	Plutonium-238	30.860	PCI/G	30.860	12.0	16.0	U	TF2001
TF75	000334	20010718	Plutonium-238	31.400	PCI/G	31.400	12.0	16.0	U	TF2001
TF85	000281	20010716	Plutonium-238	31.780	PCI/G	31.780	0.0	4.0	U	TF2001
TF81	000259	20010712	Plutonium-238	32.050	PCI/G	32.050	28.0	32.0	U	TF2001
TF85	000287	20010716	Plutonium-238	32.070	PCI/G	32.070	20.0	24.0	U	TF2001
TF85	000282	20010716	Plutonium-238	32.480	PCI/G	32.480	4.0	8.0	U	TF2001
TF76	000125	20010718	Plutonium-238	33.420	PCI/G	33.420	8.0	12.0	U	TF2001
TF59	000054	20010709	Plutonium-238	35.090	PCI/G	35.090	0.0	4.0	U	TF2001
TF78	000214	20010710	Plutonium-238	36.800	PCI/G	36.800	4.0	8.0	U	TF2001
TF81	000228	20010711	Plutonium-238	38.550	PCI/G	38.550	12.0	16.0	U	TF2001
TF75	000330	20010718	Plutonium-238	39.800	PCI/G	39.800	0.0	4.0	U	TF2001
TF52	000023	20010706	Plutonium-238	40.450	PCI/G	40.450	0.0	4.0	U	TF2001
SGC059	A13059	19960208	Plutonium-239/240	0.002	PCI/G	0.002	0.0	3.0	U	SGCSP
SGC058	A13058	19960221	Plutonium-239/240	0.003	PCI/G	0.003	0.0	0.0	U	SGCSP
SGC061	A13061	19960208	Plutonium-239/240	0.004	PCI/G	0.004	0.0	3.0	U	SGCSP
SGC056	A13056	19960208	Plutonium-239/240	0.005	PCI/G	0.005	0.0	1.5	U	SGCSP
SGC059	A13059	19960208	Pyrene	360.000	UG/KG	360.000	0.0	3.0	U	SGCSP
SGC061	A13061	19960208	Pyrene	370.000	UG/KG	370.000	0.0	3.0	U	SGCSP
SGC056	A13056	19960208	Radium-226	0.412	PCI/G	0.412	0.0	1.5	U	SGCSP
TF81	000251	20010712	Radium-226	0.544	PCI/G	0.544	0.0	4.0	U	TF2001
TF79	000322	20010718	Radium-226	0.576	PCI/G	0.576	4.0	8.0	U	TF2001
TF79	000320	20010718	Radium-226	0.677	PCI/G	0.677	0.0	4.0	U	TF2001
TF78	000218	20010710	Radium-226	0.709	PCI/G	0.709	20.0	24.0	U	TF2001
TF75	000335	20010718	Radium-226	0.743	PCI/G	0.743	16.0	20.0	U	TF2001
TF79	000321	20010718	Radium-226	0.881	PCI/G	0.881	0.0	4.0	U	TF2001
TF78	000213	20010710	Radium-226	0.962	PCI/G	0.962	4.0	8.0	U	TF2001
TF75	000338	20010718	Radium-226	0.974	PCI/G	0.974	28.0	32.0	U	TF2001
TF85	000286	20010716	Radium-226	0.975	PCI/G	0.975	16.0	20.0	U	TF2001

Location_na	Sample_i	Collection_	Value_name	Measured_	Value_u	Detection_	Start_d	End_	Lab Dat	Project_code
TF82	000246	20010712	Radium-226	1.033	PCI/G	1.033	8.0	12.0	U	TF2001
TF82	000249	20010712	Radium-226	1.054	PCI/G	1.054	20.0	24.0	U	TF2001
TF82	000245	20010712	Radium-226	1.082	PCI/G	1.082	4.0	8.0	U	TF2001
TF75	000330	20010718	Radium-226	1.233	PCI/G	1.233	0.0	4.0	U	TF2001
TF56	000047	20010709	Radium-226	1.282	PCI/G	1.282	0.0	4.0	U	TF2001
TF81	000228	20010711	Radium-226	1.346	PCI/G	1.346	12.0	16.0	U	TF2001
TF61	000052	20010709	Radium-226	1.367	PCI/G	1.367	0.0	4.0	U	TF2001
TF59	000054	20010709	Radium-226	1.482	PCI/G	1.482	0.0	4.0	U	TF2001
SGC058	A13058	19960221	RDX	897.000	UG/KG	897.000	0.0	0.0	U	SGCSP
SGC059	A13059	19960208	RDX	901.000	UG/KG	901.000	0.0	3.0	U	SGCSP
SGC056	A13056	19960208	RDX	905.000	UG/KG	905.000	0.0	1.5	U	SGCSP
SGC061	A13061	19960208	RDX	922.000	UG/KG	922.000	0.0	3.0	U	SGCSP
SGC058	A13058	19960221	Selenium	0.190	MG/KG		0.0	0.0	U	SGCSP
SGC061	A13061	19960208	Selenium	0.200	MG/KG		0.0	3.0	U	SGCSP
SGC059	A13059	19960208	Selenium	1.900	MG/KG		0.0	3.0	U	SGCSP
SGC056	A13056	19960208	Selenium	1.900	MG/KG		0.0	1.5	U	SGCSP
SGC058	A13058	19960221	Silver	0.170	MG/KG		0.0	0.0	U	SGCSP
SGC056	A13056	19960208	Silver	0.250	MG/KG		0.0	1.5	U	SGCSP
SGC059	A13059	19960208	Silver	0.260	MG/KG		0.0	3.0	U	SGCSP
SGC061	A13061	19960208	Silver	0.270	MG/KG		0.0	3.0	U	SGCSP
TF85	000286	20010716	Styrene	5.000	UG/KG	5.000	16.0	20.0	U	TF2001
TF85	000287	20010716	Styrene	5.000	UG/KG	5.000	20.0	24.0	U	TF2001
TF85	000289	20010716	Styrene	5.000	UG/KG	5.000	28.0	30.0	U	TF2001
TF85	000285	20010716	Styrene	5.000	UG/KG	5.000	16.0	20.0	U	TF2001
TF85	000283	20010716	Styrene	5.000	UG/KG	5.000	8.0	12.0	U	UJ TF2001
TF85	000282	20010716	Styrene	5.000	UG/KG	5.000	4.0	8.0	U	TF2001
TF79	000321	20010718	Styrene	5.000	UG/KG	5.000	0.0	4.0	U	TF2001
TF79	000327	20010718	Styrene	5.000	UG/KG	5.000	24.0	28.0	U	TF2001
TF79	000320	20010718	Styrene	5.000	UG/KG	5.000	0.0	4.0	U	TF2001
TF79	000322	20010718	Styrene	5.000	UG/KG	5.000	4.0	8.0	U	TF2001
TF79	000328	20010718	Styrene	5.000	UG/KG	5.000	28.0	32.0	U	TF2001
TF79	000325	20010718	Styrene	5.000	UG/KG	5.000	16.0	20.0	U	TF2001
TF78	000221	20010710	Styrene	5.000	UG/KG	5.000	32.0	36.0	U	TF2001
TF78	000215	20010710	Styrene	5.000	UG/KG	5.000	8.0	12.0	U	TF2001
TF78	000213	20010710	Styrene	5.000	UG/KG	5.000	4.0	8.0	U	TF2001
TF76	000127	20010718	Styrene	5.000	UG/KG	5.000	12.0	16.0	U	TF2001
SGC059	A13059	19960208	Styrene	5.000	UG/KG	5.000	0.0	3.0	U	SGCSP
TF85	000288	20010716	Styrene	6.000	UG/KG	6.000	24.0	28.0	U	TF2001
TF85	000284	20010716	Styrene	6.000	UG/KG	6.000	12.0	16.0	U	TF2001
TF85	000281	20010716	Styrene	6.000	UG/KG	6.000	0.0	4.0	U	TF2001

Location_na	Sample_i	Collection_	Value_name	Measured_	Value_u	Detection_	Start_d	End_	Lab	Dat	Project_code
TF82	000244	20010712	Styrene	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF82	000246	20010712	Styrene	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF82	000247	20010712	Styrene	6.000	UG/KG	6.000	16.0	20.0	U	UJ	TF2001
TF82	000243	20010712	Styrene	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF82	000248	20010712	Styrene	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF82	000245	20010712	Styrene	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF82	000249	20010712	Styrene	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF82	000250	20010712	Styrene	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF81	000228	20010711	Styrene	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF81	000254	20010712	Styrene	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF81	000252	20010712	Styrene	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF81	000251	20010712	Styrene	6.000	UG/KG	6.000	0.0	4.0	U	UJ	TF2001
TF81	000259	20010712	Styrene	6.000	UG/KG	6.000	28.0	32.0	U		TF2001
TF81	000253	20010712	Styrene	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF81	000255	20010712	Styrene	6.000	UG/KG	6.000	12.0	16.0	U	UJ	TF2001
TF81	000257	20010712	Styrene	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF81	000258	20010712	Styrene	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF81	000256	20010712	Styrene	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF79	000326	20010718	Styrene	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF79	000324	20010718	Styrene	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF79	000323	20010718	Styrene	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF79	000329	20010718	Styrene	6.000	UG/KG	6.000	32.0	36.0	U		TF2001
TF78	000214	20010710	Styrene	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF78	000217	20010710	Styrene	6.000	UG/KG	6.000	16.0	20.0	U	UJ	TF2001
TF78	000218	20010710	Styrene	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF78	000219	20010710	Styrene	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF78	000216	20010710	Styrene	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF78	000220	20010710	Styrene	6.000	UG/KG	6.000	28.0	32.0	U		TF2001
TF78	000212	20010710	Styrene	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF76	000126	20010720	Styrene	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF76	000124	20010718	Styrene	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF76	000123	20010718	Styrene	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF76	000125	20010718	Styrene	6.000	UG/KG	6.000	8.0	12.0	U	UJ	TF2001
TF75	000331	20010718	Styrene	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF75	000333	20010718	Styrene	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF75	000334	20010718	Styrene	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF75	000335	20010718	Styrene	6.000	UG/KG	6.000	16.0	20.0	U	UJ	TF2001
TF75	000332	20010718	Styrene	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF75	000339	20010718	Styrene	6.000	UG/KG	6.000	32.0	36.0	U		TF2001
TF75	000338	20010718	Styrene	6.000	UG/KG	6.000	28.0	32.0	U	UJ	TF2001

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Location_na	Sample_i	Collection_	Value_name	Measured_	Value_u	Detection_	Start_d	End_	Lab	Dat	Project_code
TF75	000336	20010718	Styrene	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF75	000337	20010720	Styrene	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF75	000330	20010718	Styrene	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
SGC058	A13058	19960221	Styrene	6.000	UG/KG	6.000	0.0	0.0	U		SGCSP
SGC056	A13056	19960208	Styrene	6.000	UG/KG	6.000	0.0	1.5	U		SGCSP
SGC061	A13061	19960208	Styrene	6.000	UG/KG	6.000	0.0	3.0	U		SGCSP
SGC061	A13061	19960208	Styrene	1400.000	UG/KG	1400.000	0.0	3.0	U		SGCSP
TF85	000286	20010716	Tetrachloroethene	5.000	UG/KG	5.000	16.0	20.0	U		TF2001
TF85	000287	20010716	Tetrachloroethene	5.000	UG/KG	5.000	20.0	24.0	U		TF2001
TF85	000289	20010716	Tetrachloroethene	5.000	UG/KG	5.000	28.0	30.0	U		TF2001
TF85	000285	20010716	Tetrachloroethene	5.000	UG/KG	5.000	16.0	20.0	U		TF2001
TF85	000283	20010716	Tetrachloroethene	5.000	UG/KG	5.000	8.0	12.0	U	UJ	TF2001
TF85	000282	20010716	Tetrachloroethene	5.000	UG/KG	5.000	4.0	8.0	U		TF2001
TF79	000321	20010718	Tetrachloroethene	5.000	UG/KG	5.000	0.0	4.0	U		TF2001
TF79	000327	20010718	Tetrachloroethene	5.000	UG/KG	5.000	24.0	28.0	U		TF2001
TF79	000320	20010718	Tetrachloroethene	5.000	UG/KG	5.000	0.0	4.0	U		TF2001
TF79	000322	20010718	Tetrachloroethene	5.000	UG/KG	5.000	4.0	8.0	U		TF2001
TF79	000328	20010718	Tetrachloroethene	5.000	UG/KG	5.000	28.0	32.0	U		TF2001
TF79	000325	20010718	Tetrachloroethene	5.000	UG/KG	5.000	16.0	20.0	U		TF2001
TF78	000221	20010710	Tetrachloroethene	5.000	UG/KG	5.000	32.0	36.0	U		TF2001
TF78	000215	20010710	Tetrachloroethene	5.000	UG/KG	5.000	8.0	12.0	U		TF2001
TF78	000213	20010710	Tetrachloroethene	5.000	UG/KG	5.000	4.0	8.0	U		TF2001
TF76	000127	20010718	Tetrachloroethene	5.000	UG/KG	5.000	12.0	16.0	U		TF2001
SGC059	A13059	19960208	Tetrachloroethene	5.000	UG/KG	5.000	0.0	3.0	U		SGCSP
TF85	000288	20010716	Tetrachloroethene	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF85	000284	20010716	Tetrachloroethene	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF85	000281	20010716	Tetrachloroethene	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF82	000244	20010712	Tetrachloroethene	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF82	000246	20010712	Tetrachloroethene	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF82	000247	20010712	Tetrachloroethene	6.000	UG/KG	6.000	16.0	20.0	U	UJ	TF2001
TF82	000243	20010712	Tetrachloroethene	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF82	000248	20010712	Tetrachloroethene	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF82	000245	20010712	Tetrachloroethene	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF82	000249	20010712	Tetrachloroethene	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF82	000250	20010712	Tetrachloroethene	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF81	000228	20010711	Tetrachloroethene	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF81	000254	20010712	Tetrachloroethene	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF81	000252	20010712	Tetrachloroethene	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF81	000251	20010712	Tetrachloroethene	6.000	UG/KG	6.000	0.0	4.0	U	UJ	TF2001
TF81	000259	20010712	Tetrachloroethene	6.000	UG/KG	6.000	28.0	32.0	U		TF2001

Location_na	Sample_i	Collection_	Value_name	Measured_	Value_u	Detection_	Start_d	End_	Lab	Dat	Project_code
TF81	000253	20010712	Tetrachloroethene	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF81	000255	20010712	Tetrachloroethene	6.000	UG/KG	6.000	12.0	16.0	U	UJ	TF2001
TF81	000257	20010712	Tetrachloroethene	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF81	000258	20010712	Tetrachloroethene	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF81	000256	20010712	Tetrachloroethene	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF79	000326	20010718	Tetrachloroethene	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF79	000324	20010718	Tetrachloroethene	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF79	000323	20010718	Tetrachloroethene	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF79	000329	20010718	Tetrachloroethene	6.000	UG/KG	6.000	32.0	36.0	U		TF2001
TF78	000214	20010710	Tetrachloroethene	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF78	000217	20010710	Tetrachloroethene	6.000	UG/KG	6.000	16.0	20.0	U	UJ	TF2001
TF78	000218	20010710	Tetrachloroethene	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF78	000219	20010710	Tetrachloroethene	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF78	000216	20010710	Tetrachloroethene	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF78	000220	20010710	Tetrachloroethene	6.000	UG/KG	6.000	28.0	32.0	U		TF2001
TF78	000212	20010710	Tetrachloroethene	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF76	000126	20010720	Tetrachloroethene	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF76	000124	20010718	Tetrachloroethene	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF76	000123	20010718	Tetrachloroethene	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF76	000125	20010718	Tetrachloroethene	6.000	UG/KG	6.000	8.0	12.0	U	UJ	TF2001
TF75	000331	20010718	Tetrachloroethene	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF75	000333	20010718	Tetrachloroethene	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF75	000334	20010718	Tetrachloroethene	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF75	000335	20010718	Tetrachloroethene	6.000	UG/KG	6.000	16.0	20.0	U	UJ	TF2001
TF75	000332	20010718	Tetrachloroethene	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF75	000339	20010718	Tetrachloroethene	6.000	UG/KG	6.000	32.0	36.0	U		TF2001
TF75	000338	20010718	Tetrachloroethene	6.000	UG/KG	6.000	28.0	32.0	U	UJ	TF2001
TF75	000336	20010718	Tetrachloroethene	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF75	000337	20010720	Tetrachloroethene	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF75	000330	20010718	Tetrachloroethene	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
SGC058	A13058	19960221	Tetrachloroethene	6.000	UG/KG	6.000	0.0	0.0	U		SGCSP
SGC056	A13056	19960208	Tetrachloroethene	6.000	UG/KG	6.000	0.0	1.5	U		SGCSP
SGC061	A13061	19960208	Tetrachloroethene	1400.000	UG/KG	1400.000	0.0	3.0	U		SGCSP
SGC058	A13058	19960221	Tetryl	673.000	UG/KG	673.000	0.0	0.0	U		SGCSP
SGC059	A13059	19960208	Tetryl	676.000	UG/KG	676.000	0.0	3.0	U		SGCSP
SGC056	A13056	19960208	Tetryl	679.000	UG/KG	679.000	0.0	1.5	U		SGCSP
SGC061	A13061	19960208	Tetryl	691.000	UG/KG	691.000	0.0	3.0	U		SGCSP
SGC058	A13058	19960221	Thallium	0.190	MG/KG		0.0	0.0	U		SGCSP
SGC059	A13059	19960208	Thallium	0.340	MG/KG		0.0	3.0	U		SGCSP
SGC056	A13056	19960208	Thallium	0.340	MG/KG		0.0	1.5	U		SGCSP

Location_na	Sample_i	Collection_	Value_name	Measured_	Value_u	Detection_	Start_d	End_	Lab Dat	Project_code
SGC061	A13061	19960208	Thallium	3.500	MG/KG		0.0	3.0	U	SGCSP
TF79	000322	20010718	Thorium-230	3.695	PCI/G	3.695	4.0	8.0	U	TF2001
TF79	000320	20010718	Thorium-230	4.132	PCI/G	4.132	0.0	4.0	U	TF2001
TF81	000251	20010712	Thorium-230	4.211	PCI/G	4.211	0.0	4.0	U	TF2001
TF78	000218	20010710	Thorium-230	4.649	PCI/G	4.649	20.0	24.0	U	TF2001
TF82	000250	20010712	Thorium-230	4.744	PCI/G	4.744	24.0	28.0	U	TF2001
TF81	000254	20010712	Thorium-230	4.816	PCI/G	4.816	8.0	12.0	U	TF2001
TF85	000285	20010716	Thorium-230	4.909	PCI/G	4.909	16.0	20.0	U	TF2001
TF82	000247	20010712	Thorium-230	4.918	PCI/G	4.918	16.0	20.0	U	TF2001
TF76	000123	20010718	Thorium-230	4.961	PCI/G	4.961	0.0	4.0	U	TF2001
TF81	000257	20010712	Thorium-230	5.112	PCI/G	5.112	20.0	24.0	U	TF2001
TF75	000331	20010718	Thorium-230	5.156	PCI/G	5.156	0.0	4.0	U	TF2001
TF78	000219	20010710	Thorium-230	5.291	PCI/G	5.291	24.0	28.0	U	TF2001
TF85	000288	20010716	Thorium-230	5.368	PCI/G	5.368	24.0	28.0	U	TF2001
TF82	000244	20010712	Thorium-230	5.383	PCI/G	5.383	0.0	4.0	U	TF2001
TF58	000051	20010709	Thorium-230	5.389	PCI/G	5.389	0.0	4.0	U	TF2001
TF85	000283	20010716	Thorium-230	5.469	PCI/G	5.469	8.0	12.0	U	TF2001
TF78	000212	20010710	Thorium-230	5.532	PCI/G	5.532	0.0	4.0	U	TF2001
TF75	000337	20010720	Thorium-230	5.588	PCI/G	5.588	24.0	28.0	U	TF2001
TF75	000335	20010718	Thorium-230	5.631	PCI/G	5.631	16.0	20.0	U	TF2001
TF79	000325	20010718	Thorium-230	5.637	PCI/G	5.637	16.0	20.0	U	TF2001
TF76	000126	20010720	Thorium-230	5.944	PCI/G	5.944	8.0	12.0	U	TF2001
TF52	000024	20010706	Thorium-230	6.203	PCI/G	6.203	0.0	4.0	U	TF2001
TF81	000252	20010712	Thorium-230	6.385	PCI/G	6.385	4.0	8.0	U	TF2001
TF81	000255	20010712	Thorium-230	6.642	PCI/G	6.642	12.0	16.0	U	TF2001
TF79	000321	20010718	Thorium-230	6.848	PCI/G	6.848	0.0	4.0	U	TF2001
TF82	000248	20010712	Thorium-230	6.998	PCI/G	6.998	16.0	20.0	U	TF2001
TF78	000220	20010710	Thorium-230	7.252	PCI/G	7.252	28.0	32.0	U	TF2001
TF79	000329	20010718	Thorium-230	7.363	PCI/G	7.363	32.0	36.0	U	TF2001
TF79	000323	20010718	Thorium-230	7.471	PCI/G	7.471	8.0	12.0	U	TF2001
TF85	000289	20010716	Thorium-230	7.588	PCI/G	7.588	28.0	30.0	U	TF2001
TF81	000258	20010712	Thorium-230	7.747	PCI/G	7.747	24.0	28.0	U	TF2001
TF75	000333	20010718	Thorium-230	7.796	PCI/G	7.796	8.0	12.0	U	TF2001
TF76	000124	20010718	Thorium-230	7.841	PCI/G	7.841	4.0	8.0	U	TF2001
TF75	000338	20010718	Thorium-230	7.847	PCI/G	7.847	28.0	32.0	U	TF2001
TF56	000047	20010709	Thorium-230	8.010	PCI/G	8.010	0.0	4.0	U	TF2001
TF79	000327	20010718	Thorium-230	8.196	PCI/G	8.196	24.0	28.0	U	TF2001
TF79	000326	20010718	Thorium-230	8.232	PCI/G	8.232	20.0	24.0	U	TF2001
TF85	000281	20010716	Thorium-230	8.266	PCI/G	8.266	0.0	4.0	U	TF2001
TF75	000336	20010718	Thorium-230	8.295	PCI/G	8.295	20.0	24.0	U	TF2001

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Location_na	Sample_i	Collection_	Value_name	Measured_	Value_u	Detection_	Start_d	End_	Lab Dat	Project_code
TF75	000339	20010718	Thorium-230	8.319	PCI/G	8.319	32.0	36.0	U	TF2001
TF76	000127	20010718	Thorium-230	8.506	PCI/G	8.506	12.0	16.0	U	TF2001
TF78	000216	20010710	Thorium-230	8.591	PCI/G	8.591	12.0	16.0	U	TF2001
TF85	000286	20010716	Thorium-230	8.696	PCI/G	8.696	16.0	20.0	U	TF2001
TF75	000332	20010718	Thorium-230	8.763	PCI/G	8.763	4.0	8.0	U	TF2001
TF78	000213	20010710	Thorium-230	8.796	PCI/G	8.796	4.0	8.0	U	TF2001
TF75	000334	20010718	Thorium-230	9.000	PCI/G	9.000	12.0	16.0	U	TF2001
TF55	000026	20010706	Thorium-230	9.004	PCI/G	9.004	0.0	4.0	U	TF2001
TF81	000256	20010712	Thorium-230	9.100	PCI/G	9.100	16.0	20.0	U	TF2001
TF82	000245	20010712	Thorium-230	9.151	PCI/G	9.151	4.0	8.0	U	TF2001
TF85	000287	20010716	Thorium-230	9.173	PCI/G	9.173	20.0	24.0	U	TF2001
TF78	000214	20010710	Thorium-230	9.180	PCI/G	9.180	4.0	8.0	U	TF2001
TF81	000228	20010711	Thorium-230	9.200	PCI/G	9.200	12.0	16.0	U	TF2001
TF78	000221	20010710	Thorium-230	9.200	PCI/G	9.200	32.0	36.0	U	TF2001
TF62	000053	20010709	Thorium-230	9.220	PCI/G	9.220	0.0	4.0	U	TF2001
TF61	000052	20010709	Thorium-230	9.272	PCI/G	9.272	0.0	4.0	U	TF2001
TF78	000215	20010710	Thorium-230	9.342	PCI/G	9.342	8.0	12.0	U	TF2001
TF78	000217	20010710	Thorium-230	9.384	PCI/G	9.384	16.0	20.0	U	TF2001
TF85	000284	20010716	Thorium-230	9.414	PCI/G	9.414	12.0	16.0	U	TF2001
TF76	000125	20010718	Thorium-230	9.450	PCI/G	9.450	8.0	12.0	U	TF2001
TF79	000328	20010718	Thorium-230	9.482	PCI/G	9.482	28.0	32.0	U	TF2001
TF82	000249	20010712	Thorium-230	9.527	PCI/G	9.527	20.0	24.0	U	TF2001
TF82	000246	20010712	Thorium-230	9.602	PCI/G	9.602	8.0	12.0	U	TF2001
TF75	000330	20010718	Thorium-230	9.680	PCI/G	9.680	0.0	4.0	U	TF2001
TF82	000243	20010712	Thorium-230	9.747	PCI/G	9.747	0.0	4.0	U	TF2001
TF81	000253	20010712	Thorium-230	9.800	PCI/G	9.800	8.0	12.0	U	TF2001
TF52	000023	20010706	Thorium-230	9.800	PCI/G	9.800	0.0	4.0	U	TF2001
TF79	000324	20010718	Thorium-230	9.801	PCI/G	9.801	12.0	16.0	U	TF2001
TF85	000282	20010716	Thorium-230	9.820	PCI/G	9.820	4.0	8.0	U	TF2001
TF50	000022	20010706	Thorium-230	9.858	PCI/G	9.858	0.0	4.0	U	TF2001
TF81	000259	20010712	Thorium-230	9.950	PCI/G	9.950	28.0	32.0	U	TF2001
TF59	000054	20010709	Thorium-230	9.980	PCI/G	9.980	0.0	4.0	U	TF2001
TF79	000322	20010718	Thorium-232	0.142	PCI/G	0.142	4.0	8.0	U	TF2001
TF59	000054	20010709	Thorium-232	0.196	PCI/G	0.196	0.0	4.0	U	TF2001
TF82	000249	20010712	Thorium-232	0.201	PCI/G	0.201	20.0	24.0	U	TF2001
TF56	000047	20010709	Thorium-232	0.215	PCI/G	0.215	0.0	4.0	U	TF2001
SCR382	89052510	19890525	Thorium-232	0.900	PCI/G		3.0	3.0	U	SCRDATA
SCR382	89052598	19890525	Thorium-232	1.100	PCI/G		2.0	2.0	U	SCRDATA
SCR382	89052595	19890525	Thorium-232	1.300	PCI/G		0.0	0.0	U	SCRDATA
SCR382	89052597	19890525	Thorium-232	1.400	PCI/G		2.0	2.0	U	SCRDATA

Location_na	Sample_i	Collection_	Value_name	Measured_	Value_u	Detection_	Start_d	End_	Lab	Dat	Project_code
SCR382	89052594	19890525	Thorium-232	1.700	PCI/G		0.0	0.0	U		SCRDATA
S0670	4029	19831001	Thorium-232	2.000	PCI/G	2.000	0.0	0.0	U		RSS
S0678	4030	19831001	Thorium-232	2.000	PCI/G	2.000	0.0	0.0	U		RSS
S0676	7193	19840901	Thorium-232	2.000	PCI/G	2.000	0.0	0.0	U		RSS
SGC056	A13056	19960208	Tin	0.570	MG/KG		0.0	1.5	U		SGCSP
SGC058	A13058	19960221	Tin	0.790	MG/KG		0.0	0.0	U		SGCSP
TF85	000286	20010716	Toluene	5.000	UG/KG	5.000	16.0	20.0	U		TF2001
TF85	000287	20010716	Toluene	5.000	UG/KG	5.000	20.0	24.0	U		TF2001
TF85	000289	20010716	Toluene	5.000	UG/KG	5.000	28.0	30.0	U		TF2001
TF85	000285	20010716	Toluene	5.000	UG/KG	5.000	16.0	20.0	U		TF2001
TF85	000283	20010716	Toluene	5.000	UG/KG	5.000	8.0	12.0	U	UJ	TF2001
TF85	000282	20010716	Toluene	5.000	UG/KG	5.000	4.0	8.0	U		TF2001
TF79	000321	20010718	Toluene	5.000	UG/KG	5.000	0.0	4.0	U		TF2001
TF79	000327	20010718	Toluene	5.000	UG/KG	5.000	24.0	28.0	U		TF2001
TF79	000320	20010718	Toluene	5.000	UG/KG	5.000	0.0	4.0	U		TF2001
TF79	000322	20010718	Toluene	5.000	UG/KG	5.000	4.0	8.0	U		TF2001
TF79	000328	20010718	Toluene	5.000	UG/KG	5.000	28.0	32.0	U		TF2001
TF79	000325	20010718	Toluene	5.000	UG/KG	5.000	16.0	20.0	U		TF2001
TF78	000215	20010710	Toluene	5.000	UG/KG	5.000	8.0	12.0	U		TF2001
TF78	000213	20010710	Toluene	5.000	UG/KG	5.000	4.0	8.0	U		TF2001
TF76	000127	20010718	Toluene	5.000	UG/KG	5.000	12.0	16.0	U		TF2001
TF85	000288	20010716	Toluene	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF85	000284	20010716	Toluene	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF85	000281	20010716	Toluene	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF82	000244	20010712	Toluene	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF82	000246	20010712	Toluene	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF82	000247	20010712	Toluene	6.000	UG/KG	6.000	16.0	20.0	U	UJ	TF2001
TF82	000243	20010712	Toluene	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF82	000245	20010712	Toluene	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF82	000250	20010712	Toluene	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF81	000254	20010712	Toluene	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF81	000252	20010712	Toluene	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF81	000251	20010712	Toluene	6.000	UG/KG	6.000	0.0	4.0	U	UJ	TF2001
TF81	000259	20010712	Toluene	6.000	UG/KG	6.000	28.0	32.0	U		TF2001
TF81	000253	20010712	Toluene	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF81	000255	20010712	Toluene	6.000	UG/KG	6.000	12.0	16.0	U	UJ	TF2001
TF81	000256	20010712	Toluene	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF79	000326	20010718	Toluene	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF79	000324	20010718	Toluene	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF79	000323	20010718	Toluene	6.000	UG/KG	6.000	8.0	12.0	U		TF2001

Location_na	Sample_i	Collection_	Value_name	Measured_	Value_u	Detection_	Start_d	End_	Lab	Dat	Project_code
TF79	000329	20010718	Toluene	6.000	UG/KG	6.000	32.0	36.0	U		TF2001
TF78	000214	20010710	Toluene	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF78	000217	20010710	Toluene	6.000	UG/KG	6.000	16.0	20.0	U	UJ	TF2001
TF78	000218	20010710	Toluene	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF78	000216	20010710	Toluene	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF78	000220	20010710	Toluene	6.000	UG/KG	6.000	28.0	32.0	U		TF2001
TF78	000212	20010710	Toluene	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF76	000126	20010720	Toluene	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF76	000124	20010718	Toluene	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF76	000123	20010718	Toluene	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF76	000125	20010718	Toluene	6.000	UG/KG	6.000	8.0	12.0	U	UJ	TF2001
TF75	000331	20010718	Toluene	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF75	000333	20010718	Toluene	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF75	000334	20010718	Toluene	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF75	000335	20010718	Toluene	6.000	UG/KG	6.000	16.0	20.0	U	UJ	TF2001
TF75	000332	20010718	Toluene	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF75	000339	20010718	Toluene	6.000	UG/KG	6.000	32.0	36.0	U		TF2001
TF75	000338	20010718	Toluene	6.000	UG/KG	6.000	28.0	32.0	U	UJ	TF2001
TF75	000336	20010718	Toluene	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF75	000337	20010720	Toluene	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF75	000330	20010718	Toluene	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
SGC058	A13058	19960221	Toluene	6.000	UG/KG	6.000	0.0	0.0	U		SGCSP
SGC056	A13056	19960208	Toluene	6.000	UG/KG	6.000	0.0	1.5	U		SGCSP
SGC061	A13061	19960208	Toluene	6.000	UG/KG	6.000	0.0	3.0	U		SGCSP
SGC056	A13056	19960208	Toxaphene	170.000	UG/KG	170.000	0.0	1.5	U		SGCSP
SGC059	A13059	19960208	Toxaphene	180.000	UG/KG	180.000	0.0	3.0	U		SGCSP
SGC058	A13058	19960221	Toxaphene	180.000	UG/KG	180.000	0.0	0.0	U		SGCSP
SGC061	A13061	19960208	Toxaphene	180.000	UG/KG	180.000	0.0	3.0	U		SGCSP
TF85	000286	20010716	Trichloroethylene (TCE)	5.000	UG/KG	5.000	16.0	20.0	U		TF2001
TF85	000287	20010716	Trichloroethylene (TCE)	5.000	UG/KG	5.000	20.0	24.0	U		TF2001
TF85	000289	20010716	Trichloroethylene (TCE)	5.000	UG/KG	5.000	28.0	30.0	U		TF2001
TF85	000285	20010716	Trichloroethylene (TCE)	5.000	UG/KG	5.000	16.0	20.0	U		TF2001
TF85	000283	20010716	Trichloroethylene (TCE)	5.000	UG/KG	5.000	8.0	12.0	U	UJ	TF2001
TF85	000282	20010716	Trichloroethylene (TCE)	5.000	UG/KG	5.000	4.0	8.0	U		TF2001
TF79	000327	20010718	Trichloroethylene (TCE)	5.000	UG/KG	5.000	24.0	28.0	U		TF2001
TF79	000320	20010718	Trichloroethylene (TCE)	5.000	UG/KG	5.000	0.0	4.0	U		TF2001
TF79	000322	20010718	Trichloroethylene (TCE)	5.000	UG/KG	5.000	4.0	8.0	U		TF2001
TF79	000328	20010718	Trichloroethylene (TCE)	5.000	UG/KG	5.000	28.0	32.0	U		TF2001
TF79	000325	20010718	Trichloroethylene (TCE)	5.000	UG/KG	5.000	16.0	20.0	U		TF2001
TF78	000221	20010710	Trichloroethylene (TCE)	5.000	UG/KG	5.000	32.0	36.0	U		TF2001

Location_na	Sample_i	Collection_	Value_name	Measured_	Value_u	Detection_	Start_d	End_	Lab	Dat	Project_code
TF78	000215	20010710	Trichloroethylene (TCE)	5.000	UG/KG	5.000	8.0	12.0	U		TF2001
TF78	000213	20010710	Trichloroethylene (TCE)	5.000	UG/KG	5.000	4.0	8.0	U		TF2001
TF76	000127	20010718	Trichloroethylene (TCE)	5.000	UG/KG	5.000	12.0	16.0	U		TF2001
SGC059	A13059	19960208	Trichloroethylene (TCE)	5.000	UG/KG	5.000	0.0	3.0	U		SGCSP
TF85	000288	20010716	Trichloroethylene (TCE)	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF85	000284	20010716	Trichloroethylene (TCE)	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF82	000246	20010712	Trichloroethylene (TCE)	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF82	000247	20010712	Trichloroethylene (TCE)	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF82	000248	20010712	Trichloroethylene (TCE)	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF82	000249	20010712	Trichloroethylene (TCE)	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF82	000250	20010712	Trichloroethylene (TCE)	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF81	000228	20010711	Trichloroethylene (TCE)	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF81	000254	20010712	Trichloroethylene (TCE)	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF81	000259	20010712	Trichloroethylene (TCE)	6.000	UG/KG	6.000	28.0	32.0	U		TF2001
TF81	000253	20010712	Trichloroethylene (TCE)	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF81	000255	20010712	Trichloroethylene (TCE)	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF81	000257	20010712	Trichloroethylene (TCE)	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF81	000258	20010712	Trichloroethylene (TCE)	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF81	000256	20010712	Trichloroethylene (TCE)	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF79	000326	20010718	Trichloroethylene (TCE)	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF79	000324	20010718	Trichloroethylene (TCE)	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF79	000329	20010718	Trichloroethylene (TCE)	6.000	UG/KG	6.000	32.0	36.0	U		TF2001
TF78	000214	20010710	Trichloroethylene (TCE)	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF78	000217	20010710	Trichloroethylene (TCE)	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF78	000218	20010710	Trichloroethylene (TCE)	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF78	000219	20010710	Trichloroethylene (TCE)	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF78	000216	20010710	Trichloroethylene (TCE)	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF78	000220	20010710	Trichloroethylene (TCE)	6.000	UG/KG	6.000	28.0	32.0	U		TF2001
TF78	000212	20010710	Trichloroethylene (TCE)	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF76	000126	20010720	Trichloroethylene (TCE)	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF76	000124	20010718	Trichloroethylene (TCE)	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF76	000123	20010718	Trichloroethylene (TCE)	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF76	000125	20010718	Trichloroethylene (TCE)	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF75	000331	20010718	Trichloroethylene (TCE)	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF75	000333	20010718	Trichloroethylene (TCE)	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF75	000334	20010718	Trichloroethylene (TCE)	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF75	000335	20010718	Trichloroethylene (TCE)	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF75	000332	20010718	Trichloroethylene (TCE)	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF75	000339	20010718	Trichloroethylene (TCE)	6.000	UG/KG	6.000	32.0	36.0	U		TF2001
TF75	000338	20010718	Trichloroethylene (TCE)	6.000	UG/KG	6.000	28.0	32.0	U	UJ	TF2001

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Location_na	Sample_i	Collection_	Value_name	Measured_	Value_u	Detection_	Start_d	End_	Lab Dat	Project_code
TF75	000336	20010718	Trichloroethylene (TCE)	6.000	UG/KG	6.000	20.0	24.0	U	TF2001
TF75	000337	20010720	Trichloroethylene (TCE)	6.000	UG/KG	6.000	24.0	28.0	U	TF2001
TF75	000330	20010718	Trichloroethylene (TCE)	6.000	UG/KG	6.000	0.0	4.0	U	TF2001
SGC058	A13058	19960221	Trichloroethylene (TCE)	6.000	UG/KG	6.000	0.0	0.0	U	SGCSP
SGC056	A13056	19960208	Trichloroethylene (TCE)	6.000	UG/KG	6.000	0.0	1.5	U	SGCSP
SGC056	A13056	19960208	Uranium-235	0.021	PCI/G	0.021	0.0	1.5	U	SGCSP
SGC058	A13058	19960221	Uranium-235	0.024	PCI/G	0.024	0.0	0.0	U	SGCSP
SGC061	A13061	19960208	Uranium-235	0.027	PCI/G	0.027	0.0	3.0	U	SGCSP
SGC059	A13059	19960208	Uranium-235	0.032	PCI/G	0.032	0.0	3.0	U	SGCSP
SGC059	A13059	19960208	Vinyl Acetate	10.000	UG/KG	10.000	0.0	3.0	U	SGCSP
SGC058	A13058	19960221	Vinyl Acetate	11.000	UG/KG	11.000	0.0	0.0	U	SGCSP
SGC056	A13056	19960208	Vinyl Acetate	11.000	UG/KG	11.000	0.0	1.5	U	SGCSP
SGC061	A13061	19960208	Vinyl Acetate	11.000	UG/KG	11.000	0.0	3.0	U	SGCSP
SGC061	A13061	19960208	Vinyl Acetate	2800.000	UG/KG	2800.000	0.0	3.0	U	SGCSP
TF85	000287	20010716	Vinyl Chloride	9.000	UG/KG	9.000	20.0	24.0	U	TF2001
TF85	000286	20010716	Vinyl Chloride	10.000	UG/KG	10.000	16.0	20.0	U	TF2001
TF85	000289	20010716	Vinyl Chloride	10.000	UG/KG	10.000	28.0	30.0	U	TF2001
TF85	000285	20010716	Vinyl Chloride	10.000	UG/KG	10.000	16.0	20.0	U	TF2001
TF85	000283	20010716	Vinyl Chloride	10.000	UG/KG	10.000	8.0	12.0	U	TF2001
TF85	000282	20010716	Vinyl Chloride	10.000	UG/KG	10.000	4.0	8.0	U	TF2001
TF79	000321	20010718	Vinyl Chloride	10.000	UG/KG	10.000	0.0	4.0	U	TF2001
TF79	000320	20010718	Vinyl Chloride	10.000	UG/KG	10.000	0.0	4.0	U	TF2001
TF79	000322	20010718	Vinyl Chloride	10.000	UG/KG	10.000	4.0	8.0	U	TF2001
TF79	000328	20010718	Vinyl Chloride	10.000	UG/KG	10.000	28.0	32.0	U	TF2001
TF78	000221	20010710	Vinyl Chloride	10.000	UG/KG	10.000	32.0	36.0	U	TF2001
TF78	000215	20010710	Vinyl Chloride	10.000	UG/KG	10.000	8.0	12.0	U	TF2001
TF78	000213	20010710	Vinyl Chloride	10.000	UG/KG	10.000	4.0	8.0	U	TF2001
TF76	000127	20010718	Vinyl Chloride	10.000	UG/KG	10.000	12.0	16.0	U	TF2001
SGC059	A13059	19960208	Vinyl Chloride	10.000	UG/KG	10.000	0.0	3.0	U	SGCSP
TF85	000288	20010716	Vinyl Chloride	11.000	UG/KG	11.000	24.0	28.0	U	TF2001
TF85	000281	20010716	Vinyl Chloride	11.000	UG/KG	11.000	0.0	4.0	U	TF2001
TF82	000244	20010712	Vinyl Chloride	11.000	UG/KG	11.000	0.0	4.0	U	TF2001
TF82	000246	20010712	Vinyl Chloride	11.000	UG/KG	11.000	8.0	12.0	U	TF2001
TF82	000247	20010712	Vinyl Chloride	11.000	UG/KG	11.000	16.0	20.0	U	TF2001
TF82	000243	20010712	Vinyl Chloride	11.000	UG/KG	11.000	0.0	4.0	U	TF2001
TF82	000248	20010712	Vinyl Chloride	11.000	UG/KG	11.000	16.0	20.0	U	TF2001
TF82	000245	20010712	Vinyl Chloride	11.000	UG/KG	11.000	4.0	8.0	U	TF2001
TF82	000249	20010712	Vinyl Chloride	11.000	UG/KG	11.000	20.0	24.0	U	TF2001
TF82	000250	20010712	Vinyl Chloride	11.000	UG/KG	11.000	24.0	28.0	U	TF2001
TF81	000228	20010711	Vinyl Chloride	11.000	UG/KG	11.000	12.0	16.0	U	TF2001

Location_na	Sample_i	Collection_	Value_name	Measured_	Value_u	Detection_	Start_d	End_	Lab	Dat	Project_code
TF81	000252	20010712	Vinyl Chloride	11.000	UG/KG	11.000	4.0	8.0	U		TF2001
TF81	000251	20010712	Vinyl Chloride	11.000	UG/KG	11.000	0.0	4.0	U		TF2001
TF81	000259	20010712	Vinyl Chloride	11.000	UG/KG	11.000	28.0	32.0	U		TF2001
TF81	000253	20010712	Vinyl Chloride	11.000	UG/KG	11.000	8.0	12.0	U		TF2001
TF81	000255	20010712	Vinyl Chloride	11.000	UG/KG	11.000	12.0	16.0	U		TF2001
TF81	000258	20010712	Vinyl Chloride	11.000	UG/KG	11.000	24.0	28.0	U		TF2001
TF81	000256	20010712	Vinyl Chloride	11.000	UG/KG	11.000	16.0	20.0	U		TF2001
TF79	000329	20010718	Vinyl Chloride	11.000	UG/KG	11.000	32.0	36.0	U		TF2001
TF78	000214	20010710	Vinyl Chloride	11.000	UG/KG	11.000	4.0	8.0	U		TF2001
TF78	000217	20010710	Vinyl Chloride	11.000	UG/KG	11.000	16.0	20.0	U		TF2001
TF78	000218	20010710	Vinyl Chloride	11.000	UG/KG	11.000	20.0	24.0	U		TF2001
TF78	000219	20010710	Vinyl Chloride	11.000	UG/KG	11.000	24.0	28.0	U		TF2001
TF78	000216	20010710	Vinyl Chloride	11.000	UG/KG	11.000	12.0	16.0	U		TF2001
TF78	000220	20010710	Vinyl Chloride	11.000	UG/KG	11.000	28.0	32.0	U		TF2001
TF78	000212	20010710	Vinyl Chloride	11.000	UG/KG	11.000	0.0	4.0	U		TF2001
TF76	000126	20010720	Vinyl Chloride	11.000	UG/KG	11.000	8.0	12.0	U		TF2001
TF76	000124	20010718	Vinyl Chloride	11.000	UG/KG	11.000	4.0	8.0	U		TF2001
TF76	000123	20010718	Vinyl Chloride	11.000	UG/KG	11.000	0.0	4.0	U		TF2001
TF76	000125	20010718	Vinyl Chloride	11.000	UG/KG	11.000	8.0	12.0	U		TF2001
TF75	000331	20010718	Vinyl Chloride	11.000	UG/KG	11.000	0.0	4.0	U		TF2001
TF75	000333	20010718	Vinyl Chloride	11.000	UG/KG	11.000	8.0	12.0	U		TF2001
TF75	000335	20010718	Vinyl Chloride	11.000	UG/KG	11.000	16.0	20.0	U		TF2001
TF75	000332	20010718	Vinyl Chloride	11.000	UG/KG	11.000	4.0	8.0	U		TF2001
TF75	000338	20010718	Vinyl Chloride	11.000	UG/KG	11.000	28.0	32.0	U	UJ	TF2001
TF75	000337	20010720	Vinyl Chloride	11.000	UG/KG	11.000	24.0	28.0	U		TF2001
TF75	000330	20010718	Vinyl Chloride	11.000	UG/KG	11.000	0.0	4.0	U		TF2001
SGC058	A13058	19960221	Vinyl Chloride	11.000	UG/KG	11.000	0.0	0.0	U		SGCSP
SGC056	A13056	19960208	Vinyl Chloride	11.000	UG/KG	11.000	0.0	1.5	U		SGCSP
SGC061	A13061	19960208	Vinyl Chloride	11.000	UG/KG	11.000	0.0	3.0	U		SGCSP
TF81	000254	20010712	Vinyl Chloride	12.000	UG/KG	12.000	8.0	12.0	U		TF2001
TF81	000257	20010712	Vinyl Chloride	12.000	UG/KG	12.000	20.0	24.0	U		TF2001
TF75	000334	20010718	Vinyl Chloride	12.000	UG/KG	12.000	12.0	16.0	U		TF2001
TF75	000339	20010718	Vinyl Chloride	12.000	UG/KG	12.000	32.0	36.0	U		TF2001
TF75	000336	20010718	Vinyl Chloride	12.000	UG/KG	12.000	20.0	24.0	U		TF2001
TF85	000284	20010716	Vinyl Chloride	13.000	UG/KG	13.000	12.0	16.0	U		TF2001
SGC061	A13061	19960208	Vinyl Chloride	2800.000	UG/KG	2800.000	0.0	3.0	U		SGCSP
TF85	000286	20010716	Xylenes, Total	5.000	UG/KG	5.000	16.0	20.0	U		TF2001
TF85	000287	20010716	Xylenes, Total	5.000	UG/KG	5.000	20.0	24.0	U		TF2001
TF85	000289	20010716	Xylenes, Total	5.000	UG/KG	5.000	28.0	30.0	U		TF2001
TF85	000285	20010716	Xylenes, Total	5.000	UG/KG	5.000	16.0	20.0	U		TF2001

Location_na	Sample_i	Collection_	Value_name	Measured_	Value_u	Detection_	Start_d	End_	Lab	Dat	Project_code
TF85	000283	20010716	Xylenes, Total	5.000	UG/KG	5.000	8.0	12.0	U	UJ	TF2001
TF85	000282	20010716	Xylenes, Total	5.000	UG/KG	5.000	4.0	8.0	U		TF2001
TF79	000321	20010718	Xylenes, Total	5.000	UG/KG	5.000	0.0	4.0	U		TF2001
TF79	000327	20010718	Xylenes, Total	5.000	UG/KG	5.000	24.0	28.0	U		TF2001
TF79	000320	20010718	Xylenes, Total	5.000	UG/KG	5.000	0.0	4.0	U		TF2001
TF79	000322	20010718	Xylenes, Total	5.000	UG/KG	5.000	4.0	8.0	U		TF2001
TF79	000328	20010718	Xylenes, Total	5.000	UG/KG	5.000	28.0	32.0	U		TF2001
TF79	000325	20010718	Xylenes, Total	5.000	UG/KG	5.000	16.0	20.0	U		TF2001
TF78	000221	20010710	Xylenes, Total	5.000	UG/KG	5.000	32.0	36.0	U		TF2001
TF78	000215	20010710	Xylenes, Total	5.000	UG/KG	5.000	8.0	12.0	U		TF2001
TF78	000213	20010710	Xylenes, Total	5.000	UG/KG	5.000	4.0	8.0	U		TF2001
TF76	000127	20010718	Xylenes, Total	5.000	UG/KG	5.000	12.0	16.0	U		TF2001
TF85	000288	20010716	Xylenes, Total	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF85	000284	20010716	Xylenes, Total	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF85	000281	20010716	Xylenes, Total	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF82	000244	20010712	Xylenes, Total	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF82	000246	20010712	Xylenes, Total	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF82	000247	20010712	Xylenes, Total	6.000	UG/KG	6.000	16.0	20.0	U	UJ	TF2001
TF82	000243	20010712	Xylenes, Total	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF82	000248	20010712	Xylenes, Total	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF82	000245	20010712	Xylenes, Total	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF82	000249	20010712	Xylenes, Total	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF82	000250	20010712	Xylenes, Total	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF81	000228	20010711	Xylenes, Total	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF81	000254	20010712	Xylenes, Total	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF81	000252	20010712	Xylenes, Total	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF81	000251	20010712	Xylenes, Total	6.000	UG/KG	6.000	0.0	4.0	U	UJ	TF2001
TF81	000259	20010712	Xylenes, Total	6.000	UG/KG	6.000	28.0	32.0	U		TF2001
TF81	000253	20010712	Xylenes, Total	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF81	000255	20010712	Xylenes, Total	6.000	UG/KG	6.000	12.0	16.0	U	UJ	TF2001
TF81	000257	20010712	Xylenes, Total	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF81	000258	20010712	Xylenes, Total	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF81	000256	20010712	Xylenes, Total	6.000	UG/KG	6.000	16.0	20.0	U		TF2001
TF79	000326	20010718	Xylenes, Total	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF79	000324	20010718	Xylenes, Total	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF79	000323	20010718	Xylenes, Total	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF79	000329	20010718	Xylenes, Total	6.000	UG/KG	6.000	32.0	36.0	U		TF2001
TF78	000214	20010710	Xylenes, Total	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF78	000217	20010710	Xylenes, Total	6.000	UG/KG	6.000	16.0	20.0	U	UJ	TF2001
TF78	000218	20010710	Xylenes, Total	6.000	UG/KG	6.000	20.0	24.0	U		TF2001

Location_na	Sample_i	Collection_	Value_name	Measured_	Value_u	Detection_	Start_d	End_	Lab	Dat	Project_code
TF78	000219	20010710	Xylenes, Total	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF78	000216	20010710	Xylenes, Total	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF78	000220	20010710	Xylenes, Total	6.000	UG/KG	6.000	28.0	32.0	U		TF2001
TF78	000212	20010710	Xylenes, Total	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF76	000126	20010720	Xylenes, Total	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF76	000124	20010718	Xylenes, Total	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF76	000123	20010718	Xylenes, Total	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF76	000125	20010718	Xylenes, Total	6.000	UG/KG	6.000	8.0	12.0	U	UJ	TF2001
TF75	000331	20010718	Xylenes, Total	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
TF75	000333	20010718	Xylenes, Total	6.000	UG/KG	6.000	8.0	12.0	U		TF2001
TF75	000334	20010718	Xylenes, Total	6.000	UG/KG	6.000	12.0	16.0	U		TF2001
TF75	000335	20010718	Xylenes, Total	6.000	UG/KG	6.000	16.0	20.0	U	UJ	TF2001
TF75	000332	20010718	Xylenes, Total	6.000	UG/KG	6.000	4.0	8.0	U		TF2001
TF75	000339	20010718	Xylenes, Total	6.000	UG/KG	6.000	32.0	36.0	U		TF2001
TF75	000338	20010718	Xylenes, Total	6.000	UG/KG	6.000	28.0	32.0	U	UJ	TF2001
TF75	000336	20010718	Xylenes, Total	6.000	UG/KG	6.000	20.0	24.0	U		TF2001
TF75	000337	20010720	Xylenes, Total	6.000	UG/KG	6.000	24.0	28.0	U		TF2001
TF75	000330	20010718	Xylenes, Total	6.000	UG/KG	6.000	0.0	4.0	U		TF2001
SGC058	A13058	19960221	Xylenes, Total	6.000	UG/KG	6.000	0.0	0.0	U		SGCSP
SGC056	A13056	19960208	Xylenes, Total	6.000	UG/KG	6.000	0.0	1.5	U		SGCSP
SGC061	A13061	19960208	Xylenes, Total	6.000	UG/KG	6.000	0.0	3.0	U		SGCSP

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Location_n	Sample_i	Collection_dat	Value_name	Measured_va	Value_u	Detection_	Start_d	End_d	Lab	Data	Project_code
TF90	000278	20010713	1,1,1-Trichloroethane	5.0000	UG/KG	5.0000	28.0	32.0	U		TF2001
TF90	000274	20010713	1,1,1-Trichloroethane	6.0000	UG/KG	6.0000	12.0	16.0	U		TF2001
TF90	000275	20010713	1,1,1-Trichloroethane	6.0000	UG/KG	6.0000	16.0	20.0	U	UJ	TF2001
TF90	000276	20010713	1,1,1-Trichloroethane	6.0000	UG/KG	6.0000	20.0	24.0	U		TF2001
TF90	000273	20010713	1,1,1-Trichloroethane	6.0000	UG/KG	6.0000	12.0	16.0	U		TF2001
TF90	000272	20010713	1,1,1-Trichloroethane	6.0000	UG/KG	6.0000	8.0	12.0	U		TF2001
TF90	000271	20010713	1,1,1-Trichloroethane	6.0000	UG/KG	6.0000	4.0	8.0	U		TF2001
TF90	000270	20010713	1,1,1-Trichloroethane	6.0000	UG/KG	6.0000	0.0	4.0	U		TF2001
TF90	000277	20010713	1,1,1-Trichloroethane	6.0000	UG/KG	6.0000	24.0	28.0	U		TF2001
TF90	000278	20010713	1,1,2,2-Tetrachloroethane	5.0000	UG/KG	5.0000	28.0	32.0	U	UJ	TF2001
TF90	000274	20010713	1,1,2,2-Tetrachloroethane	6.0000	UG/KG	6.0000	12.0	16.0	U		TF2001
TF90	000275	20010713	1,1,2,2-Tetrachloroethane	6.0000	UG/KG	6.0000	16.0	20.0	U	UJ	TF2001
TF90	000276	20010713	1,1,2,2-Tetrachloroethane	6.0000	UG/KG	6.0000	20.0	24.0	U		TF2001
TF90	000273	20010713	1,1,2,2-Tetrachloroethane	6.0000	UG/KG	6.0000	12.0	16.0	U		TF2001
TF90	000272	20010713	1,1,2,2-Tetrachloroethane	6.0000	UG/KG	6.0000	8.0	12.0	U		TF2001
TF90	000271	20010713	1,1,2,2-Tetrachloroethane	6.0000	UG/KG	6.0000	4.0	8.0	U		TF2001
TF90	000270	20010713	1,1,2,2-Tetrachloroethane	6.0000	UG/KG	6.0000	0.0	4.0	U		TF2001
TF90	000277	20010713	1,1,2,2-Tetrachloroethane	6.0000	UG/KG	6.0000	24.0	28.0	U		TF2001
TF90	000278	20010713	1,1,2-Trichloroethane	5.0000	UG/KG	5.0000	28.0	32.0	U		TF2001
TF90	000274	20010713	1,1,2-Trichloroethane	6.0000	UG/KG	6.0000	12.0	16.0	U		TF2001
TF90	000275	20010713	1,1,2-Trichloroethane	6.0000	UG/KG	6.0000	16.0	20.0	U	UJ	TF2001
TF90	000276	20010713	1,1,2-Trichloroethane	6.0000	UG/KG	6.0000	20.0	24.0	U		TF2001
TF90	000273	20010713	1,1,2-Trichloroethane	6.0000	UG/KG	6.0000	12.0	16.0	U		TF2001
TF90	000272	20010713	1,1,2-Trichloroethane	6.0000	UG/KG	6.0000	8.0	12.0	U		TF2001
TF90	000271	20010713	1,1,2-Trichloroethane	6.0000	UG/KG	6.0000	4.0	8.0	U		TF2001
TF90	000270	20010713	1,1,2-Trichloroethane	6.0000	UG/KG	6.0000	0.0	4.0	U		TF2001
TF90	000277	20010713	1,1,2-Trichloroethane	6.0000	UG/KG	6.0000	24.0	28.0	U		TF2001
TF90	000278	20010713	1,1-Dichloroethane	5.0000	UG/KG	5.0000	28.0	32.0	U		TF2001
TF90	000274	20010713	1,1-Dichloroethane	6.0000	UG/KG	6.0000	12.0	16.0	U		TF2001
TF90	000275	20010713	1,1-Dichloroethane	6.0000	UG/KG	6.0000	16.0	20.0	U		TF2001
TF90	000276	20010713	1,1-Dichloroethane	6.0000	UG/KG	6.0000	20.0	24.0	U		TF2001
TF90	000273	20010713	1,1-Dichloroethane	6.0000	UG/KG	6.0000	12.0	16.0	U		TF2001
TF90	000272	20010713	1,1-Dichloroethane	6.0000	UG/KG	6.0000	8.0	12.0	U		TF2001
TF90	000271	20010713	1,1-Dichloroethane	6.0000	UG/KG	6.0000	4.0	8.0	U		TF2001
TF90	000270	20010713	1,1-Dichloroethane	6.0000	UG/KG	6.0000	0.0	4.0	U		TF2001

Location_n	Sample_i	Collection_dat	Value_name	Measured_va	Value_u	Detection_	Start_d	End_d	Lab	Data	Project_code
TF90	000277	20010713	1,1-Dichloroethane	6.0000	UG/KG	6.0000	24.0	28.0	U		TF2001
TF90	000278	20010713	1,1-Dichloroethene	5.0000	UG/KG	5.0000	28.0	32.0	U		TF2001
TF90	000274	20010713	1,1-Dichloroethene	6.0000	UG/KG	6.0000	12.0	16.0	U		TF2001
TF90	000275	20010713	1,1-Dichloroethene	6.0000	UG/KG	6.0000	16.0	20.0	U		TF2001
TF90	000276	20010713	1,1-Dichloroethene	6.0000	UG/KG	6.0000	20.0	24.0	U		TF2001
TF90	000273	20010713	1,1-Dichloroethene	6.0000	UG/KG	6.0000	12.0	16.0	U		TF2001
TF90	000272	20010713	1,1-Dichloroethene	6.0000	UG/KG	6.0000	8.0	12.0	U		TF2001
TF90	000271	20010713	1,1-Dichloroethene	6.0000	UG/KG	6.0000	4.0	8.0	U		TF2001
TF90	000270	20010713	1,1-Dichloroethene	6.0000	UG/KG	6.0000	0.0	4.0	U		TF2001
TF90	000277	20010713	1,1-Dichloroethene	6.0000	UG/KG	6.0000	24.0	28.0	U		TF2001
TF90	000278	20010713	1,2-Dichloroethane	5.0000	UG/KG	5.0000	28.0	32.0	U		TF2001
TF90	000274	20010713	1,2-Dichloroethane	6.0000	UG/KG	6.0000	12.0	16.0	U		TF2001
TF90	000275	20010713	1,2-Dichloroethane	6.0000	UG/KG	6.0000	16.0	20.0	U		TF2001
TF90	000276	20010713	1,2-Dichloroethane	6.0000	UG/KG	6.0000	20.0	24.0	U		TF2001
TF90	000273	20010713	1,2-Dichloroethane	6.0000	UG/KG	6.0000	12.0	16.0	U		TF2001
TF90	000272	20010713	1,2-Dichloroethane	6.0000	UG/KG	6.0000	8.0	12.0	U		TF2001
TF90	000271	20010713	1,2-Dichloroethane	6.0000	UG/KG	6.0000	4.0	8.0	U		TF2001
TF90	000270	20010713	1,2-Dichloroethane	6.0000	UG/KG	6.0000	0.0	4.0	U		TF2001
TF90	000277	20010713	1,2-Dichloroethane	6.0000	UG/KG	6.0000	24.0	28.0	U		TF2001
TF90	000278	20010713	1,2-Dichloroethene	5.0000	UG/KG	5.0000	28.0	32.0	U		TF2001
TF90	000274	20010713	1,2-Dichloroethene	6.0000	UG/KG	6.0000	12.0	16.0	U		TF2001
TF90	000275	20010713	1,2-Dichloroethene	6.0000	UG/KG	6.0000	16.0	20.0	U		TF2001
TF90	000276	20010713	1,2-Dichloroethene	6.0000	UG/KG	6.0000	20.0	24.0	U		TF2001
TF90	000273	20010713	1,2-Dichloroethene	6.0000	UG/KG	6.0000	12.0	16.0	U		TF2001
TF90	000272	20010713	1,2-Dichloroethene	6.0000	UG/KG	6.0000	8.0	12.0	U		TF2001
TF90	000271	20010713	1,2-Dichloroethene	6.0000	UG/KG	6.0000	4.0	8.0	U		TF2001
TF90	000270	20010713	1,2-Dichloroethene	6.0000	UG/KG	6.0000	0.0	4.0	U		TF2001
TF90	000277	20010713	1,2-Dichloroethene	6.0000	UG/KG	6.0000	24.0	28.0	U		TF2001
TF90	000278	20010713	1,2-Dichloropropane	5.0000	UG/KG	5.0000	28.0	32.0	U		TF2001
TF90	000274	20010713	1,2-Dichloropropane	6.0000	UG/KG	6.0000	12.0	16.0	U		TF2001
TF90	000275	20010713	1,2-Dichloropropane	6.0000	UG/KG	6.0000	16.0	20.0	U	UJ	TF2001
TF90	000276	20010713	1,2-Dichloropropane	6.0000	UG/KG	6.0000	20.0	24.0	U		TF2001
TF90	000273	20010713	1,2-Dichloropropane	6.0000	UG/KG	6.0000	12.0	16.0	U		TF2001
TF90	000272	20010713	1,2-Dichloropropane	6.0000	UG/KG	6.0000	8.0	12.0	U		TF2001
TF90	000271	20010713	1,2-Dichloropropane	6.0000	UG/KG	6.0000	4.0	8.0	U		TF2001
TF90	000270	20010713	1,2-Dichloropropane	6.0000	UG/KG	6.0000	0.0	4.0	U		TF2001
TF90	000277	20010713	1,2-Dichloropropane	6.0000	UG/KG	6.0000	24.0	28.0	U		TF2001

Location_n	Sample_i	Collection_dat	Value_name	Measured_va	Value_u	Detection_	Start_d	End_d	Lab	Data	Project_code
TF90	000278	20010713	1,3-cis-Dichloropropene	5.0000	UG/KG	5.0000	28.0	32.0	U		TF2001
TF90	000274	20010713	1,3-cis-Dichloropropene	6.0000	UG/KG	6.0000	12.0	16.0	U		TF2001
TF90	000275	20010713	1,3-cis-Dichloropropene	6.0000	UG/KG	6.0000	16.0	20.0	U	UJ	TF2001
TF90	000276	20010713	1,3-cis-Dichloropropene	6.0000	UG/KG	6.0000	20.0	24.0	U		TF2001
TF90	000273	20010713	1,3-cis-Dichloropropene	6.0000	UG/KG	6.0000	12.0	16.0	U		TF2001
TF90	000272	20010713	1,3-cis-Dichloropropene	6.0000	UG/KG	6.0000	8.0	12.0	U		TF2001
TF90	000271	20010713	1,3-cis-Dichloropropene	6.0000	UG/KG	6.0000	4.0	8.0	U		TF2001
TF90	000270	20010713	1,3-cis-Dichloropropene	6.0000	UG/KG	6.0000	0.0	4.0	U		TF2001
TF90	000277	20010713	1,3-cis-Dichloropropene	6.0000	UG/KG	6.0000	24.0	28.0	U		TF2001
TF90	000278	20010713	1,3-trans-Dichloropropene	5.0000	UG/KG	5.0000	28.0	32.0	U		TF2001
TF90	000274	20010713	1,3-trans-Dichloropropene	6.0000	UG/KG	6.0000	12.0	16.0	U		TF2001
TF90	000275	20010713	1,3-trans-Dichloropropene	6.0000	UG/KG	6.0000	16.0	20.0	U	UJ	TF2001
TF90	000276	20010713	1,3-trans-Dichloropropene	6.0000	UG/KG	6.0000	20.0	24.0	U		TF2001
TF90	000273	20010713	1,3-trans-Dichloropropene	6.0000	UG/KG	6.0000	12.0	16.0	U		TF2001
TF90	000272	20010713	1,3-trans-Dichloropropene	6.0000	UG/KG	6.0000	8.0	12.0	U		TF2001
TF90	000271	20010713	1,3-trans-Dichloropropene	6.0000	UG/KG	6.0000	4.0	8.0	U		TF2001
TF90	000270	20010713	1,3-trans-Dichloropropene	6.0000	UG/KG	6.0000	0.0	4.0	U		TF2001
TF90	000277	20010713	1,3-trans-Dichloropropene	6.0000	UG/KG	6.0000	24.0	28.0	U		TF2001
TF90	000278	20010713	2-Butanone	10.0000	UG/KG	10.0000	28.0	32.0	U		TF2001
TF90	000274	20010713	2-Butanone	11.0000	UG/KG	11.0000	12.0	16.0	U		TF2001
TF90	000275	20010713	2-Butanone	11.0000	UG/KG	11.0000	16.0	20.0	U	UJ	TF2001
TF90	000276	20010713	2-Butanone	11.0000	UG/KG	11.0000	20.0	24.0	U		TF2001
TF90	000273	20010713	2-Butanone	11.0000	UG/KG	11.0000	12.0	16.0	U		TF2001
TF90	000272	20010713	2-Butanone	11.0000	UG/KG	11.0000	8.0	12.0	U		TF2001
TF90	000271	20010713	2-Butanone	11.0000	UG/KG	11.0000	4.0	8.0	U		TF2001
TF90	000270	20010713	2-Butanone	11.0000	UG/KG	11.0000	0.0	4.0	U		TF2001
TF90	000277	20010713	2-Butanone	12.0000	UG/KG	12.0000	24.0	28.0	U		TF2001
TF90	000278	20010713	2-Hexanone	10.0000	UG/KG	10.0000	28.0	32.0	U	UJ	TF2001
TF90	000274	20010713	2-Hexanone	11.0000	UG/KG	11.0000	12.0	16.0	U		TF2001
TF90	000275	20010713	2-Hexanone	11.0000	UG/KG	11.0000	16.0	20.0	U	UJ	TF2001
TF90	000276	20010713	2-Hexanone	11.0000	UG/KG	11.0000	20.0	24.0	U		TF2001
TF90	000273	20010713	2-Hexanone	11.0000	UG/KG	11.0000	12.0	16.0	U		TF2001
TF90	000272	20010713	2-Hexanone	11.0000	UG/KG	11.0000	8.0	12.0	U		TF2001
TF90	000271	20010713	2-Hexanone	11.0000	UG/KG	11.0000	4.0	8.0	U		TF2001
TF90	000270	20010713	2-Hexanone	11.0000	UG/KG	11.0000	0.0	4.0	U		TF2001
TF90	000277	20010713	2-Hexanone	12.0000	UG/KG	12.0000	24.0	28.0	U		TF2001
TF90	000278	20010713	4-Methyl-2-pentanone	10.0000	UG/KG	10.0000	28.0	32.0	U	UJ	TF2001

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Location_n	Sample_i	Collection_dat	Value_name	Measured_va	Value_u	Detection_	Start_d	End_d	Lab	Data	Project_code
TF90	000274	20010713	4-Methyl-2-pentanone	11.0000	UG/KG	11.0000	12.0	16.0	U		TF2001
TF90	000275	20010713	4-Methyl-2-pentanone	11.0000	UG/KG	11.0000	16.0	20.0	U	UJ	TF2001
TF90	000276	20010713	4-Methyl-2-pentanone	11.0000	UG/KG	11.0000	20.0	24.0	U		TF2001
TF90	000273	20010713	4-Methyl-2-pentanone	11.0000	UG/KG	11.0000	12.0	16.0	U		TF2001
TF90	000272	20010713	4-Methyl-2-pentanone	11.0000	UG/KG	11.0000	8.0	12.0	U		TF2001
TF90	000271	20010713	4-Methyl-2-pentanone	11.0000	UG/KG	11.0000	4.0	8.0	U		TF2001
TF90	000270	20010713	4-Methyl-2-pentanone	11.0000	UG/KG	11.0000	0.0	4.0	U		TF2001
TF90	000277	20010713	4-Methyl-2-pentanone	12.0000	UG/KG	12.0000	24.0	28.0	U		TF2001
TF90	000278	20010713	Acetone	10.0000	UG/KG	10.0000	28.0	32.0	U		TF2001
TF90	000274	20010713	Acetone	11.0000	UG/KG	11.0000	12.0	16.0	U		TF2001
TF90	000275	20010713	Acetone	11.0000	UG/KG	11.0000	16.0	20.0	U		TF2001
TF90	000276	20010713	Acetone	11.0000	UG/KG	11.0000	20.0	24.0	U		TF2001
TF90	000273	20010713	Acetone	11.0000	UG/KG	11.0000	12.0	16.0	U		TF2001
TF90	000272	20010713	Acetone	11.0000	UG/KG	11.0000	8.0	12.0	U		TF2001
TF90	000271	20010713	Acetone	11.0000	UG/KG	11.0000	4.0	8.0	U		TF2001
TF90	000270	20010713	Acetone	11.0000	UG/KG	11.0000	0.0	4.0	U		TF2001
TF90	000277	20010713	Acetone	12.0000	UG/KG	12.0000	24.0	28.0	U		TF2001
TF90	000270	20010713	Actinium-227	0.0800	PCI/G	0.0800	0.0	4.0	U		TF2001
TF90	000274	20010713	Actinium-227	0.2047	PCI/G	0.2047	12.0	16.0	U		TF2001
TF90	000271	20010713	Actinium-227	0.2264	PCI/G	0.2264	4.0	8.0	U		TF2001
TF90	000277	20010713	Actinium-227	0.2513	PCI/G	0.2513	24.0	28.0	U		TF2001
TF90	000273	20010713	Actinium-227	0.2913	PCI/G	0.2913	12.0	16.0	U		TF2001
TF90	000275	20010713	Actinium-227	0.3228	PCI/G	0.3228	16.0	20.0	U		TF2001
TF90	000272	20010713	Actinium-227	0.3256	PCI/G	0.3256	8.0	12.0	U		TF2001
TF90	000278	20010713	Actinium-227	0.3442	PCI/G	0.3442	28.0	32.0	U		TF2001
TF90	000276	20010713	Actinium-227	0.3477	PCI/G	0.3477	20.0	24.0	U		TF2001
TF90	000270	20010713	Actinium-227	0.3960	PCI/G	0.3960	0.0	4.0	U		TF2001
TF90	000270	20010713	Americium-241	0.0200	PCI/G	0.0200	0.0	4.0	U		TF2001
TF90	000274	20010713	Americium-241	0.0523	PCI/G	0.0523	12.0	16.0	U		TF2001
TF90	000277	20010713	Americium-241	0.0621	PCI/G	0.0621	24.0	28.0	U		TF2001
TF90	000271	20010713	Americium-241	0.0650	PCI/G	0.0650	4.0	8.0	U		TF2001
TF90	000275	20010713	Americium-241	0.0767	PCI/G	0.0767	16.0	20.0	U		TF2001
TF90	000272	20010713	Americium-241	0.0868	PCI/G	0.0868	8.0	12.0	U		TF2001
TF90	000278	20010713	Americium-241	0.0961	PCI/G	0.0961	28.0	32.0	U		TF2001
TF90	000276	20010713	Americium-241	0.1046	PCI/G	0.1046	20.0	24.0	U		TF2001
TF90	000273	20010713	Americium-241	0.1129	PCI/G	0.1129	12.0	16.0	U		TF2001
TF90	000270	20010713	Americium-241	0.2120	PCI/G	0.2120	0.0	4.0	U		TF2001

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Location_n	Sample_i	Collection_dat	Value_name	Measured_va	Value_u	Detection_	Start_d	End_d	Lab	Data	Project_code
TF90	000278	20010713	Benzene	5.0000	UG/KG	5.0000	28.0	32.0	U		TF2001
TF90	000274	20010713	Benzene	6.0000	UG/KG	6.0000	12.0	16.0	U		TF2001
TF90	000275	20010713	Benzene	6.0000	UG/KG	6.0000	16.0	20.0	U	UJ	TF2001
TF90	000276	20010713	Benzene	6.0000	UG/KG	6.0000	20.0	24.0	U		TF2001
TF90	000273	20010713	Benzene	6.0000	UG/KG	6.0000	12.0	16.0	U		TF2001
TF90	000272	20010713	Benzene	6.0000	UG/KG	6.0000	8.0	12.0	U		TF2001
TF90	000271	20010713	Benzene	6.0000	UG/KG	6.0000	4.0	8.0	U		TF2001
TF90	000270	20010713	Benzene	6.0000	UG/KG	6.0000	0.0	4.0	U		TF2001
TF90	000277	20010713	Benzene	6.0000	UG/KG	6.0000	24.0	28.0	U		TF2001
TF90	000270	20010713	Bismuth-207	0.0512	PCI/G	0.0512	0.0	4.0	U		TF2001
TF90	000270	20010713	Bismuth-210M	0.0769	PCI/G	0.0769	0.0	4.0	U		TF2001
TF90	000278	20010713	Bromodichloromethane	5.0000	UG/KG	5.0000	28.0	32.0	U		TF2001
TF90	000274	20010713	Bromodichloromethane	6.0000	UG/KG	6.0000	12.0	16.0	U		TF2001
TF90	000275	20010713	Bromodichloromethane	6.0000	UG/KG	6.0000	16.0	20.0	U	UJ	TF2001
TF90	000276	20010713	Bromodichloromethane	6.0000	UG/KG	6.0000	20.0	24.0	U		TF2001
TF90	000273	20010713	Bromodichloromethane	6.0000	UG/KG	6.0000	12.0	16.0	U		TF2001
TF90	000272	20010713	Bromodichloromethane	6.0000	UG/KG	6.0000	8.0	12.0	U		TF2001
TF90	000271	20010713	Bromodichloromethane	6.0000	UG/KG	6.0000	4.0	8.0	U		TF2001
TF90	000270	20010713	Bromodichloromethane	6.0000	UG/KG	6.0000	0.0	4.0	U		TF2001
TF90	000277	20010713	Bromodichloromethane	6.0000	UG/KG	6.0000	24.0	28.0	U		TF2001
TF90	000278	20010713	Bromoform	5.0000	UG/KG	5.0000	28.0	32.0	U		TF2001
TF90	000274	20010713	Bromoform	6.0000	UG/KG	6.0000	12.0	16.0	U		TF2001
TF90	000275	20010713	Bromoform	6.0000	UG/KG	6.0000	16.0	20.0	U	UJ	TF2001
TF90	000276	20010713	Bromoform	6.0000	UG/KG	6.0000	20.0	24.0	U		TF2001
TF90	000273	20010713	Bromoform	6.0000	UG/KG	6.0000	12.0	16.0	U		TF2001
TF90	000272	20010713	Bromoform	6.0000	UG/KG	6.0000	8.0	12.0	U		TF2001
TF90	000271	20010713	Bromoform	6.0000	UG/KG	6.0000	4.0	8.0	U		TF2001
TF90	000270	20010713	Bromoform	6.0000	UG/KG	6.0000	0.0	4.0	U		TF2001
TF90	000277	20010713	Bromoform	6.0000	UG/KG	6.0000	24.0	28.0	U		TF2001
TF90	000278	20010713	Bromomethane	10.0000	UG/KG	10.0000	28.0	32.0	U		TF2001
TF90	000274	20010713	Bromomethane	11.0000	UG/KG	11.0000	12.0	16.0	U		TF2001
TF90	000275	20010713	Bromomethane	11.0000	UG/KG	11.0000	16.0	20.0	U		TF2001
TF90	000276	20010713	Bromomethane	11.0000	UG/KG	11.0000	20.0	24.0	U		TF2001
TF90	000273	20010713	Bromomethane	11.0000	UG/KG	11.0000	12.0	16.0	U		TF2001
TF90	000272	20010713	Bromomethane	11.0000	UG/KG	11.0000	8.0	12.0	U		TF2001
TF90	000271	20010713	Bromomethane	11.0000	UG/KG	11.0000	4.0	8.0	U		TF2001
TF90	000270	20010713	Bromomethane	11.0000	UG/KG	11.0000	0.0	4.0	U		TF2001

Location_n	Sample_i	Collection_dat	Value_name	Measured_va	Value_u	Detection_	Start_d	End_d	Lab	Data	Project_code
TF90	000277	20010713	Bromomethane	12.0000	UG/KG	12.0000	24.0	28.0	U		TF2001
TF90	000278	20010713	Carbon Disulfide	5.0000	UG/KG	5.0000	28.0	32.0	U		TF2001
TF90	000274	20010713	Carbon Disulfide	6.0000	UG/KG	6.0000	12.0	16.0	U		TF2001
TF90	000275	20010713	Carbon Disulfide	6.0000	UG/KG	6.0000	16.0	20.0	U		TF2001
TF90	000276	20010713	Carbon Disulfide	6.0000	UG/KG	6.0000	20.0	24.0	U		TF2001
TF90	000272	20010713	Carbon Disulfide	6.0000	UG/KG	6.0000	8.0	12.0	U		TF2001
TF90	000271	20010713	Carbon Disulfide	6.0000	UG/KG	6.0000	4.0	8.0	U		TF2001
TF90	000270	20010713	Carbon Disulfide	6.0000	UG/KG	6.0000	0.0	4.0	U		TF2001
TF90	000277	20010713	Carbon Disulfide	6.0000	UG/KG	6.0000	24.0	28.0	U		TF2001
TF90	000278	20010713	Carbon Tetrachloride	5.0000	UG/KG	5.0000	28.0	32.0	U		TF2001
TF90	000274	20010713	Carbon Tetrachloride	6.0000	UG/KG	6.0000	12.0	16.0	U		TF2001
TF90	000275	20010713	Carbon Tetrachloride	6.0000	UG/KG	6.0000	16.0	20.0	U	UJ	TF2001
TF90	000276	20010713	Carbon Tetrachloride	6.0000	UG/KG	6.0000	20.0	24.0	U		TF2001
TF90	000273	20010713	Carbon Tetrachloride	6.0000	UG/KG	6.0000	12.0	16.0	U		TF2001
TF90	000272	20010713	Carbon Tetrachloride	6.0000	UG/KG	6.0000	8.0	12.0	U		TF2001
TF90	000271	20010713	Carbon Tetrachloride	6.0000	UG/KG	6.0000	4.0	8.0	U		TF2001
TF90	000270	20010713	Carbon Tetrachloride	6.0000	UG/KG	6.0000	0.0	4.0	U		TF2001
TF90	000277	20010713	Carbon Tetrachloride	6.0000	UG/KG	6.0000	24.0	28.0	U		TF2001
TF90	000270	20010713	Cesium-137	0.0200	PCI/G	0.0200	0.0	4.0	U		TF2001
TF90	000274	20010713	Cesium-137	0.0304	PCI/G	0.0304	12.0	16.0	U		TF2001
TF90	000275	20010713	Cesium-137	0.0316	PCI/G	0.0316	16.0	20.0	U		TF2001
TF90	000272	20010713	Cesium-137	0.0370	PCI/G	0.0370	8.0	12.0	U		TF2001
TF90	000278	20010713	Cesium-137	0.0385	PCI/G	0.0385	28.0	32.0	U		TF2001
TF90	000277	20010713	Cesium-137	0.0486	PCI/G	0.0486	24.0	28.0	U		TF2001
TF90	000271	20010713	Cesium-137	0.0542	PCI/G	0.0542	4.0	8.0	U		TF2001
TF90	000273	20010713	Cesium-137	0.0564	PCI/G	0.0564	12.0	16.0	U		TF2001
TF90	000270	20010713	Cesium-137	0.0580	PCI/G	0.0580	0.0	4.0	U		TF2001
TF90	000276	20010713	Cesium-137	0.0598	PCI/G	0.0598	20.0	24.0	U		TF2001
TF90	000278	20010713	Chlorobenzene	5.0000	UG/KG	5.0000	28.0	32.0	U	UJ	TF2001
TF90	000274	20010713	Chlorobenzene	6.0000	UG/KG	6.0000	12.0	16.0	U		TF2001
TF90	000275	20010713	Chlorobenzene	6.0000	UG/KG	6.0000	16.0	20.0	U	UJ	TF2001
TF90	000276	20010713	Chlorobenzene	6.0000	UG/KG	6.0000	20.0	24.0	U		TF2001
TF90	000273	20010713	Chlorobenzene	6.0000	UG/KG	6.0000	12.0	16.0	U		TF2001
TF90	000272	20010713	Chlorobenzene	6.0000	UG/KG	6.0000	8.0	12.0	U		TF2001
TF90	000271	20010713	Chlorobenzene	6.0000	UG/KG	6.0000	4.0	8.0	U		TF2001
TF90	000270	20010713	Chlorobenzene	6.0000	UG/KG	6.0000	0.0	4.0	U		TF2001
TF90	000277	20010713	Chlorobenzene	6.0000	UG/KG	6.0000	24.0	28.0	U		TF2001

Location_n	Sample_i	Collection_dat	Value_name	Measured_va	Value_u	Detection_	Start_d	End_d	Lab	Data	Project_code
TF90	000278	20010713	Chloroethane	10.0000	UG/KG	10.0000	28.0	32.0	U		TF2001
TF90	000274	20010713	Chloroethane	11.0000	UG/KG	11.0000	12.0	16.0	U		TF2001
TF90	000275	20010713	Chloroethane	11.0000	UG/KG	11.0000	16.0	20.0	U		TF2001
TF90	000276	20010713	Chloroethane	11.0000	UG/KG	11.0000	20.0	24.0	U		TF2001
TF90	000273	20010713	Chloroethane	11.0000	UG/KG	11.0000	12.0	16.0	U		TF2001
TF90	000272	20010713	Chloroethane	11.0000	UG/KG	11.0000	8.0	12.0	U		TF2001
TF90	000271	20010713	Chloroethane	11.0000	UG/KG	11.0000	4.0	8.0	U		TF2001
TF90	000270	20010713	Chloroethane	11.0000	UG/KG	11.0000	0.0	4.0	U		TF2001
TF90	000277	20010713	Chloroethane	12.0000	UG/KG	12.0000	24.0	28.0	U		TF2001
TF90	000278	20010713	Chloroform (Trichloromethane)	5.0000	UG/KG	5.0000	28.0	32.0	U		TF2001
TF90	000274	20010713	Chloroform (Trichloromethane)	6.0000	UG/KG	6.0000	12.0	16.0	U		TF2001
TF90	000275	20010713	Chloroform (Trichloromethane)	6.0000	UG/KG	6.0000	16.0	20.0	U		TF2001
TF90	000276	20010713	Chloroform (Trichloromethane)	6.0000	UG/KG	6.0000	20.0	24.0	U		TF2001
TF90	000273	20010713	Chloroform (Trichloromethane)	6.0000	UG/KG	6.0000	12.0	16.0	U		TF2001
TF90	000272	20010713	Chloroform (Trichloromethane)	6.0000	UG/KG	6.0000	8.0	12.0	U		TF2001
TF90	000271	20010713	Chloroform (Trichloromethane)	6.0000	UG/KG	6.0000	4.0	8.0	U		TF2001
TF90	000270	20010713	Chloroform (Trichloromethane)	6.0000	UG/KG	6.0000	0.0	4.0	U		TF2001
TF90	000277	20010713	Chloroform (Trichloromethane)	6.0000	UG/KG	6.0000	24.0	28.0	U		TF2001
TF90	000278	20010713	Chloromethane	10.0000	UG/KG	10.0000	28.0	32.0	U		TF2001
TF90	000274	20010713	Chloromethane	11.0000	UG/KG	11.0000	12.0	16.0	U		TF2001
TF90	000275	20010713	Chloromethane	11.0000	UG/KG	11.0000	16.0	20.0	U		TF2001
TF90	000276	20010713	Chloromethane	11.0000	UG/KG	11.0000	20.0	24.0	U		TF2001
TF90	000273	20010713	Chloromethane	11.0000	UG/KG	11.0000	12.0	16.0	U		TF2001
TF90	000272	20010713	Chloromethane	11.0000	UG/KG	11.0000	8.0	12.0	U		TF2001
TF90	000271	20010713	Chloromethane	11.0000	UG/KG	11.0000	4.0	8.0	U		TF2001
TF90	000270	20010713	Chloromethane	11.0000	UG/KG	11.0000	0.0	4.0	U		TF2001
TF90	000277	20010713	Chloromethane	12.0000	UG/KG	12.0000	24.0	28.0	U		TF2001
TF90	000270	20010713	Cobalt-60	0.0200	PCI/G	0.0200	0.0	4.0	U		TF2001
TF90	000272	20010713	Cobalt-60	0.0342	PCI/G	0.0342	8.0	12.0	U		TF2001
TF90	000274	20010713	Cobalt-60	0.0360	PCI/G	0.0360	12.0	16.0	U		TF2001
TF90	000278	20010713	Cobalt-60	0.0398	PCI/G	0.0398	28.0	32.0	U		TF2001
TF90	000275	20010713	Cobalt-60	0.0443	PCI/G	0.0443	16.0	20.0	U		TF2001
TF90	000277	20010713	Cobalt-60	0.0493	PCI/G	0.0493	24.0	28.0	U		TF2001
TF90	000276	20010713	Cobalt-60	0.0524	PCI/G	0.0524	20.0	24.0	U		TF2001
TF90	000273	20010713	Cobalt-60	0.0560	PCI/G	0.0560	12.0	16.0	U		TF2001
TF90	000270	20010713	Cobalt-60	0.0743	PCI/G	0.0743	0.0	4.0	U		TF2001
TF90	000278	20010713	Dibromochloromethane	5.0000	UG/KG	5.0000	28.0	32.0	U		TF2001

Location_n	Sample_i	Collection_dat	Value_name	Measured_va	Value_u	Detection_	Start_d	End_d	Lab	Data	Project_code
TF90	000274	20010713	Dibromochloromethane	6.0000	UG/KG	6.0000	12.0	16.0	U		TF2001
TF90	000275	20010713	Dibromochloromethane	6.0000	UG/KG	6.0000	16.0	20.0	U	UJ	TF2001
TF90	000276	20010713	Dibromochloromethane	6.0000	UG/KG	6.0000	20.0	24.0	U		TF2001
TF90	000273	20010713	Dibromochloromethane	6.0000	UG/KG	6.0000	12.0	16.0	U		TF2001
TF90	000272	20010713	Dibromochloromethane	6.0000	UG/KG	6.0000	8.0	12.0	U		TF2001
TF90	000271	20010713	Dibromochloromethane	6.0000	UG/KG	6.0000	4.0	8.0	U		TF2001
TF90	000270	20010713	Dibromochloromethane	6.0000	UG/KG	6.0000	0.0	4.0	U		TF2001
TF90	000277	20010713	Dibromochloromethane	6.0000	UG/KG	6.0000	24.0	28.0	U		TF2001
TF90	000275	20010713	Dichloromethane (Methylene Chloride)	10.0000	UG/KG		16.0	20.0	B	UJ	TF2001
TF90	000278	20010713	Ethylbenzene	5.0000	UG/KG	5.0000	28.0	32.0	U	UJ	TF2001
TF90	000274	20010713	Ethylbenzene	6.0000	UG/KG	6.0000	12.0	16.0	U		TF2001
TF90	000275	20010713	Ethylbenzene	6.0000	UG/KG	6.0000	16.0	20.0	U	UJ	TF2001
TF90	000276	20010713	Ethylbenzene	6.0000	UG/KG	6.0000	20.0	24.0	U		TF2001
TF90	000273	20010713	Ethylbenzene	6.0000	UG/KG	6.0000	12.0	16.0	U		TF2001
TF90	000272	20010713	Ethylbenzene	6.0000	UG/KG	6.0000	8.0	12.0	U		TF2001
TF90	000271	20010713	Ethylbenzene	6.0000	UG/KG	6.0000	4.0	8.0	U		TF2001
TF90	000270	20010713	Ethylbenzene	6.0000	UG/KG	6.0000	0.0	4.0	U		TF2001
TF90	000277	20010713	Ethylbenzene	6.0000	UG/KG	6.0000	24.0	28.0	U		TF2001
TF90	000278	20010713	FREON-113	5.0000	UG/KG	5.0000	28.0	32.0	U		TF2001
TF90	000274	20010713	FREON-113	6.0000	UG/KG	6.0000	12.0	16.0	U		TF2001
TF90	000275	20010713	FREON-113	6.0000	UG/KG	6.0000	16.0	20.0	U		TF2001
TF90	000276	20010713	FREON-113	6.0000	UG/KG	6.0000	20.0	24.0	U		TF2001
TF90	000273	20010713	FREON-113	6.0000	UG/KG	6.0000	12.0	16.0	U		TF2001
TF90	000272	20010713	FREON-113	6.0000	UG/KG	6.0000	8.0	12.0	U		TF2001
TF90	000271	20010713	FREON-113	6.0000	UG/KG	6.0000	4.0	8.0	U		TF2001
TF90	000270	20010713	FREON-113	6.0000	UG/KG	6.0000	0.0	4.0	U		TF2001
TF90	000277	20010713	FREON-113	6.0000	UG/KG	6.0000	24.0	28.0	U		TF2001
TF90	000278	20010713	Hexane	5.0000	UG/KG	5.0000	28.0	32.0	U		TF2001
TF90	000274	20010713	Hexane	6.0000	UG/KG	6.0000	12.0	16.0	U		TF2001
TF90	000275	20010713	Hexane	6.0000	UG/KG	6.0000	16.0	20.0	U		TF2001
TF90	000276	20010713	Hexane	6.0000	UG/KG	6.0000	20.0	24.0	U		TF2001
TF90	000273	20010713	Hexane	6.0000	UG/KG	6.0000	12.0	16.0	U		TF2001
TF90	000272	20010713	Hexane	6.0000	UG/KG	6.0000	8.0	12.0	U		TF2001
TF90	000271	20010713	Hexane	6.0000	UG/KG	6.0000	4.0	8.0	U		TF2001
TF90	000270	20010713	Hexane	6.0000	UG/KG	6.0000	0.0	4.0	U		TF2001
TF90	000277	20010713	Hexane	6.0000	UG/KG	6.0000	24.0	28.0	U		TF2001
TF90	000274	20010713	Lead-210	0.5176	PCI/G	0.5176	12.0	16.0	U		TF2001

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Location_n	Sample_i	Collection_dat	Value_name	Measured_va	Value_u	Detection_	Start_d	End_d	Lab	Data	Project_code
TF90	000277	20010713	Lead-210	0.5337	PCI/G	0.5337	24.0	28.0	U		TF2001
TF90	000275	20010713	Lead-210	0.7514	PCI/G	0.7514	16.0	20.0	U		TF2001
TF90	000273	20010713	Lead-210	0.8801	PCI/G	0.8801	12.0	16.0	U		TF2001
TF90	000272	20010713	Lead-210	0.9171	PCI/G	0.9171	8.0	12.0	U		TF2001
TF90	000276	20010713	Lead-210	1.0760	PCI/G	1.0760	20.0	24.0	U		TF2001
TF90	000270	20010713	Plutonium-238	4.0900	PCI/G	4.0900	0.0	4.0	U		TF2001
TF90	000274	20010713	Plutonium-238	10.6600	PCI/G	10.6600	12.0	16.0	U		TF2001
TF90	000277	20010713	Plutonium-238	14.2600	PCI/G	14.2600	24.0	28.0	U		TF2001
TF90	000271	20010713	Plutonium-238	15.1500	PCI/G	15.1500	4.0	8.0	U		TF2001
TF90	000278	20010713	Plutonium-238	19.2700	PCI/G	19.2700	28.0	32.0	U		TF2001
TF90	000275	20010713	Plutonium-238	19.6900	PCI/G	19.6900	16.0	20.0	U		TF2001
TF90	000272	20010713	Plutonium-238	22.5900	PCI/G	22.5900	8.0	12.0	U		TF2001
TF90	000276	20010713	Plutonium-238	25.7100	PCI/G	25.7100	20.0	24.0	U		TF2001
TF90	000273	20010713	Plutonium-238	25.7400	PCI/G	25.7400	12.0	16.0	U		TF2001
TF90	000274	20010713	Radium-226	0.7599	PCI/G	0.7599	12.0	16.0	U		TF2001
TF90	000278	20010713	Styrene	5.0000	UG/KG	5.0000	28.0	32.0	U	UJ	TF2001
TF90	000274	20010713	Styrene	6.0000	UG/KG	6.0000	12.0	16.0	U		TF2001
TF90	000275	20010713	Styrene	6.0000	UG/KG	6.0000	16.0	20.0	U	UJ	TF2001
TF90	000276	20010713	Styrene	6.0000	UG/KG	6.0000	20.0	24.0	U		TF2001
TF90	000273	20010713	Styrene	6.0000	UG/KG	6.0000	12.0	16.0	U		TF2001
TF90	000272	20010713	Styrene	6.0000	UG/KG	6.0000	8.0	12.0	U		TF2001
TF90	000271	20010713	Styrene	6.0000	UG/KG	6.0000	4.0	8.0	U		TF2001
TF90	000270	20010713	Styrene	6.0000	UG/KG	6.0000	0.0	4.0	U		TF2001
TF90	000277	20010713	Styrene	6.0000	UG/KG	6.0000	24.0	28.0	U		TF2001
TF90	000278	20010713	Tetrachloroethene	5.0000	UG/KG	5.0000	28.0	32.0	U	UJ	TF2001
TF90	000274	20010713	Tetrachloroethene	6.0000	UG/KG	6.0000	12.0	16.0	U		TF2001
TF90	000275	20010713	Tetrachloroethene	6.0000	UG/KG	6.0000	16.0	20.0	U	UJ	TF2001
TF90	000276	20010713	Tetrachloroethene	6.0000	UG/KG	6.0000	20.0	24.0	U		TF2001
TF90	000273	20010713	Tetrachloroethene	6.0000	UG/KG	6.0000	12.0	16.0	U		TF2001
TF90	000272	20010713	Tetrachloroethene	6.0000	UG/KG	6.0000	8.0	12.0	U		TF2001
TF90	000271	20010713	Tetrachloroethene	6.0000	UG/KG	6.0000	4.0	8.0	U		TF2001
TF90	000270	20010713	Tetrachloroethene	6.0000	UG/KG	6.0000	0.0	4.0	U		TF2001
TF90	000277	20010713	Tetrachloroethene	6.0000	UG/KG	6.0000	24.0	28.0	U		TF2001
TF90	000270	20010713	Thorium-230	1.8200	PCI/G	1.8200	0.0	4.0	U		TF2001
TF90	000277	20010713	Thorium-230	5.3390	PCI/G	5.3390	24.0	28.0	U		TF2001
TF90	000271	20010713	Thorium-230	5.3790	PCI/G	5.3790	4.0	8.0	U		TF2001
TF90	000274	20010713	Thorium-230	5.7090	PCI/G	5.7090	12.0	16.0	U		TF2001

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Location_n	Sample_i	Collection_dat	Value_name	Measured_va	Value_u	Detection_	Start_d	End_d	Lab	Data	Project_code
TF90	000278	20010713	Thorium-230	7.8710	PCI/G	7.8710	28.0	32.0	U		TF2001
TF90	000275	20010713	Thorium-230	7.9790	PCI/G	7.9790	16.0	20.0	U		TF2001
TF90	000272	20010713	Thorium-230	9.0730	PCI/G	9.0730	8.0	12.0	U		TF2001
TF90	000276	20010713	Thorium-230	9.2400	PCI/G	9.2400	20.0	24.0	U		TF2001
TF90	000273	20010713	Thorium-230	9.9730	PCI/G	9.9730	12.0	16.0	U		TF2001
TF90	000278	20010713	Toluene	5.0000	UG/KG	5.0000	28.0	32.0	U	UJ	TF2001
TF90	000274	20010713	Toluene	6.0000	UG/KG	6.0000	12.0	16.0	U		TF2001
TF90	000275	20010713	Toluene	6.0000	UG/KG	6.0000	16.0	20.0	U	UJ	TF2001
TF90	000276	20010713	Toluene	6.0000	UG/KG	6.0000	20.0	24.0	U		TF2001
TF90	000273	20010713	Toluene	6.0000	UG/KG	6.0000	12.0	16.0	U		TF2001
TF90	000272	20010713	Toluene	6.0000	UG/KG	6.0000	8.0	12.0	U		TF2001
TF90	000271	20010713	Toluene	6.0000	UG/KG	6.0000	4.0	8.0	U		TF2001
TF90	000270	20010713	Toluene	6.0000	UG/KG	6.0000	0.0	4.0	U		TF2001
TF90	000277	20010713	Toluene	6.0000	UG/KG	6.0000	24.0	28.0	U		TF2001
TF90	000278	20010713	Trichloroethylene (TCE)	5.0000	UG/KG	5.0000	28.0	32.0	U		TF2001
TF90	000274	20010713	Trichloroethylene (TCE)	6.0000	UG/KG	6.0000	12.0	16.0	U		TF2001
TF90	000275	20010713	Trichloroethylene (TCE)	6.0000	UG/KG	6.0000	16.0	20.0	U	UJ	TF2001
TF90	000276	20010713	Trichloroethylene (TCE)	6.0000	UG/KG	6.0000	20.0	24.0	U		TF2001
TF90	000273	20010713	Trichloroethylene (TCE)	6.0000	UG/KG	6.0000	12.0	16.0	U		TF2001
TF90	000272	20010713	Trichloroethylene (TCE)	6.0000	UG/KG	6.0000	8.0	12.0	U		TF2001
TF90	000271	20010713	Trichloroethylene (TCE)	6.0000	UG/KG	6.0000	4.0	8.0	U		TF2001
TF90	000270	20010713	Trichloroethylene (TCE)	6.0000	UG/KG	6.0000	0.0	4.0	U		TF2001
TF90	000277	20010713	Trichloroethylene (TCE)	6.0000	UG/KG	6.0000	24.0	28.0	U		TF2001
TF90	000278	20010713	Vinyl Chloride	10.0000	UG/KG	10.0000	28.0	32.0	U		TF2001
TF90	000274	20010713	Vinyl Chloride	11.0000	UG/KG	11.0000	12.0	16.0	U		TF2001
TF90	000275	20010713	Vinyl Chloride	11.0000	UG/KG	11.0000	16.0	20.0	U		TF2001
TF90	000276	20010713	Vinyl Chloride	11.0000	UG/KG	11.0000	20.0	24.0	U		TF2001
TF90	000273	20010713	Vinyl Chloride	11.0000	UG/KG	11.0000	12.0	16.0	U		TF2001
TF90	000272	20010713	Vinyl Chloride	11.0000	UG/KG	11.0000	8.0	12.0	U		TF2001
TF90	000271	20010713	Vinyl Chloride	11.0000	UG/KG	11.0000	4.0	8.0	U		TF2001
TF90	000270	20010713	Vinyl Chloride	11.0000	UG/KG	11.0000	0.0	4.0	U		TF2001
TF90	000277	20010713	Vinyl Chloride	12.0000	UG/KG	12.0000	24.0	28.0	U		TF2001
TF90	000278	20010713	Xylenes, Total	5.0000	UG/KG	5.0000	28.0	32.0	U	UJ	TF2001
TF90	000274	20010713	Xylenes, Total	6.0000	UG/KG	6.0000	12.0	16.0	U		TF2001
TF90	000275	20010713	Xylenes, Total	6.0000	UG/KG	6.0000	16.0	20.0	U	UJ	TF2001
TF90	000276	20010713	Xylenes, Total	6.0000	UG/KG	6.0000	20.0	24.0	U		TF2001
TF90	000273	20010713	Xylenes, Total	6.0000	UG/KG	6.0000	12.0	16.0	U		TF2001

Location_n	Sample_i	Collection_dat	Value_name	Measured_va	Value_u	Detection_	Start_d	End_d	Lab Data	Project_code
TF90	000272	20010713	Xylenes, Total	6.0000	UG/KG	6.0000	8.0	12.0	U	TF2001
TF90	000271	20010713	Xylenes, Total	6.0000	UG/KG	6.0000	4.0	8.0	U	TF2001
TF90	000270	20010713	Xylenes, Total	6.0000	UG/KG	6.0000	0.0	4.0	U	TF2001
TF90	000277	20010713	Xylenes, Total	6.0000	UG/KG	6.0000	24.0	28.0	U	TF2001

LABORATORY DATA QUALIFIERS (LABQUAL)

The following qualifiers will be applied to the organic analysis results by the laboratory in accordance with CLP SOW direction:

ORGANICS

U	Indicates compound was analyzed for but not detected. The associated sample quantitation limit will be the CRQL, corrected for dilution and for percent moisture.
J	Indicates an estimated value. This flag is used under the following circumstances: 1) when estimating a concentration for tentatively identified compounds (TICs) assuming a 1:1 response, 2) when the qualitative data indicated the presence of a compound that meets the volatile, semivolatile, and pesticide/Aroclor identification criteria, and the result is less than the CRQL but greater than zero.
N	Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where identification is based on a mass spectral library search.
P	Used for pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns.
C	Applies to pesticide results where the identification has been confirmed by GC/MS.
B	Used when the analyte is found in the associated blank as well as in the sample. This flag must be used for a TIC as well as for a positively identified target compound.
E	Identifies compounds whose concentrations exceed the calibration range of the GC/MS instrument for that specific analysis.
D	Identifies all compounds identified in an analysis at a secondary dilution factor.
A	Indicates that a TIC is a suspected aldol-condensation product.

INORGANICS

B	Indicates that the reported value was obtained from a reading that was less than the CRDL but greater than or equal to the Instrument Detection Limit (IDL).
U	Indicates that the analyte was analyzed for but not detected.
E	Indicates the reported value is estimated because of the presence of interferences.
M	Duplicate injection precision was not met.
N	Spiked sample recovery not within control limits.
S	Reported value was determined by the Method of Standard Additions (MSA).
W	Post-digestion spike for Furnace AA analysis is out of control limits, while sample absorbency is less than 50% of spike absorbency.
*	Duplicate analysis not within control limits.
+	Correlation coefficient for the MSA is less than 0.995.

DATA QUALIFIER CODES (DATAQUAL)

ORGANICS AND INORGANICS

U	The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.
J	The associated numerical value is an estimated quantity.
R	The data are unusable (compound may or may not be present). Resampling and reanalysis is necessary for verification.
N	Presumptive evidence of the presence of the material.
NJ	Presumptive evidence of the presence of the material at an estimated quantity.
UJ	The material was analyzed for, but was not detected. The sample quantitation limit is an estimated quantity.

SUB-QUALIFIER CODES

ORGANICS

D	Duplicates
B	Qualified due to blank
C	Qualified due to calibration
H	Holding time exceeded
K	Qualified due to surrogate recovery
L	Qualified due to Laboratory Control Sample
S	Qualified due to matrix spike recovery
I	Qualified due to internal standard
N	Tentative identification (only for TICs)
P	Pesticide/PCB results have >25 percent difference on two different columns
+	Positive bias (added after subqualifier)
-	Negative bias (added after subqualifier)

INORGANICS

D	Duplicates
B	Qualified due to blank
C	Qualified due to calibration
H	Holding time exceeded
L	Qualified due to Laboratory Control Sample
S	Qualified due to matrix spike recovery
I	Qualified due to interference
+	Positive bias (added after subqualifier)
-	Negative bias (added after subqualifier)
Examples of final qualification might be J-C, UJ-S(+), UJ-BC(-), etc.	

The subqualifiers have been included to clarify any reports you may use. The subqualifiers have been captured when it was included in the electronic data submitted by the contractor. Most of the data in MEIMS does not include them.

The above data was extracted from the OU9 Site Wide Quality Assurance Project Plan, pages 9-16 and Appendix H page 3-1. It was updated from the Methods Compendium.

Comparisons for Soil Analytical Results

	10-6 Risk-Based Guideline Values		
107-06-2	1,2-Dichloroethane	3.20E+00	MG/KG
118-96-7	2,4,6-Trinitrotoluene	1.91E+02	MG/KG
72-55-9	4,4'-DDE	9.00E+00	MG/KG
50-29-3	4,4'-DDT	9.00E+00	MG/KG
309-00-2	Aldrin	1.80E-01	MG/KG
5103-71-9	Alpha Chlordane	8.50E+00	MG/KG
12672-29-6	Aroclor-1248	3.85E-01	MG/KG
11096-82-5	Aroclor-1260	3.85E-01	MG/KG
7440-38-2	Arsenic	1.20E+03	MG/KG
71-43-2	Benzene	8.90E+00	MG/KG
56-55-3	Benzo(a)anthracene	4.10E+00	MG/KG
50-32-8	Benzo(a)pyrene	4.10E-01	MG/KG
205-99-2	Benzo(b)fluoranthene	4.10E+00	MG/KG
207-08-9	Benzo(k)fluoranthene	4.10E+01	MG/KG
7440-41-7	Beryllium	7.00E-01	MG/KG
319-85-7	Beta-BHC	1.65E+00	MG/KG
117-81-7	Bis(2-ethylhexyl)phthalate	2.15E+02	MG/KG
75-27-4	Bromodichloromethane	4.80E+01	MG/KG
75-25-2	Bromoform	3.75E+02	MG/KG
7440-43-9	Cadmium	1.00E+04	MG/KG
56-23-5	Carbon Tetrachloride	4.60E+00	MG/KG
67-66-3	Chloroform	3.10E+00	MG/KG
7440-47-3	Chromium	1.50E+03	MG/KG
218-01-9	Chrysene	4.10E+02	MG/KG
53-70-3	Dibenz(a,h)anthracene	4.10E-01	MG/KG
124-48-1	Dibromochloromethane	3.55E+01	MG/KG
75-09-2	Dichloromethane	3.95E+02	MG/KG
60-57-1	Dieldrin	1.85E-01	MG/KG
5103-74-2	Gamma Chlordane	8.50E+00	MG/KG
58-89-9	Gamma-BHC (Lindane)	2.30E+00	MG/KG
76-44-8	Heptachlor	0.66	MG/KG
1024-57-3	Heptachlor Epoxide	0.33	MG/KG
193-39-5	Indeno(1,2,3-cd)pyrene	4.10E+00	MG/KG
78-59-1	Isophorone	3.15E+03	MG/KG
86-30-6	N-Nitrosodiphenylamine	6.00E+02	MG/KG
87-86-5	Pentachlorophenol	2.50E+01	MG/KG
121-82-4	RDX	2.70E+01	MG/KG
79-01-6	Trichloroethene (or trichloroethylene)	5.09E+00	MG/KG
7440-41-7	1,1,1,2-Tetrachloroethane	1.10E-02	MG/L
7440-38-2	1,1,2,2-Tetrachloroethane	1.40E-03	MG/L
7440-34-8	Actinium-227	4.50E-01	PCI/G
14596-10-2	Americium-241	6.30E+00	PCI/G
13982-38-2	Bismuth-207	1.60E-01	PCI/G
10045-97-3	Cesium-137	3.40E-01	PCI/G
10198-40-0	Cobalt-60	7.00E-02	PCI/G
14255-04-0	Lead-210	6.20E-01	PCI/G

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13981-16-3	Plutonium-238	6.10E+00	PCI/G
15117-48-3	Plutonium-239	5.50E+00	PCI/G
PU239/240	Plutonium-240	6.10E+00	PCI/G
13966-00-2	Potassium-40	1.42E+00	PCI/G
14331-85-2	Protactinium-231	3.90E-01	PCI/G
13982-63-3	Radium-226	9.00E-02	PCI/G
10098-97-2	Strontium-90	9.40E+00	PCI/G
14274-82-9	Thorium-228	1.10E-01	PCI/G
14269-63-7	Thorium-230	9.00E-02	PCI/G
7440-29-1	Thorium-232	7.00E-02	PCI/G
10028-17-8	Tritium	2.35E+04	PCI/G
13968-55-3	Uranium-233	9.68E-01	PCI/G
13966-29-5	Uranium-234	1.05E+01	PCI/G
15117-96-1	Uranium-235	1.60E+00	PCI/G
24678-82-8	Uranium-238	1.00E-01	PCI/G
14596-10-2	Americium-241	4.90E-01	PCI/L
14331-79-4	Bismuth-210	2.20E+01	PCI/L
15262-20-1	Radium-228	3.30E-01	PCI/L
13967-73-2	Strontium-85	1.10E+02	PCI/L
10098-97-2	Strontium-90	3.90E+00	PCI/L
15623-47-9	Thorium-227	4.00E+00	PCI/L
14274-82-9	Thorium-228	6.90E-01	PCI/L
14269-63-7	Thorium-230	1.20E-01	PCI/L
7440-29-1	Thorium-232	3.10E-01	PCI/L
24678-82-8	Uranium-238+D	2.02E-01	PCI/L
	OU9 Soil Background Values		
72-54-8	4,4'-DDD	4.2	MG/KG
72-55-9	4,4'-DDE	4.3	MG/KG
50-29-3	4,4'-DDT	13	MG/KG
309-00-2	Aldrin	ND	MG/KG
5103-71-9	Alpha Chlordane	ND	MG/KG
319-84-6	Alpha-BHC	ND	MG/KG
7429-90-5	Aluminum	19000	MG/KG
14596-10-2	Americium-241	ND	MG/KG
12672-29-6	Aroclor-1248	ND	MG/KG
11097-69-1	Aroclor-1254	58	MG/KG
11096-82-5	Aroclor-1260	ND	MG/KG
7440-38-2	Arsenic	8.6	MG/KG
7440-39-3	Barium	180	MG/KG
7440-41-7	Beryllium	1.3	MG/KG
319-85-7	Beta-BHC	ND	MG/KG
7440-69-9	Bismuth	ND	MG/KG
13982-38-2	Bismuth-207	ND	MG/KG
14331-79-4	Bismuth-210m	ND	MG/KG
7440-43-9	Cadmium	2.1	MG/KG
7440-70-2	Calcium	310000	MG/KG
7440-47-3	Chromium	20	MG/KG
7440-48-4	Cobalt	19	MG/KG

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7440-50-8	Copper	26	MG/KG
57-12-5	Cyanide	ND	MG/KG
60-57-1	Dieldrin	ND	MG/KG
959-98-8	Endosulfan I	ND	MG/KG
1031-07-8	Endosulfan Sulfate	ND	MG/KG
72-20-8	Endrin	ND	MG/KG
7421-93-4	Endrin Aldehyde	ND	MG/KG
53494-70-5	Endrin Ketone	ND	MG/KG
5103-74-2	Gamma Chlordane	ND	MG/KG
58-89-9	Gamma-BHC (Lindane)	ND	MG/KG
76-44-8	Heptachlor	ND	MG/KG
1024-57-3	Heptachlor Epoxide	ND	MG/KG
77-47-4	Hexachlorocyclopentadiene	ND	MG/KG
7439-89-6	Iron	35000	MG/KG
7439-92-1	Lead	48	MG/KG
7439-93-2	Lithium	26	MG/KG
7439-95-4	Magnesium	40000	MG/KG
7439-96-5	Manganese	1400	MG/KG
7439-97-6	Mercury	ND	MG/KG
72-43-5	Methoxychlor	30	MG/KG
7439-98-7	Molybdenum	27	MG/KG
7440-02-0	Nickel	32	MG/KG
7440-09-7	Potassium	1900	MG/KG
7782-49-2	Selenium	ND	MG/KG
7440-22-4	Silver	1.7	MG/KG
7440-23-5	Sodium	240	MG/KG
7440-28-0	Thallium	0.46	MG/KG
7440-31-5	Tin	20	MG/KG
7440-62-2	Vanadium	25	MG/KG
7440-66-6	Zinc	140	MG/KG
7440-34-8	Actinium-227	1.10E-01	PCI/G
10045-97-3	Cesium-137	0.42	PCI/G
14255-04-0	Lead-210	1.20E+00	PCI/G
13981-16-3	Plutonium-238	0.13	PCI/G
15117-48-3	Plutonium-239	1.80E-01	PCI/G
PU239/240	Plutonium-240	1.80E-01	PCI/G
13966-00-2	Potassium-40	37	PCI/G
14331-85-2	Protactinium-231	1.10E-01	PCI/G
13982-63-3	Radium-226	2	PCI/G
10098-97-2	Strontium-90	0.72	PCI/G
14274-82-9	Thorium-228	1.5	PCI/G
14269-63-7	Thorium-230	1.9	PCI/G
7440-29-1	Thorium-232	1.4	PCI/G
10028-17-8	Tritium	1.6	PCI/G
13966-29-5	Uranium-234	1.1	PCI/G
15117-96-1	Uranium-235	0.11	PCI/G
24678-82-8	Uranium-238	1.2	PCI/G

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Core Team Determined Screening Levels			
7439-92-1	Lead	400	MG/KG
7440-34-8	Actinium-227	5.60E-01	PCI/G
14596-10-2	Americium-241	6.3	PCI/G
13982-38-2	Bismuth-207	0.175	PCI/G
10045-97-3	Cesium-137	0.76	PCI/G
10198-40-0	Cobalt-60	7.00E-02	PCI/G
14255-04-0	Lead-210	1.80E+00	PCI/G
13981-16-3	Plutonium-238	55	PCI/G
14331-85-2	Protactinium-231	4.00E+00	PCI/G
13982-63-3	Radium-226	2.1	PCI/G
14274-82-9	Thorium-228	1.61	PCI/G
14269-63-7	Thorium-230	2	PCI/G
7440-29-1	Thorium-232	1.47	PCI/G
15117-96-1	Uranium-235	1.7	PCI/G
24678-82-8	Uranium-238+D	1.3	PCI/G
Maximum Contaminant Level for Drinking Water			
71-55-6	1,1,1-Trichloroethane	0.2	MG/L
79-00-5	1,1,2-Trichloroethane	0.005	MG/L
75-35-4	1,1-Dichloroethene	0.007	MG/L
120-82-1	1,2,4-Trichlorobenzene	0.07	MG/L
156-59-2	1,2-cis-Dichloroethene	0.07	MG/L
106-93-4	1,2-Dibromoethane	0.00005	MG/L
95-50-1	1,2-Dichlorobenzene	0.6	MG/L
107-06-2	1,2-Dichloroethane	0.005	MG/L
78-87-5	1,2-Dichloropropane	0.005	MG/L
156-60-5	1,2-trans-Dichloroethene	0.01	MG/L
106-46-7	1,4-Dichlorobenzene	0.075	MG/L
95-95-4	2,4,5-Trichlorophenol	0.05	MG/L
94-75-7	2,4-D	0.07	MG/L
7440-36-0	Antimony	0.0006	MG/L
7440-38-2	Arsenic	0.05	MG/L
7440-39-3	Barium	2	MG/L
71-43-2	Benzene	0.005	MG/L
50-32-8	Benzo(a)pyrene	0.002	MG/L
7440-41-7	Beryllium	0.004	MG/L
117-81-7	bis(2-ethylhexyl)phthalate	0.006	MG/L
75-27-4	Bromodichloromethane	0.008	MG/L
75-25-2	Bromoform	0.008	MG/L
7440-43-9	Cadmium	0.005	MG/L
56-23-5	Carbon Tetrachloride	0.005	MG/L
57-74-9	Chlordane	0.002	MG/L
108-90-7	Chlorobenzene	0.1	MG/L
67-66-3	Chloroform	0.008	MG/L
7440-47-3	Chromium	0.1	MG/L
7440-50-8	Copper	1.3	MG/L
57-12-5	Cyanide	0.2	MG/L
96-12-8	Dibromochloropropane	0.0002	MG/L

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75-09-2	Dichloromethane (Methylene Chloride)	0.005	MG/L
88-85-7	Dinoseb	0.007	MG/L
1746-01-6	Dioxin	0.00000003	MG/L
72-20-8	Endrin	0.002	MG/L
100-41-4	Ethylbenzene	0.07	MG/L
16984-48-8	Flouride	4	MG/L
58-89-9	Gamma-BHC (Lindane)	0.0002	MG/L
76-44-8	Heptachlor	0.0004	MG/L
1024-57-3	Heptachlor Epoxide	0.0002	MG/L
118-74-1	Hexachlorobenzene	0.001	MG/L
77-47-4	Hexachlorocyclopentadiene	0.05	MG/L
7439-92-1	Lead	0.015	MG/L
7439-97-6	Mercury	0.002	MG/L
72-43-5	Methoxychlor	0.04	MG/L
7440-02-0	Nickel	0.1	MG/L
NO3	Nitrate	10	MG/L
14797-65-0	Nitrite	1	MG/L
87-86-5	Pentachlorophenol	0.001	MG/L
7782-49-2	Selenium	0.05	MG/L
100-42-5	Styrene	0.1	MG/L
127-18-4	Tetrachloroethene	0.005	MG/L
7440-28-0	Thallium	0.002	MG/L
108-88-3	Toluene	1	MG/L
8001-35-2	Toxaphene	0.003	MG/L
79-01-6	Trichloroethene	0.005	MG/L
75-01-4	Vinyl Chloride	0.002	MG/L
1330-20-7	Xylenes, Total	10	MG/L
7440-34-8	Actinium-227	0.4	PCI/L
14596-10-2	Americium-241	1.2	PCI/L
13982-38-2	Bismuth-207	1200	PCI/L
10045-97-3	Cesium-137	120	PCI/L
10198-40-0	Cobalt-60	400	PCI/L
13981-16-3	Plutonium-238	1.6	PCI/L
13982-63-3	Radium-226	4	PCI/L
10098-97-2	Strontium-90	40	PCI/L
14274-82-9	Thorium-228	16	PCI/L
14269-63-7	Thorium-230	12	PCI/L
7440-29-1	Thorium-232	2	PCI/L
10028-17-8	Tritium	20000	PCI/L
13968-55-3	Uranium-233	20	PCI/L
13966-29-5	Uranium-234	20	PCI/L
15117-96-1	Uranium-235	24	PCI/L
24678-82-8	Uranium-238	24	PCI/L
	Guideline Values based on the Hazard Index		
76-13-1	1,1,2-Trichloro-1,2,2triflouroethane	7.00E+04	MG/KG
75-34-3	1,1-Dichloroethane	7.80E+00	MG/KG
120-82-1	1,2,4-Trichlorobenzene	2.04E+04	MG/KG
156-59-2	1,2-cis-Dichloroethene	2.13E+03	MG/KG

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156-60-5	1,2-trans-Dichloroethene	4.30E+03	MG/KG
99-65-0	1,3-Dinitrobenzene	2.00E+02	MG/KG
118-96-7	2,4,6-Trinitrotoluene	1.00E+03	MG/KG
78-93-3	2-Butanone	9.30E+03	MG/KG
95-57-8	2-Chlorophenol	1.06E+03	MG/KG
108-10-1	2-Methyl-4-pentanone	7.00E+02	MG/KG
50-29-3	4,4'-DDT	1.10E+02	MG/KG
106-44-5	4-Methylphenol	1.10E+03	MG/KG
67-64-1	Acetone	2.10E+04	MG/KG
309-00-2	Aldrin	6.4	MG/KG
5103-71-9	Alpha Chlordane	110	MG/KG
7429-90-5	Aluminum	210000	MG/KG
120-12-7	Anthracene	6.40E+04	MG/KG
7440-36-0	Antimony	8.50E+01	MG/KG
11097-69-1	Aroclor-1254	4.30E+00	MG/KG
7440-38-2	Arsenic	6.40E+01	MG/KG
7440-39-3	Barium	1.50E+04	MG/KG
65-85-0	Benzoic Acid	8.50E+05	MG/KG
7440-41-7	Beryllium	1.10E+03	MG/KG
117-81-7	Bis(2-ethylhexyl)phthalate	4.30E+03	MG/KG
75-27-4	Bromodichloromethane	4.30E+03	MG/KG
75-25-2	Bromoform	4.30E+03	MG/KG
85-68-7	Butyl Benzyl Phthalate	4.30E+04	MG/KG
7440-43-9	Cadmium	2.10E+02	MG/KG
75-15-0	Carbon Disulfide	2.80E+02	MG/KG
56-23-5	Carbon Tetrachloride	1.50E+02	MG/KG
75-00-3	Chloroethane	1.60E+02	MG/KG
67-66-3	Chloroform	2.10E+03	MG/KG
7440-47-3	Chromium	1.10E+03	MG/KG
18540-29-9	Chromium-VI	6.39E+02	MG/KG
7440-50-8	Copper	7.90E+03	MG/KG
57-12-5	Cyanide	4.30E+03	MG/KG
53-70-3	Dibenz(a,h)anthracene	4.08E-02	MG/KG
124-48-1	Dibromochloromethane	4.30E+03	MG/KG
75-09-2	Dichloromethane	1.00E+03	MG/KG
60-57-1	Dieldrin	1.10E+01	MG/KG
84-74-2	Di-n-butyl Phthalate	2.10E+04	MG/KG
117-84-0	Di-n-octyl Phthalate	4.30E+03	MG/KG
959-98-8	Endosulfan I	1300	MG/KG
33213-65-9	Endosulfan II	1300	MG/KG
100-41-4	Ethylbenzene	4.80E-01	MG/KG
86-73-7	Flourene	8.50E+03	MG/KG
206-44-0	Fluoranthene	8.50E+03	MG/KG
5103-74-2	Gamma Chlordane	110	MG/KG
58-89-9	Gamma-BHC (Lindane)	64	MG/KG
76-44-8	Heptachlor	110	MG/KG
1024-57-3	Heptachlor Epoxide	2.8	MG/KG
110-54-3	Hexane	9.10E+01	MG/KG
193-39-5	Indeno(1,2,3-cd)pyrene	4.08E-01	MG/KG

78-59-1	Isophorone	4.30E+04	MG/KG
7439-96-5	Manganese	2.70E+04	MG/KG
7439-97-6	Mercury	6.40E+01	MG/KG
72-43-5	Methoxychlor	1100	MG/KG
7440-02-0	Nickel	4.30E+03	MG/KG
87-86-5	Pentachlorophenol	6.40E+03	MG/KG
108-95-2	Phenol	1.30E+05	MG/KG
129-00-0	Pyrene	6.40E+03	MG/KG
7782-49-2	Selenium	1100	MG/KG
7440-22-4	Silver	1.10E+03	MG/KG
127-18-4	Tetrachloroethene	2.10E+03	MG/KG
7440-28-0	Thallium	17	MG/KG
7440-31-5	Tin	130000	MG/KG
108-88-3	Toluene	2.50E+02	MG/KG
75-69-4	Trichlorofluoromethane	7.30E+02	MG/KG
7440-62-2	Vanadium	1.50E+03	MG/KG
1330-20-7	Xylenes, Total	4.30E+05	MG/KG
7440-66-6	Zinc	6.40E+04	MG/KG
7440-41-7	1,1,1,2-Tetrachloroethane	2.90E-01	MG/L
7440-38-2	1,1,2,2-Tetrachloroethane	2.50E-01	MG/L
71-55-6	1,1,1-Trichloroethane	1.80E+00	MG/L
76-13-1	1,1,2-Trichloro-1,2,2triflouroethane	2.50E+03	MG/L
7429-90-5	Aluminum	100	MG/L
7440-42-8	Boron	9.00E+00	MG/L
18540-29-9	Chromium-VI	3.00E-01	MG/L
7440-48-4	Cobalt	6	MG/L
7440-50-8	Copper	4.00E+00	MG/L
7439-98-7	Molybdenum	0.5	MG/L
7782-49-2	Selenium	0.5	MG/L
7440-28-0	Thallium	0.008	MG/L
7440-31-5	Tin	60	MG/L
2691-41-0	HMX	1.10E+04	UG/KG
121-82-4	RDX	6.40E+04	UG/KG

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Appendix M

Occurrence Reports

A search of the occurrence reporting system revealed three reports, all of which were minor and without environmental impact.

- (2) Smoke detector false alarm, dust
- Alarm caused by water leak, false alarm

ALO-DA-EGGM-EGGMAT03-1990-0001 Final Report

Occurrence Report

Main Hill Facilities

(Name of Facility)

Unknown

(Facility Function)

Mound Plant EG&G Mound Applied Technologies

(Laboratory, Site, or Organization)

Name: Fischbein, R. A.
Title: Director, Operations **Telephone No.:** (513) 865-3727

(Facility Manager/Designee)

Name: Fischbein, R. A.
Title: Director, Operations **Telephone No.:** (513) 865-3727

(Originator/Transmitter)

Name: **Date:**

(Authorized Classifier (AC))

1. **Occurrence Report Number:** ALO-DA-EGGM-EGGMAT03-1990-0001

False alarm, Building 49 Smoke Detector

2. **Report Type and Date:** Final

	Date	Time
Notification:	09/07/1990	
Initial Update:	09/21/1990	
Latest Update:	09/21/1990	
Final:	09/28/1990	

3. **Occurrence Category:** Off-Normal

4. **Number of Occurrences:** 1 **Original OR:**

5. **Division or Project:** EG&G MOUND

6. **Secretarial Office:** DP - Defense Programs

7. **System, Bldg., or Equipment:** Building 49, R-136

8. **UCNI?:** No

9. **Plant Area:** Test Fire Area

10. **Date and Time Discovered:** 09/06/1990 14:55 (ETZ)

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11. Date and Time Categorized: 09/06/1990 16:47 (ETZ)

12. DOE Notification:

Date	Time	Person Notified	Organization
09/06/1990	16:47 (ETZ)	George Gartre	DAO

13. Other Notifications:

Date	Time	Person Notified	Organization
09/06/1990	16:47 (ETZ)		

14. Subject or Title of Occurrence:

False alarm, Building 49 Smoke Detector

15. Nature of Occurrence:

16. Description of Occurrence:

There was a false alarm due to an apparent smoke detector failure at 2:55 p.m. in Building 49, which is an explosives component assembly production building.

17. Operating Conditions of Facility at Time of Occurrence:

Normal production operations in progress at the time of the incident.

18. Activity Category:

- Unknown

19. Immediate Actions Taken and Results:

Building was temporarily evacuated as a precautionary measure which is standard procedure in explosives areas when an alarm sounds.

20. Direct Cause:

1) Equipment/Material Problem
~. Equipment/Material Problems Reported Prior to 04/01/91

21. Contributing Cause(s):

2) Procedure Problem
~. Procedure Problems Reported Prior to 04/01/91

22. Root Cause:

1) Equipment/Material Problem
~. Equipment/Material Problems Reported Prior to 04/01/91

23. Description of Cause:

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The occurrence was a false alarm caused by the failure of a modulator in the annunciator panel for Building 49. The modulator was found defective after an electrical check of the entire system was conducted. There was no other problems with the annunciator alarm panel found.

24. Evaluation (by Facility Manager/Designee):

The impact of this incident was minimal. Standard practice was followed in evacuating the work area when the alarm sounded because the work area is an explosives area. Personnel followed procedures properly. The net impact was 1/2 hour of lost work time.

25. Is Further Evaluation Required?: No

26. Corrective Actions
(* = Date added/revised since final report was approved.)

1.

Replace defective modular and conducted a successful test of the systems.	
Target Completion Date: 09/26/1990	**Completion Date:** 09/26/1990

27. Impact on Environment, Safety and Health:

None

28. Programmatic Impact:

Lost approximately 1/2 hour of work in the Timer Production area. This loss represents approximately $280.00 in lost hourly wages.

29. Impact on Codes and Standards:

30. Lessons Learned:

The defective modular in the annunciator alarm panel caused a false alarm which resulted in a building evacuation. The electrician that replaced the modular stated that it just went bad, which is expected over a period of time.

31. Similar Occurrence Report Numbers:

32. User-defined Field #1:

33. User-defined Field #2:

34. DOE Facility Representative Input:

35. DOE Program Manager Input:

36. Approvals:

M 3 of 13

Approved by: Robert A. Fscble, Facility Manager/Designee
Date: 09/26/1990
Telephone No.: (513) 865-3727

Approved by: G. R. Gortuel, Facility Representative/Designee
Date: 09/26/1990
Telephone No.:

Approved by: R. A. Heig, Program Manager/Designee
Date: 09/28/1990
Telephone No.:

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OH-MB-EGGM-EGGMAT03-1995-0001 Final Report

Occurrence Report

Main Hill Facilities

(Name of Facility)

Explosive

(Facility Function)

Mound Plant EG&G Mound Applied Technologies

(Laboratory, Site, or Organization)

Name: ALLISON, JERRY L
Title: DESTRUCTIVE TESTING MANAGER **Telephone No.:** (513) 865-4533

(Facility Manager/Designee)

Name: Jerry L. Allison
Title: Destructive Testing Manager **Telephone No.:** (513) 865-4533

(Originator/Transmitter)

Name: Robert A. Ward **Date:** 03/28/1995

(Authorized Classifier (AC))

1. Occurrence Report Number: OH-MB-EGGM-EGGMAT03-1995-0001

Precautionary Evacuation of an Explosive Facility.

2. Report Type and Date: Final

	Date	Time
Notification:	03/20/1995	15:26 (MTZ)
Initial Update:	03/29/1995	08:47 (MTZ)
Latest Update:	03/29/1995	08:47 (MTZ)
Final:	04/06/1995	08:46 (MTZ)

3. Occurrence Category: Off-Normal

4. Number of Occurrences: 1 **Original OR:**

5. Division or Project: Mound Plant/EG&G Mound Applied Tech.

6. Secretarial Office: DP - Defense Programs

7. System, Bldg., or Equipment: Building 49

8. UCNI?: No

9. Plant Area: Lower Plant Area

10. Date and Time Discovered: 03/17/1995 09:00 (ETZ)

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11. Date and Time Categorized: 03/17/1995 10:50 (ETZ)

12. DOE Notification:

Date	Time	Person Notified	Organization
03/20/1995	07:00 (ETZ)	Fred G. Holbrook	DOE/MB

13. Other Notifications:

14. Subject or Title of Occurrence:

Precautionary Evacuation of an Explosive Facility.

15. Nature of Occurrence:

01) Facility Condition
H. Operations

16. Description of Occurrence:

On Friday, March 17, 1995, at approximately 0900 hours (ETZ) the evacuation bells sounded in Building 49. Friday being a non-working day for contractor, one employee of EG&G Star City Inc. (a company using the Building under a Right-to-Use Agreement with DOE) was in the building at the time. He evacuated the building and called the Mound Fire Department. The Communication Center also received an alarm signal from the manual pull station in Building 49. The alarm system reset itself immediately after some apparent electrical and instrument noise.

This Occurrence Report was reviewed by an Authorized Derivative Classifier (R. A. Ward, Property Manager) on March 28, 1995 at 0800 (ETZ) and contains no Classified or UCNI information.

17. Operating Conditions of Facility at Time of Occurrence:

Normal first shift operations for Star City, Inc. Normal off-hour operations for EG&G Mound Applied Technologies, Inc.

18. Activity Category:

03 - Normal Operations

19. Immediate Actions Taken and Results:

Personnel from EG&G Star City, Inc., evacuated Building 49 upon hearing the evacuation bells and remained in the assembly area until the all clear was given. The alarm system reset itself immediately after some apparent electrical or instrument noise.

20. Direct Cause:

1) Equipment/Material Problem
E. Electrical or Instrument Noise

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21. Contributing Cause(s):

22. Root Cause:

1) Equipment/Material Problem
E. Electrical or Instrument Noise

23. Description of Cause:

The direct and root cause of this occurrence was electrical noise (transient pulse type) from the Building 49 pull station circuit. This noise caused the evacuation bells to activate in Building 49. Upon inspection of the circuitry no apparent problems could be detected.

24. Evaluation (by Facility Manager/Designee):

the pull station circuit and Data Gathering Panel no apparent problems could be found. Last year this same problem occurred in Building 87 and 27, no apparent reason other than electrical noise could be found for those occurrences either. At this time, the circuit boards in the Data Gathering Panel seem to be operating correctly. Due to the age of Mound's Fire Detection System, it is prone to transient pulses and other equipment failures.

25. Is Further Evaluation Required?: No

26. Corrective Actions
(* = Date added/revised since final report was approved.)

1.

Inspect pull station circuit and Data Gathering Panel for possible shorts or other faults.	
Target Completion Date: 03/21/1995	**Completion Date:** 03/21/1995

27. Impact on Environment, Safety and Health:

None

28. Programmatic Impact:

None

29. Impact on Codes and Standards:

None

30. Lessons Learned:

Since this is an explosive facility it is EG&G Mound's policy that personnel will evacuate the building immediately when any alarm is activated and not wait to see if the alarm will reset after a transient pulse.

The age and the reliability of the fire alarm system at Mound is a major factor in these types of incidents. The frequency

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of equipment failures is high, along with false alarms which come into the Communication Center and reset within a few seconds. For lack of DOE funding, the fire alarm system upgrade has not be implemented.

31. Similar Occurrence Report Numbers:

1. ALO-DA-EGGM-EGGMAT03-1993-0004
2. ALO-DA-EGGM-EGGMAT03-1994-0015
3. ALO-DA-EGGM-EGGMAT03-1994-0016

32. User-defined Field #1:

33. User-defined Field #2:

34. DOE Facility Representative Input:

35. DOE Program Manager Input:

36. Approvals:

Approved by: ALLISON, JERRY L, Facility Manager/Designee
Date: 03/29/1995
Telephone No.: (513) 865-4533

Approved by: DEV, MADAN, Facility Representative/Designee
Date: 03/30/1995
Telephone No.: (513) 865-4714

Approved by: KUMAR, RAMENDRA, Program Manager/Designee
Date: 04/06/1995
Telephone No.: (301) 903-2865

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OH-MB-EGGM-EGGMAT03-1995-0003 Final Report

Occurrence Report

Main Hill Facilities

(Name of Facility)

Explosive

(Facility Function)

Mound Plant EG&G Mound Applied Technologies

(Laboratory, Site, or Organization)

Name: ALLISON, JERRY L
Title: DESTRUCTIVE TESTING MANAGER **Telephone No.:** (513) 865-4533

(Facility Manager/Designee)

Name: Jerry L. Allison
Title: Explosive Facilities Manager **Telephone No.:** (513) 865-4533

(Originator/Transmitter)

Name: D. W. Organ **Date:** 06/20/1995

(Authorized Classifier (AC))

1. **Occurrence Report Number:** OH-MB-EGGM-EGGMAT03-1995-0003

   Actuation of a Safety System

2. **Report Type and Date:** Final

	Date	Time
Notification:	06/12/1995	05:43 (MTZ)
Initial Update:	06/21/1995	06:09 (MTZ)
Latest Update:	06/21/1995	06:09 (MTZ)
Final:	06/29/1995	12:59 (MTZ)

3. **Occurrence Category:** Off-Normal

4. **Number of Occurrences:** 1 **Original OR:**

5. **Division or Project:** EG&G MOUND APPLIED TECHNOLOGIES

6. **Secretarial Office:** DP - Defense Programs

7. **System, Bldg., or Equipment:** Building 49 - Actuation of a Safety System - Smoke Detector

8. **UCNI?:** No

9. **Plant Area:** Low Plant Area

10. **Date and Time Discovered:** 06/10/1995 01:39 (ETZ)

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11. Date and Time Categorized: 06/10/1995 02:45 (ETZ)

12. DOE Notification:

Date	Time	Person Notified	Organization
06/12/1995	07:17 (ETZ)	Ron Berry	DOE/MB

13. Other Notifications:

14. Subject or Title of Occurrence:

Actuation of a Safety System

15. Nature of Occurrence:

01) Facility Condition
H. Operations

16. Description of Occurrence:

At approximately 0039 hours (ETZ) on Saturday, June 10, 1995, a smoke detector in Building 49, Room 136 actuated (This Building is used by EG&G Star City, Inc.). The building evacuation bells and gong sounded, after the time out setting was reached, the bells and gong reset. The Communication Center operator read the message on the computer printout wrong and believed that the smoke detector had also restored along with the bells and gong. At approximately 0139 hours (ETZ), the Communication Center operator received the normal fire alarm status report which still showed the Building 49, Room 136 smoke detector active. The Fire Department was called by the Communication Center at 0140 hours (ETZ) and responded to Building 49 where they found water leaking from a smoke detector in Room 136. After inspecting the area it was believed that the water was coming from a roof leak.

An inspection of the roof and penthouse revealed approximately 4 inches of water on the floor of the enclosure that houses one of the HVAC units. The Maintenance Department found that filters in the HVAC unit were so dirty that a vacuum was being created that prevented the condensate from the Air Conditioner to drain out of the HVAC unit. The buildup of water was then running down into Room 136.

This Occurrence Report was reviewed by an Authorized Derivative Classifier, D. W. Organ, Emergency Management) on June 20, 1995, at 1430 hours (ETZ) and contains no Classified or UCNI Information.

17. Operating Conditions of Facility at Time of Occurrence:

Normal Off-Shift operating conditions existed during this occurrence

18. Activity Category:

03 - Normal Operations

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19. Immediate Actions Taken and Results:

The Fire Department called the Explosive Facilities Manager at approximately 0245 hours (ETZ) to report the occurrence and get permission to take the effected smoke detector out-of-service. The Fire Department called in an electrical maintenance person to jumper out the effected smoke detector head (the room still has several other smoke detectors) until the water leak was repaired.

20. Direct Cause:

1) Equipment/Material Problem
F. Contaminant

21. Contributing Cause(s):

3) Personnel Error
A. Inattention to Detail

22. Root Cause:

6) Management Problem
A. Inadequate Administrative Control

23. Description of Cause:

The direct cause of the occurrence was contaminated (dirty) air intake filters which allowed the air handling unit to create a vacuum in the HVAC enclosure that prevented the condensed water from the air conditioner from draining out of the unit. The buildup of water inside the HVAC enclosure was then leaking into the smoke detector in Building 49, Room 136. The root cause of the contaminated air intake filters was the removal of the preventative maintenance program for the HVAC units in Building 49 because of budgetary reasons. A contributing cause in the occurrence was a human error in reading the computer printout when the smoke detector actuated. The result of this inattention to detail was a delay of one hour in reporting the occurrence to the Fire Department.

24. Evaluation (by Facility Manager/Designee):

With the budget constraints placed upon plant maintenance, the reduction in preventative maintenance is likely to cause other problems in utility systems around the plant. The smoke detector system is capable of detecting situations where an air handling unit is creating large amounts of humidity or if water is leaking into the smoke detector itself. In these cases, problems can be identified before major damage is done to the building or its contents.

The lack of attention to detail by the Communication Center Operator, could be a serious matter if an actual fire had occurred. The smoke detectors afford some degree of early warning before the fire causes the sprinkler system to actuate. When the Communication Center Operator does not report these alarms, this early warning is lost and potential for greater damage is increased.

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25. Is Further Evaluation Required?: No

26. Corrective Actions
(* = Date added/revised since final report was approved.)

1. Replace filters in HVAC unit - Building 49

Target Completion Date: 06/13/1995	**Completion Date:** 06/13/1995

2. Replace Smoke Detector - Building 49, Room 136

Target Completion Date: 06/15/1995	**Completion Date:** 06/15/1995

3. Counsel Communication Center operators on importance of reading fire alarm messages correctly.

Target Completion Date: 06/15/1995	**Completion Date:** 06/15/1995

27. Impact on Environment, Safety and Health:

None

28. Programmatic Impact:

None

29. Impact on Codes and Standards:

None

30. Lessons Learned:

Smoke Detector Systems not only detect smoke from fires but water and high humidity from other causes. This makes the smoke detector system valuable as an early warning system to water that may damage the contents of a room or building. For an early warning system to be effective, the operators monitoring the system must pay attention to details and read the messages received correctly.

31. Similar Occurrence Report Numbers:

1. None

32. User-defined Field #1:

33. User-defined Field #2:

34. DOE Facility Representative Input:

35. DOE Program Manager Input:

36. Approvals:

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Approved by: ALLISON, JERRY L, Facility Manager/Designee
Date: 06/21/1995
Telephone No.: (513) 865-4533

Approved by: BERRY, RONALD E, Facility Representative/Designee
Date: 06/22/1995
Telephone No.: (513) 865-4836

Approved by: KUMAR, RAMENDRA, Program Manager/Designee
Date: 06/29/1995
Telephone No.: (301) 903-2865

Appendix N

PRS Information

Recommendation pages are not generated for PRSs that require Further Assessment (FA) or that have been unbinned. Accordingly, there is no recommendation page included for PRS 67.

PRS 87 was binned as a Removal Action at the December 2002 Core Team meeting. The recommendation sheet has not yet been generated and therefore is not included in this package.

MOUND PLANT

PRS 72

Area 13
Polonium from Dayton Unit IV

RECOMMENDATION:

Potential Release Site (PRS) 72 was identified as the area used in the early 1950s for the storage of contaminated materials (i.e. wood, equipment and other material) brought to Mound from the former Dayton Unit operations. The material was staged in and around Area 13 located in the lower valley (Test Fire) area. PRS 72 was binned Further Assessment (FA) by the Core Team in April of 1996 and again in March 1997. Further Assessment sampling was completed in July of 2001 per the Sampling and Analysis Plan (SAP) approved by the Core Team. The additional sampling events conducted in July did not identify levels of concern.

Therefore, PRS 72 requires NO FURTHER ASSESSMENT.

DOE/MEMP: _____
Robert S. Rothman, Remedial Project Manager

USEPA: _____
Timothy J. Fischer, Remedial Project Manager

OEPA: _____
Brian K. Nickel, Project Manager

PRS 83 and 89

MOUND PLANT RECOMMENDATION

Building 2

Background:

Building 2 was built to serve as an energetic materials destructive testing facility. It was constructed in 1956 with five subsequent additions. The building contains three firing rooms/chambers and three dark rooms. The dark rooms were used to develop pictures taken during detonator tests. The building also contained two underground tanks. One tank was a 1,000-gallon fuel oil storage tank removed in 1968, and the other tank was a 450-gallon septic tank, which was abandoned in place in 1984. Building 2 contains 6,291 square feet. Safe Shutdown was concluded in 1995. Almost all equipment has been removed from the building. Building 2 is currently inactive.

Recommendation:

After thorough review of the environmental data and the Building Data Package, the Core Team agrees that all existing environmental issues associated with Building 2 have been resolved. Future use of Building 2 will be restricted to commercial/industrial use. The Core Team hereby recommends that the U.S. Department of Energy submit a letter to the Administrator of the U.S. EPA for final approval of the lease or sale of this property, as required by Section 120(h) of CERCLA.

DOE/MEMP: _____
Robert S. Rothman, Remedial Project Manager

USEPA: _____
Timothy J. Fischer, Remedial Project Manager

OEPA: _____
Brian K. Nickel, Project Manager

N 2 of 8

concluded that the building is radiologically clean. No further radiological surveys are required. Associated radiological survey documentation for the information summarized in the following table is contained in Appendix G.

TYPE	RSDS	LOCATION	SURVEY RESULTS (dpm/100 cm^2)	SURFACE CONTAMINATION GUIDELINES (dpm/100 cm^2) (Note 1)	COMMENTS
Highest Alpha Smearable Activity	98-TF-363	Horizontal Surfaces & Equipment	4.6	20	
Highest Alpha Fixed Activity	Note 2	Misc.	< 100	100	
Highest Beta Smearable Activity	98-TF-363	Horizontal Surfaces & Equipment	5.96	1,000	
Highest Beta Fixed Activity	Note 2	Misc.	< 5000	5,000	
Highest Tritium Smearable Activity	00-TF-430	Horizontal Surfaces & Equipment	47.47	10,000	

Note 1: Core Team determined values
Note 2: All radiological surveys indicated < 100 dpm/100cm^2 alpha and < 5000 dpm/100cm^2 beta

2.5 Associated PRS Table for Building 2

See Appendix N and Paragraph 4.2.3. Also note Mound Plant graphical depiction located in the Introduction to this Building Data Package.

PRS #	CERCLA or BLDG. RELATED	BINNING STATUS	COMMENTS
PRS 72	CERCLA	FA	Currently being evaluated by Soils Project
PRS 83	Building Related Propane Storage Tank[1]	Not yet binned	To be binned with Building 2
PRS 89	Building Related Residual Storage Area[2]	Not yet binned	To be binned with Building 2
PRS 330	CERCLA	NFA 2/19/97	Fuel Oil Tank 260
PRS 331	CERCLA	NFA 4/18/96	Septic Tank 261
PRS 362	CERCLA	NFA 11/20/96	Soil Contamination

Notes: FA-Further assessment, NFA-No Further Action, RA-Removal Action,

[1] Has been removed
[2] Was cleaned up during Safe Shutdown

MOUND PLANT
PRS 315/316/319
WASTE TRANSPORTATION VEHICLES, TRASH DUMPSTERS, AND EPOXY RESIN WASTE STORAGE SITE - BUILDING 49

RECOMMENDATION:

Potential Release Sites (PRSs) 315, 316 and 319 were identified in the 1988 RCRA Facility Assessment (RFA) during the Visual Site Inspection (VSI) at Mound. They were identified due to potential releases from the trash dumpsters or the waste transport vehicles. There was no evidence of a spill or release from the trash dumpsters or the waste transport vehicles. A subsequent review of the RFA/VSI information was conducted in 1990 by the Environmental Restoration Program and confirmed that no environmental releases occurred from these PRSs, therefore, NO FURTHER ASSESSMENT is recommended.

CONCURRENCE:

DOE/MB: Arthur W Kleinrath 11/27/96
Arthur W. Kleinrath, Remedial Project Manager (date)

USEPA: Timothy J. Fisch 12/3/96
Timothy J. Fischer, Remedial Project Manager (date)

OEPA: Brian K. Nickel 12/17/96
Brian K. Nickel, Project Manager (date)

SUMMARY OF COMMENTS AND RESPONSES:

Comment period from 1/30/97 to 3/6/97

☒ No comments were received during the comment period.

☐ Comment responses can be found on page _____ of this package.

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MOUND PLANT
PRS 330
FORMER TANK SITE – BUILDING 2 FUEL OIL TANK

RECOMMENDATION:

PRS 330 is the site of a former underground storage tank located in the western sector of the original Mound plant. In 1994, qualitative hydrocarbon detections were found during the PETREX soil gas portion of the ***OU5, Non Area of Concern*** investigation. No radioactive or hazardous waste generating processes or activities are known to have occurred at PRS 330.

In 1996, the Soil Gas Confirmation Sampling effort sampled the locations with the highest ion counts (confirmation sample locations 7, 11, and 18) in the western sector and discovered no contamination above the 10^{-6} risk range. PRS 330 was not sampled as part of the Soil Gas Confirmation Sampling but the PRS had lower ion counts than confirmation sample locations 7, 11, and 18. This implies that PRS 330 has similar or lower health risk than confirmation sample locations 7, 11, and 18.

All radiological samples collected near this PRS indicate that radionuclides are below their applicable 10^{-6} Risk Based Guideline Values, ALARA or regulatory levels. Therefore, NO FURTHER ASSESSMENT is recommended for PRS 330.

CONCURRENCE:

DOE/MB: Arthur Kleinrath — 2/19/97
Arthur W. Kleinrath, Remedial Project Manager (date)

USEPA: Timothy J. Fischer — 2/19/97
Timothy J. Fischer, Remedial Project Manager (date)

OEPA: Brian K. Nickel — 2/19/97
Brian K. Nickel, Project Manager (date)

SUMMARY OF COMMENTS AND RESPONSES:

Comment period from 4/3/97 to 5/8/97

☒ No comments were received during the comment period.

☐ Comment responses can be found on page _____ of this package.

N508

MOUND PLANT
PRS 331
BUILDING 2 SEPTIC TANK

RECOMMENDATION:

This location was identified as a Potential Release Site (PRS) because the tank had been used to receive the discharge of sanitary waste water from Building 2.

No radionuclide nor hazardous waste generating processes were known to have occurred in Building 2. The OU5 Non-AOC Field survey did not detect any contamination above screening levels. Soil plutonium concentrations were below the Mound ALARA guideline of 25 pCi/g, and thorium was below the accepted regulatory standard of 5 pCi/g (surface) and 15 pCi/g (subsurface).

Therefore, PRS 331 requires NO FURTHER ASSESSMENT.

CONCURRENCE:

DOE/MB: Arthur W. Kleinrath, Remedial Project Manager 10/3/96 (date)

USEPA: Timothy J. Fischer, Remedial Project Manager 10/3/96 (date)

OEPA: Brian K. Nickel, Project Manager 10/3/96 (date)

SUMMARY OF COMMENTS AND RESPONSES:

Comment period from 10/15/96 to 11/15/96

☒ No comments were received during the comment period.

☐ Comment responses can be found on page _____ of this package.

N6 8

MOUND PLANT
PRS 363
Soil Contamination

RECOMMENDATION:

PRS 363 was an isolated Pu-238 hot spot identified during the site survey for the OU5, Non-AOC investigation (June 1994 - October 1994). No radioactive or hazardous waste generating processes are known to have occurred at the location of PRS 363. However, there is a 12-inch concrete storm sewer pipe near PRS 363, which transported a low-risk wastewater from SM Building to the site drainage ditch.

The Core Team originally recommended Further Assessment for PRS 363. Subsequently, the cost of further investigation versus the cost of removing the potentially contaminated soils was evaluated. Cost estimates indicate that the cost of removal is not significantly greater than the cost of further assessment at PRS 363. Additionally Further Assessment findings may indicate the need for a Response (removal) Action, resulting in costs associated with both Further Assessment and Response Action. Therefore, the Core Team recommends a RESPONSE ACTION as a more cost-effective course of action for PRS 363.

CONCURRENCE:

DOE/MEMP: Arthur W. Kleinrath, Remedial Project Manager — 12/17/97 (date)

USEPA: Timothy J. Fischer, Remedial Project Manager — 12/17/97 (date)

OEPA: Brian K. Nickel, Project Manager — 12/18/97 (date)

SUMMARY OF COMMENTS AND RESPONSES:

Comment period from 2/12/98 to 3/16/98

☒ No comments were received during the comment period.

☐ Comment responses can be found on page _____ of this package.

MOUND PLANT
PRS 364
SOIL CONTAMINATION -

RECOMMENDATION:

Potential Release Site (PRS) 364 was identified due to elevated qualitative PETREX hydrocarbon levels. During the 1996 Soil Gas Confirmation Investigation all concentrations of volatile, semivolatile, PCBs, pesticides, metals, radionuclides, and explosives, in the soils related to this PRS, were below their applicable 10^{-6} Risk Based Guideline Criteria, ALARA, regulatory, or background levels. Therefore, NO FURTHER ASSESSMENT is recommended.

CONCURRENCE:

DOE/MB: Arthur W Kleinrath 11/20/96
Arthur W. Kleinrath, Remedial Project Manager (date)

USEPA: Timothy J. Fischer 11/20/96
Timothy J. Fischer, Remedial Project Manager (date)

OEPA: Brian K. Nickel 11/20/96
Brian K. Nickel, Project Manager (date)

SUMMARY OF COMMENTS AND RESPONSES:

Comment period from 12/19/96 to 1/23/97

☒ No comments were received during the comment period.

☐ Comment responses can be found on page _____ of this package.

Appendix O

Work Plan

WORK PACKAGE / PRELIMINARY HAZARD ANALYSIS

X Office Master Copy ☐ ~ Field Working Copy ☐ ~ Review Copy ☐ ~ Other Copy

(Original Approval Signatures) (Original Field Sign -Offs) [Note: Mark this section in color]

The Project Engineer is responsible for completing Sections 1 through 10. On subcontractor projects, the subcontractor shall complete sections 6, 9, and 10.

1. WORK PACKAGE TITLE: Building 49 Demolition

2. WORK PACKAGE NUMBER. *SMPP/TFV- 34119-00* | **REQUESTOR: L. Koehmstedt X3659**

1. WORK PACKAGE SCOPE:

The purpose of this effort is to demolish Building 49, see Figure 1.0. Using heavy equipment to upgrade access to the demolition area across Overflow Creek, demolish the facility down to the slab (slab and foundation of building 49 to be remediated by EM, as part of PRS 87), including superstructures, pipe stanchions, solvent storage structure and the buildings slab, foundations and stanchion piers, grout floor drains, remove and dispose of the debris, provide site restoration grading, and provide erosion/restoration protection with seeding and mulch. Asbestos abatement and safe shutdown activities will have already been completed prior to demolition.

Note : The banks of Overflow creek are an URMA.

4. WORK PACKAGE PHASES:

1. **Upgrade access across Overflow creek for access to work zone.**
2. **Demolish structure and out structures.**
3. **Locate and note final condition of capped and plugged piping.**
4. **Restore area for erosion protection and drainage.**

Insert the proper sequence of Work Package phases for the job. A phase is a separately definable portion of the project.

5. WORK LOCATION:

Building #: **49**

Room #: **N/A**

Other: **Spoils Area**

6. SPECIAL MATERIALS AND EQUIPMENT:

1. **Tracked excavator with shear, grapple, hoe ram, concrete cracker/pulverizer, or bucket attachment.**
2. **Rubber tired and tracked front-end loaders.**
3. **Transport equipment for debris removal as required.**

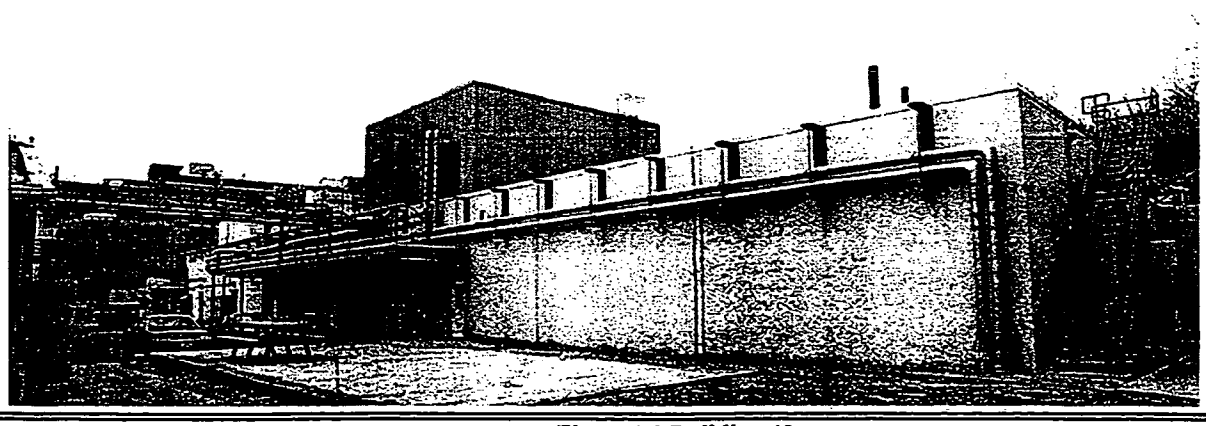

Figure 1.0 Building 49

7. DETAILED WORK STEPS: See the attached Job Specific Work Plan (JSWP)

Insert the activities to be performed during the job. Describe the specific methods of accomplishing these activities. Activities listed must be grouped under the Work Package phases listed in item 4.

8. *Note: Comments, to identify activities/hazards that are common to multiple phases of the project. Identification of these items will facilitate the option of addressing the items once in the pre-job briefing, as opposed to redundantly listing them in the JSHAs for different phases.*

COMMENTS:

Enter any review comment or issues in this section and/or information generated as a result of completing detailed work steps.

9. REVIEW SIGNATURES:

Written by: _____ Date: 2/5/03 Phone: 3659

Job Foreman: _____ Date: 2/10/03 Phone: 5663

Superintendent/Constr. Mgr: _____ Date: 2/6/03 Phone: 3866

Project Eng. Mgr: _____ Date: 2/5/03 Phone: 4924

Industrial Safety & Hygiene: _____ Date: 2/5/03 Phone: 4096 3737

Rad. Controls: _____ Date: 02/05/03 Phone: 4235

ES&C: _____ Date: 02/10/03 Phone: 4080

Waste Mgmt: _____ Date: 2/5/03 Phone: x 3822

Bldg. Mgr: _____ Date: 2/10/03 Phone: 3241

Craft Review: _____ Trade HD Date: 2/10/03 Phone:

Craft Review: _____ Trade HD Date: 2/10/03 Phone:

Craft Review: _____ Trade HD Date: 2/10/03 Phone:

Craft Review: _____ Trade _____ Date: / / Phone:

10. USQ SCREEN / DETERMINATION REQUIRED? ☐ YES ☒ NO

Brief Explaination Work scope has no effect on a Nuclear Bldg.

USQ Trained Person: _____ Date: 02/10/03 Phone: 3241

10. AUTHORIZATION SIGNATURE:

Project Manager: _____ Date: 2/10/03 Phone: 4169

11. WORK PACKAGE CLOSURE:

Job Supervisor: _____ Date: / / Phone:

Project Manager: _____ Date: / / Phone:

RETURN PHA TO IS&H AT JOB COMPLETION.

PRELIMINARY HAZARD ANALYSIS (PHA)
FOR WORK PACKAGE ACTIVITIES

SECTION A, INDUSTRIAL SAFETY - TO BE COMPLETED BY THE INDUSTRIAL SAFETY AND HEALTH REPRESENTATIVE
Identify engineering/administrative controls or PPE as required, keyed to the following checklist items. Insert any required and/or other special actions to be taken because of the particular hazard (i.e. lead compliance plans, confined space plans, hearing conservation programs, etc.), Including any notations for future Hazard Analyses. Additionally, identify any activities which DOE prescribed Occupational Safety and Health standards, that require protective measures be designed, inspected, or approved by a professional engineer or other competent person. (Use Section D if additional space is needed.)

Item	Exist	Work Package Phase	Comments, Controls, Methods of Compliance
Blockage of exits or means of egress	NO	N/A	[EGRESS]
Blockages/obstructions (Identify)	NO	N/A	
Burning, welding, hot-work (Fire Watch)	YES	Demolition	[BURN] Possible use of cutting torch during demolition. Administrative Controls. Permit required. Keep fire extinguisher near by during cutting.
Chemical compatibility of corrosives/flammables	NO	N/A	
Chemical process safety	NO	N/A	
Compressed gas cylinders	NO	N/A	
Confined space entry	NO	N/A	[CONFINE]
Crane operations, overhead or mobile	NO	N/A	
Critical lifts (heavy or high value loads)	NO	N/A	[CLIFT]
Electrical hazards	NO	N/A	[LIVEL] Electrical Isolation of facility was accomplished during safe shutdown activities.
Elevated work/fall protection	NO	N/A	[ELEV]
Emergency eyewash/shower available	NO	N/A	[EWASH]
Emergency alarms or evacuation plans required	YES	All	[EMERG] Plant Public Address system will be used to announce any plant emergency over the plant radio channel, cell phones will be used also, no specific added hazards exist in the demolition of this building.
Explosive/flammable atmosphere	NO	N/A	
Explosives	YES	Demolition	Site contractor review of explosive hazards.
Fire protection system/equipment outage	YES	Structural Demolition	[FIRE/EFIRE] Fire Alarm System isolation prior to start of structural demolition.
Fire Hazards Analysis Required of Demolition	YES	Structural Demolition	[FHA/ADJA]
Flammable liquids/gases	YES	Structural Demolition	[FLAM] Possible use of cutting torch during demolition. Administrative Controls. Permit required. Keep fire extinguisher nearby during cutting.
Forklifts, aerial lifts or material handling equipment	NO	N/A	
Grounding of electrical equipment	YES	Structural Demolition	Temp. power to portable equipment. All hand held electrical tools must be equipped with GFCI.
Hazards due to condition of facility or terrain (Identify)	NO	N/A	
Hoisting and rigging	NO	N/A	[HOIST]
Lighting/illumination/adequacy	NO	N/A	[MLITE]
Excavation and Soil disturbance	Yes	Solvent shed slab and stanchion pier demolition	Excavation permit.

SECTION A, INDUSTRIAL SAFETY - TO BE COMPLETED BY THE SAFETY AND HEALTH REPRESENTATIVE

Identify engineering/administrative controls or PPE as required, keyed to the following checklist items. Insert any required and/or other special actions to be taken because of the particular hazard (i.e. lead compliance plans, confined space plans, hearing conservation programs, etc.), Including any notations for future Job Safety and Health Analysis(JSHA). Additionally, identify any activities which DOE prescribed Occupational Safety and Health standards that require protective measures be designed, inspected, or approved by a professional engineer or other competent person. (Use Section D if additional space is needed.)

Item	Exist	Work Package Phase	Comments, Controls, Methods of Compliance
Lockout/tagout of hazardous sources:	NO	N/A	[LOTO/ISO] Electrical/Mechanical Isolation of facility was accomplished during safe shutdown activities.
• Electrical	NO	N/A	See Above
• Mechanical (steam, hydraulic, pneumatic)	NO	N/A	See Above
• Interlocks	NO	N/A	[ILOCK]
• Chemical	NO	N/A	
• Radiological	NO	N/A	
Machine guards	NO	N/A	
Modification to Fire Wall/Door	NO	N/A	[FIREWAL]
Obstruction of fire protection equipment (pull boxes, hydrants, fire department connections, control panels, fire extinguishers, etc.)	NO	N/A	
Off-shift work	NO	N/A	
Outages of the plant public announcement (PA) system or the emergency notification system	YES	Demolition	[OUTAGE] The plant radio system transmits public announcements, which will be used to monitor for emergencies.
Overhead or underground utilities (Identify)	NO	N/A	[UITL] Electrical/Mechanical Isolation of facility was accomplished during safe shutdown activities.
Penetrations into walls, floors, etc.	NO	N/A	[PENETR]
Plastic sheeting or wood framing/enclosures	NO	N/A	
Powder-actuated tools	NO	N/A	
Plant utilities (Identify)	NO	N/A	[WATER] Electrical/Mechanical Isolation of facility was accomplished during safe shutdown activities.
Repetitive work	NO	N/A	[ERGO]
Structural Modification	YES	Demolition	[STRUCT] Building is being demolished.
Special Fire Protection Equipment Required	NO	N/A	[FIREQU]
Trenching/Shoring	NO	N/A	[DIG]
Temporary heating facilities	NO	N/A	
Temporary/portable buildings or structures	NO	N/A	[FACIL]
Temporary service hook-ups (Identify)	YES	Structural Demolition	Temp. electrical and water service (for dust control).
Traffic control/flagman	NO	N/A	[TRAFIC]
Work in attics, ceilings, chases, or crawlspaces	NO	N/A	
Work impacting adjacent normally occupied areas	NO	N/A	[ADJAC/BMAPP/SIGNS/NOTIF]
Work Requiring Scaffolding, construction and inspection	NO	N/A	[SCAFF]
Other (Specify)	N/A	N/A	

SECTION B, INDUSTRIAL HYGIENE - TO BE COMPLETED BY INDUSTRIAL HYGIENE REPRESENTATIVE

Identify engineering/administrative controls or PPE as required, keyed to the following checklist items. Insert any required and/or other special actions to be taken because of the particular hazard (i.e. lead compliance plans, confined space plans, hearing conservation programs, etc.). Including any notations for future Job Safety and Health Analysis (JSHA). Additionally, identify any activities which DOE prescribed Occupational Safety and Health standards that require protective measures be designed, inspected, or approved by a professional engineer or other competent person. (Use Section D if additional space is needed.)

Item	Exist	Work Package Phase	Comments, Controls, Methods of Compliance
Abrasive blast (☐ MSDS available)*	NO	N/A	
Asbestos	YES	N/A	[ASBEST] Asphalt roof and floor title may contain asbestos Don't conduct activities which disturb materials and involve close worker contact. Asbestos Abatement of regulated materials completed prior to demolition.
Beryllium	NO	N/A	
Blood-borne pathogens*	NO	N/A	
Cadmium	NO	N/A	
Carcinogens (☐ MSDS available)*	NO	N/A	[CARC]
Chemicals/solvents (☐ MSDS available)*	NO	N/A	[CHEM/MSDS]
Chlorofluorcarbon (CFC)	NO	N/A	[CFC]
Coal, tar or asphalt products	YES	Structural demolition	Roofing material contains tar and asphalt products; to be disposed of as construction debris.
Coating/painting (☐ MSDS available)*	NO	N/A	
Corrosives/acids/caustics (☐ MSDS available)*	NO	N/A	
Dusty operations	YES	demolition	[POWDER] Potential dust generation controlled via water misting.
Hazardous Waste Operations (HAZWOPER)*	NO	N/A	
High Pressure systems	NO	N/A	[HIPRES]
Insulation/man-made mineral fibers (☐ MSDS available)*	NO	N/A	
Lasers	NO	N/A	
Lead	YES	N/A	Paint may contain lead, do not torch cut painted surfaces.
Foam in Place Operations	NO	N/A	
Mercury	NO	demolition	
Noise in excess of 85 dBA	YES	demolition	[NOISE] Hearing protection will be used.
Polychlorinated biphenyls (PCBs)	NO	N/A	
Removal of ceiling tiles*	NO	N/A	
Spraying/generation of mists*	YES	demolition	Demolition dust control via water mist.
Temperature extremes (heat or cold stress)	Yes	ALL	[CRYRO/COLD/HEAT] Provide heating or cooling for personnel.
Ventilation or Air Monitoring requirements	Yes	demolition	[VENTIL/IH] Air monitoring for potential silica during demolition activities will be performed, if IH deems necessary.
Welding, brazing, or thermal cutting operations	Yes	demolition	[BURN] Cutting of rebar and etc. will require a permit.
Other (specify)	N/A	N/A	

*NOTE: Requires a description of the materials involved which present a hazard. Identify the physical location of the MSDS.

SECTION C, RADIOLOGICAL PROTECTION - TO BE COMPLETED BY RADIOLOGICAL CONTROLS REPRESENTATIVE

Identify engineering/administrative controls or PPE as required, keyed to the following checklist items. Insert any required and/or other special actions to be taken because of the particular hazard (i.e. RWP, ALARA Plan, etc.). Additionally, identify any activities which DOE prescribed Occupational Safety and Health standards that require protective measures be designed, inspected, or approved by a professional engineer or other competent person. (Use Section D if additional space is needed.)

Item		Exist	Work Package Phase	Comments, Controls, Methods of Compliance
Location:	Controlled Area	NO	N/A	
	Contamination Area	NO	N/A	[STP]
	High Contamination Area	NO	N/A	[STP]
	Radioactive Materials Storage Area	NO	N/A	
	Airborne Radioactivity Area (STP or OBT)	NO	N/A	
	Radiation Area	NO	N/A	
	High Radiation Area	NO	N/A	
	Very High Radiation Area	NO	N/A	
	Other (Specify)	NO	N/A	
Activities:	Criticality Safety Concerns	NO	N/A	
	Digging/Soil Removal	NO	N/A	[DIG]
	Surface destruction of radioactively contaminated materials or equipment?	NO	N/A	[SURFAC]
	Welding, burning, or grinding?	NO	N/A	[SURFAC]
	Hammering, chipping or scraping?	NO	N/A	[SURFAC]
	Abrasive blasting?	NO	N/A	[SURFAC]
	Dust-collecting equipment or systems?	NO	N/A	
	Decontamination and clean-up?	NO	N/A	
	Rad Waste Storage and Disposal Required	NO	N/A	[RWSTOR/WASTE/CHAR]
	Other (Specify)	N/A		
Sources:	X-Ray machine/generator	NO	N/A	[XRAY]
	Sealed radioactive sources	NO	N/A	
	Unsealed radioactive sources	NO	N/A	
Controls:	Radiological Work Permit	NO	N/A	[RWP/RWP=JS/RWP=N/R/RPGEN]
	ALARA Plan	NO	N/A	[ALARA]
	Air Flow Studies	NO	N/A	[AIRFLOW/CAM]
	Urinalysis program	NO	N/A	
	Preliminary or in-process characterization	NO	N/A	[SURVPS/SURVIP]
	Anti-contamination clothing	NO	N/A	
	Respiratory protection	NO	N/A	[RESP]
	Needs Analysis Evaluation	NO	N/A	
	Hazards Analysis	NO	N/A	
	Engineering Controls	YES	ALL	Dust control via misting.
	Administrative Controls	YES	N/A	Barricades of construction zone
	Supplemental dosimetry	NO	N/A	
	Shielding	NO	N/A	
	Personnel monitoring (frisking)	NO	N/A	

SECTION D - OTHER CONDITIONS. CONCERNS. OR SUPPLEMENTAL INFORMATION FROM SECTIONS A THROUGH C
Identify Assembly Points: Assembly area is north of building 49. ***Be aware of threatening weather and take shelter when life-threatening storms are imminent.*** Take shelter area is in building 63, -See Appendix E

Work Package Revision Form

Work Package Revision Form			
Work Package No.SMPP/TFV-34119-00		Revision No.	
Revision Description: (attach page revisions to form)			
	Name	Signature	Date
PREPARED BY:			
Revision Preparer:			
REVIEWED BY:			
Project Engr. Manager:			
Project Foreman:			
Project Superintendent/ Constr. Mgr.:			
Industrial Safety & Hygiene P o C:			
Radiological Point of Contact:			
Environmental Safeguards & Compliance P o C:			
Waste Management PoC:			
Building Manager:			
Other:			
Other:			
USQ Trained Person			
USQ SCREEN / DETERMINATION REQUIRED? ❑YES ❑NO Brief Explaination_____			
APPROVED BY:			
Project Manager:			

Work Package Revision History Form

WORK PACKAGE REVISION HISTORY FORM			
REV. NO.	REASON	SIGNATURE	DATE

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Job Specific Work Plan
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Job Specific Work Plan

1. WORK SCOPE

1.1. Introduction

This Job Specific Work Package (JSWP) follows the outline of PP-1059A, Integrated Work Control Program at the Mound Site, Miamisburg, Ohio. Included are a Preliminary Hazard Analysis (PHA) and a Job Safety & Hazard Analysis (JSHA). A Pre-Job Briefing Form (ML-9657) and the Project Manager's Authorization to Commence Work signature will be completed to document that the workers were briefed on the activities covered in this JSWP before work begins.

1.2. Work Package Scope

The purpose of this effort is to demolish the superstructure of Building 49 down to but not including the slab, solvent storage structure including slab and pipe stanchions from building 49. To accomplish this will need to upgrade access across Overflow creek, remove the debris, and to provide site restoration, grading to prevent erosion. This will be accomplished by confirming that all utilities have been isolated during safe shutdown and utilities disconnect activities, establishing a safe work zone, and the demolition of the building using heavy-duty equipment, and removing of debris as directed by Waste Management.

1.3. Site Information

Building 49 was constructed in 1970, and is located in the area designated as the "Test Fire Area", in the plant valley area. Building 49 contains 14,929 square feet. The 1970 era building carried the designation "Timer Fabrication Facility." The building's one addition, the "Trident II Building 49 Renovation" was constructed in 1988. This addition, based upon available information, was utilitarian in nature, intended to supplement, or to enhance Building 49 and Mound's capabilities as related to the non-nuclear detonator and explosives mission element of the facilities mission. Building 49 stands today as a one-story building with two roof-mounted penthouse rooms.

According to a 1996 appraisal of Mound plant site buildings, Building 49 was a production laboratory and staging facility, and those activities remained the same from the time of construction until the building was turned over to EG&G Star City (now Perkin Elmer). Building 49 was leased to private industry in the mid-1990s, and continued to operate under that agreement until August 2002.

1.4. Current Uses of Building 49

Building 49 is currently vacant and under going safe shutdown in preparation for demolition.

1.5. Past Uses of Building 49

Building 49 was built to serve as an energetic materials production laboratory and staging facility. According to Brady Barnhart (the Mound employee who supervised the 1995 Safe Shutdown and worked with the materials at the site), components that contained energetic materials were assembled in Building 49 and may have included PETN, TATB, HMX, RDX, and HNS (see table 1). Jerry Allison (previous manager of fabrication and testing of energetic components in the test fire valley) reported that the components contained compressed pellets and mild detonating fuses, but no loose powders were handled within or outside of the building (other than small amounts that may have been the result of broken pellets).

In 1995, the building underwent initial Safe Shutdown activities prior to being leased for commercial purposes. Building 49 was leased to MMCIC who subsequently leased it to Perkin-Elmer from 1995 through September 2002. Perkin-Elmer used the building for fabrication of energetic-containing components; similar to the operations performed when DOE used the facility.

1.6. Summary of Environmental Concerns and Findings – Building 49

Table 1: Summary of Environmental Concerns and Findings

Description	Comment	Resolution
Lead-Based Paint	None of the six readings collected from damaged and/or deteriorated paint coatings noted on surfaces within Building 49 were found to contain lead above the HUD/ODH level	If lead-based paint were present, it would not impact the demolition or disposal of the facility. Close worker disturbance of paint coatings (sanding, grinding, scraping, torching) will be avoided during demolition. If close disturbance is necessary, point of contact will be tested for lead and appropriate controls and personal protective equipment (PPE) used for disturbance as required.
Chemicals	A list of chemicals recently in the building is provided in the Building Data Package - Appendix K.	All chemicals have been removed from the building prior to de-leasing.
Fluorescent Lamps and Polychlorinated Biphenyls (PCBs)	PCB-containing ballasts were present in the building.	PCB-containing ballasts have been removed from Building 49. No further action required.
Air Emissions	N/A	N/A
Asbestos	A survey of Building 49 was conducted to identify asbestos-containing material.	Asbestos-containing material will be removed from the building and disposed of prior to building demolition. No further action required.
Drainage Sumps	N/A	N/A
Lead	N/A	N/A

Table 1: Summary of Environmental Concerns and Findings

Description	Comment	Resolution
Mercury	N/A	N/a
Radiological	Within acceptable limits.	N/A
Soil Contamination	PRS 87 is beneath Building 49, and has been binned as a Removal Action due to elevated levels of vinyl chloride and TCE.	The Building 49 superstructure, and the shed and its slab and foundation, and the aboveground lines and stanchions will be demolished and debris removed. However, the Building 49 slab and foundation will be left in place, and removed by the Environmental Restoration (ER) group as part of the PRS 87 Removal Action.
Septic System	N/A	N/A
Wastewater	Handled by site wastewater facility.	N/A
Stains & Corrosion/HVAC	N/A	N/A
Storage Tanks	N/A	N/A
Solid Waste Disposal	N/A	N/A
Migratory Hazards	N/A	N/A
Radon	Within acceptable limits.	N/A
Energetic Material/HVAC	The exhaust ductwork and structural cracks may contain trace amounts of loose energetic materials. Energetics present in the building may have included PETN, TATB, HMX, RDX, and HNS*.	Heavy-duty equipment will be used for demolition and debris handling. If close disturbance is necessary, demolition debris will be wet down.

N/A: not applicable

* PETN pentaerythritol; TATB triamino-trinitrobenzene; HMX cyclotetramethylenetetranitramine RDX cyclotrimethylenetrinitramine; HNS hexanitrostibene

2. DRAWINGS AND REFERENCES

PP-1059A, Issue 8, "Integrated Work Control Program"
MD-50000, Issue 11, "Maintenance Work Order and Material Processing"

3. INITIAL CONDITIONS AND PREREQUISITES

3.1 Lessons Learned

A search of the Lessons Learned Database found the following relevant item:

- 480-Volt Underground Electrical Conduit Broken During Hand Excavation

See Appendix F for the full report. The result of the Lessons Learned is the trace of an underground conduit should be accurately defined by electronic or other means prior to any excavation activities in the vicinity of the buried conduit. Hand drawn location maps may not be accurate enough to preclude the breach of the conduit.

3.2 Industrial Safety and Health Requirements

3.2.1 A Job Specific Hazards Analysis (JSHA) is required. The construction zone, as defined in Appendix E, identifies construction boundaries, evacuation routes, the take shelter area, and the assembly area. Debris will be cleared from the immediate construction zone as required to promote safe equipment activity.

3.2.2 Monitoring for fugitive dust will be performed periodically as determined by previous monitoring results and site Safety and Health. Site Safety and Health will be notified before the demolition of concrete begins.

3.2.3 Whole body vibration will be administratively controlled and by reviewing topic at pre-job meeting.

3.2.4 A Hot Work Permit will be required if a torch is used for cutting. Coordinate with site Safety and Health.

3.2.5 Monitoring of noise levels will be performed as determined by previous monitoring results and site Safety and Health. Earplugs (or other hearing protection) will be worn, as appropriate.

4. RADIATION PROTECTION REQUIREMENTS

A radiological assessment of Building 49 was performed by reviewing the historic operational and radiological survey information. Building 49, named the Timer Fabrication Facility, is located in the Test Fire Area, in the plant valley. Building 49 has not been used for any purpose other than as energetic materials processing facility. No radiological process systems were ever a part of the facility. However, radioactive materials in the form of calibration standards (sources) were used in the Electronic Room (Room 124). Surveys were performed throughout the building in accordance with the Multi-Agency Radiation Survey and Site Investigation Manual (MARSSIM).

Several areas of elevated activity were identified on the roof and exterior walls. These areas were determined to be short-lived activity (Radon daughter products) and naturally occurring polonium-210. The review team has concluded that the building meets radiological surface release criteria established by DOE Order 5400.5 (See Table 2), and no further radiological surveys are required.

Table 2: Radiological Summary

TYPE	RSDS (Radiological Survey Data Sheet)	LOCATION	SURVEY RESULTS (dpm/100 cm^2) (Note 1)	SURFACE CONTAMINATION GUIDELINES (dpm/100 cm^2) (Note 2)
Highest Alpha Smearable Activity	02-TF-1657	Interior Floor	3.8	20
Highest Alpha Fixed Activity	03-TF-0002	Roof	92	100
Highest Beta Smearable Activity	03-TF-0002	Roof	6.2	1,000
Highest Beta Fixed Activity	03-TF-0002	Exterior Wall	856	5,000
Highest Tritium Smearable Activity	02-TF-1658	Interior Wall	24.53	10,000

Note 1: Residual radiological activity may be present and not be a concern (within applicable limits). This may result from or be a function of counting statistics, instrument variances, the randomness of decay, radon presence, and/or natural fluctuations in background levels.

Note 2: Guideline values per DOE Order 5400.5, Radiation Protection of the Public and the Environment.

5. ENVIRONMENTAL PROTECTION REQUIREMENTS

5.1 CERCLA

5.1.1 General/Historical CERCLA Information

Building will be demolished as a non-CERCLA demolition. The Soils Project will remove the structure's slab, foundation, support piers and associated soils. The soils phase may require a removal action.

5.1.2 Specific Record Sources for Building 49

5.1.2.1 Occurrence Reports

A search of the occurrence reporting system revealed three reports, all of which were minor and without environmental impact.

- (2) Smoke detector false alarm, dust
- Alarm caused by water leak, false alarm

5.1.2.2.Spills and Releases

- None

5.1.2.3.Associated PRS Overview

As a result of the investigations and documentation accomplished to comply with the CERCLA cleanup process via the Federal Facilities Agreement (FFA)/DOE Environmental Restoration (ER) Program, DOE and BWXTO have tabulated all the

PRSs identified under the various regulatory programs in effect at the site. Of these 440 PRSs, ten are near Building 49 (see Table 4, and Figure 2). Additional information is included in Appendix N.

Table 4: PRSs in Proximity to Building 49

PRS #	CERCLA or BLDG. RELATED	BINNING STATUS	COMMENTS
PRS 67	CERCLA	FA	Plant drainage ditch
PRS 72	CERCLA	NFA	Area 13, polonium-contaminated wood from Dayton Unit IV
PRS 83	Building Related	NFA	Building 2 propane tank (Tank 122)
PRS 87	CERCLA	RA	Location of former solvent sheds (underneath Building 49 addition)
PRS 89	Building Related	NFA	Test Fire residual storage area
PRS 319	CERCLA	NFA	Building 49 former epoxy resin waste containers
PRS 330	Building Related	NFA	Building 2 fuel oil tank
PRS 331	CERCLA	NFA	Building 2 septic tank
PRS 363	CERCLA	RA	Elevated soil gas location
PRS 364	CERCLA	NFA	Elevated soil gas location

FA – Further assessment
NFA – No Further Assessment
RA – Removal Action

The Building 49 slab and foundation will be left in place and removed by the ER group as part of the PRS 87 Removal Action. PRSs 67 and 363 are unrelated to Building 49 and will be handled separately from this building demolition

5.1.3. Sampling Data-

5.1.3.1. Radiological Surveys

Radiological survey data indicated no elevated readings in the building. Areas of elevated activity were identified on the roof and exterior walls; these areas were determined to be short-lived activity (Radon daughter products) and naturally occurring polonium-210.

5.1.4.2. Soil Sampling Data

Maximum exceedances to screening levels (Core Team approved or the more stringent of either 10^{-6} guideline values plus background or Hazard Index = 1) are listed in Table 4. Common anions (such as nitrate, nitrite, sulfate, sulfide, phosphate, fluoride, iodide, nitrogen, and bromide) and essential human nutrients (such as potassium, iron, sodium, calcium, and manganese) are not considered in MCP risk assessments and therefore not evaluated further herein. All other results are below applicable levels.

Table 4: Maximum Results Exceeding Screening Levels

Analyte	Maximum Result	Background	RBGV (10^{-6})	Screening Level Comparison
Actinium-227 (pCi/g)	**0.858**	**0.11**	**0.45**	**0.56**
Benzo(g,h,i)perylene (ug/kg)	**13**	**NC**	**NC**	**NA**
Magnesium (mg/kg)	**79,100**	**40,000**	**NC**	**40,000**
Phenanthrene (mg/kg)	**35,000**	**NC**	**NC**	**NA**
Trichloroethylene (TCE) (mg/kg)	**43**	**ND**	**5.09**	**5.09**
Vinyl chloride (ug/kg)	**140**	**NC**	**0.41**	**0.41**

RBGV: most stringent of construction and office worker scenarios per Risk-Based Guideline Values, March 1997, Final, as performed using April 2001 HEAST slope factors.
NC: not calculated
NA: Not available

Additional soil sampling was performed as part of the PRS 87 Further Assessment (FA). That investigation has shown that the soil beneath Building 49 is contaminated with vinyl chloride and TCE at levels that require remediation; accordingly, the Core Team binned PRS 87 as a Removal Action (RA). The Building 49 slab and foundation will be left in place and removed by the ER group as part of the PRS 87 Removal Action.

5.2 National Emissions Standards for Hazardous Air Pollutants (NESHAPs)

Per Environmental Practice 2.2, if buildings to be demolished have a surface area less than 72 million square feet, direct readings below MDA, and wipe results below applicable action levels, additional dose calculations are not necessary. Since Building 49's surface area is significantly less then 72 million square feet, additional calculations are not necessary.

5.3 Notification

A Notification of Demolition and Renovation form must be filed with the Regional Air Pollution Control Agency (RAPCA) at least 10 business days before planned building demolition.

HOLD POINT:

_____ _____
Environmental Compliance –Ron Paulick Date

5.4 Restriction of emission of fugitive dust (OAC 3745-17-08)

Reasonably available control measures must be employed to prevent fugitive dust from becoming airborne. Visual particulate emissions from any fugitive dust source shall not exceed 20% opacity as a three-minute average. Appropriate activities would include:

5.4.1 Water misting, or other suitable dust suppression, will be used to minimize fugitive dust resulting from demolition activities.

5.4.2 Periodic application of water, or other suitable dust suppression, to adjacent roadways and parking lots will be used to prevent dust from becoming airborne.

5.5 Clean Water Act & Storm Water Pollution Prevention

5.5.1 All inlets to the sanitary and storm systems will be plugged to prevent accidental discharges to the wastewater treatment plant or the environment.

5.5.2 The site's National Pollutant Discharge Elimination System (NPDES) Permit No. 1IO00005*HD requires the use of control measures to ensure the quality of storm water leaving the site. These control measures and practices are outlined in the site's Storm Water Pollution Prevention Plan OPA980099. Appropriate activities would include, redirect flow patterns around the project site to prevent storm water run-on. Provide inlet protection to the storm sewer system and drainage ditch by covering catch basins and/or installing silt fence immediately adjacent to the project site and plugging roof drains at ground level until which time the underground pipes can be appropriately abandoned. Exercise good housekeeping techniques by segregating materials in a timely manner, including the prompt disposal of wastes, and sweeping debris from the streets to prevent storm water pollution. Water that has collected in an open excavation or in sumps, must be monitored prior to discharging to the sanitary or storm sewer systems. Contact Environmental Monitoring at extension 3792 for monitoring and review of these non-routine discharges.

5.6 National Historic Preservation Act (NHPA)

Building 49 is not listed as a historic structure with the Ohio Historic Preservation Office (OHPO). No mitigative documentation package is required. However, if any items or artifacts are discovered as this project progresses, the Cultural Resource Representative will be notified at extension 3691. Work will be temporarily suspended until which time the items or artifacts have been recovered.

5.7 Safe Drinking Water Act

The potable water supply to Building 49 was turned off and capped to protect the integrity of the water supply to that portion of the plant site.

5.8 Emergency Spill Response

Building 49 has been disconnected from all utility services and the lines drained. There should be no regulated component that will be encountered. In the event of a major spill of any regulated substances, or the rupture of a non-isolated utility line (fire, domestic water, ethylene glycol) call 911 if using an onsite phone or 937-865-4040 if using a cell or other outside phone to report it, also see Emergency Preparedness section. All spills must be contained onsite and should be prevented from entering the storm drains if

possible. If spills enter the storm drains, all effluent must be retained onsite at the overflow pond.

6. CHEMICAL AND WASTE MANAGEMENT REQUIREMENTS

All waste will be managed in accordance with the Waste Management Plan for the Mound Exit Project, MD-10499. The Waste Coordinator will ensure that this is accomplished and summarize in a Job Specific Waste Management Plan (See appendix G).

Fluorescent tubes and non-PCB containing ballasts will be left in place, and will be demolished with the building. PCB containing ballasts had been in the building; they have been removed during Safe Shutdown activities.

7. EMERGENCY PREPAREDNESS

7.1 Site Notification Procedures

7.1.1 Use **911** for all emergency services onsite. This is the first response for any emergency, spill, or release. If using a cell phone, dial **865-4040**. This number will ring into the plant 911 system. If a hand held walkie-talkie radio is used contact Security for emergency services, Security monitors all radio transmissions. .

7.1.2 Any injury, no matter how minor, shall be reported immediately to the supervisor, project safety and to the Mound Medical Department for evaluation and treatment. The injured employee shall report any injury to the supervisor in charge or designee.

7.1.3 Employees will be notified of emergency or abnormal conditions by the plant paging system or project two-way radios. Additionally, unique sheltering and evacuation signals are available should site-wide protective actions be necessary.

7.2 Evacuation Route/Assembly Areas

Assemble area is north of building 49 on the north side of the work zone in the parking lot on the north side of Overflow creek. See map per Appendix E.

Take Shelter Area

CAUTION

Be aware of threatening weather and take shelter when life-threatening storms are imminent.

The take shelter area is in Building 63. See map per Appendix E.

8. PRE-DEMOLITION SEQUENCE OF WORK

8.1 Site Characterization

8.1.1 Chemical History

The building housed processes, which used energetic materials, trichloroethene, hexane, isopropyl alcohol, ethyl alcohol, Freon, alcohols, acetone, "EC-7"and epoxies in the production of the components. The lessee's processes most likely use similar chemicals.

Class 4 lasers of the Nd: YAG types were present and properly labeled as such. These lasers were not operational at the time of the inspection and verification of proper operational procedures was not made. Various containers of household-type paints and cleaners were observed; these were in their original, labeled containers and properly stored.

All chemicals have been removed from the building as part of the safe shutdown activities.

8.1.2 Lead-Based Paint

None of the six readings collected from damaged and/or deteriorated paint coatings noted on surfaces within Building 49 were found to contain lead above the HUD/ODH level. These interior readings were found to contain lead in concentrations ranging from 0.00 mg/cm^2 to 0.11 mg/cm^2 (with a range of precision between +/- 0.01 mg/cm^2 and 0.18 mg/cm^2).

If lead-based paint were present, it would not impact the demolition or disposal of the facility. Close worker disturbance of paint coatings (sanding, grinding, scraping, torching) will be avoided during demolition. If close disturbance is necessary, point of contact will be tested for lead and appropriate controls and personal protective equipment (PPE) used for disturbance as required.

8.1.3 Asbestos

Asbestos-containing material (ACM) will be removed from Building 49 in preparation for building demolition. Previous surveys as well as a walk-through assessment of readily accessible areas of Building 49 indicated the presence of asbestos-containing materials and materials suspect for containing asbestos.

Previous surveys found that asbestos pipe insulations existed in Rooms 101 - 104, 107, 110, 113, 119, 123 - 137, and the Penthouse. Asbestos tank insulation was identified in the Penthouse. Explosion-proof light fixture gaskets in Rooms 101 - 104, 107, 119, 124, 125, 127, and 134 were found to contain asbestos. Analysis indicated that plaster, drywall and ceiling tiles did not contain asbestos.

In addition to what was indicted in the previous surveys, the walk-through assessment identified built-up roofing and associated mastics, floor tiles, oven gaskets, fire safes, laboratory fume hood linings (transite type), and laboratory counter tops located throughout the facility which were assumed to contain asbestos. Except for minor damage to some of the pipe insulation in the Penthouse, all other observed suspect materials were seen to be intact.

8.1.4 Radon

The results of a 1989-90 Mound Indoor Radon study indicated an average radon concentration of 0.4 picoCuries/liter (pCi/L) in Building 49 (Appendix H). The USEPA recommended standard for a maximum radon level is 4.0 pCi/L.

8.2 Review of Building Prints

Building prints were reviewed and no significant items were identified. These structures have been examined by an Energetic Material Subject Manner Expert (SME) and have been determined to be safe for demolition. (See attachment in appendix G)

8.3 Physical Characterization

A structural engineering survey was performed and documented for Building 49 to meet the requirements of OSHA 29 CFR 1926.850(a). A walk down of the structure was used to identify potential hazards as listed in 29 CFR 1926.850(e) through (i). It has been determined the building does not meet the criteria that cause the structure to be historically significant.

8.3.1 Radiological Characterization

Radiological survey data indicated no elevated readings in the building. Areas of elevated activity were identified on the roof and exterior walls; these areas were determined to be short-lived activity (Radon daughter products) and naturally occurring polonium-210.

8.3.2 Chemical and Metals Characterization

Various chemicals and energetic materials have been used in Building 49's operations. Chemicals that have been or are used in the building include: acetonitrile, acetone, ethanol, toluene, methylene chloride, dimethylformamide, dimethylsulfoxide, isopropanol, sodium sulfate, dioxane, tetrahydrothiophene, and ethyl acetate. Energetics that have been or are used in the building include: PETN (pentaerythritol), TATB (triamino-trinitrobenzene), HNS (hexanitrostibene), or HMX (cyclotetramethylenetetranitramine). The remaining chemicals of concern will be cleaned up during safe shutdown activities.

8.3.3 Asbestos Characterization

An asbestos survey was completed. Asbestos was prevalent in Building 49. Asbestos-containing materials (ACM) of non-friable nature were used in floor tiles and mastic, roofing material, condensation tape, penetration packing. Friable ACM included pipe joint insulation, pipe wrap, light fixtures gaskets. An asbestos abatement program will be performed; no further action is required.

8.4 Site Preparation

8.4.1 Site Access Control

The demolition area will be identified utilizing the construction fencing around the building, or at the discretion of the project construction manager/foreman, marked off with barricade tape/fencing. Construct access to the demolition area across Overflow Creek, alternatives are being evaluated.

8.4.2 Clearing and Grubbing

The area around the building will be cleared if necessary.

8.4.3 Temporary Utilities

The only temporary utility that may be required is water. Coordinate with site Safety and Health. Water will be used to control dust emissions.

8.4.4 Temporary Facilities

This project will use the existing SMPP/TFV project new trailer complex to be located in the existing Mound "C" parking lot.

8.4.5 Temporary Communications

Temporary communications are required (cell phone, radios) due to the difficulty of hearing plant announcements and emergency notifications. At the job site, plant announcements and emergency notifications can be heard on the Plant radio channel.

8.4.6 Staging Areas

The project site is of sufficient size to also be used as a staging area.

8.5 Preliminary Activities

8.5.1 Domestic water, firewater, electrical, fire alarm system and communications lines have been disconnected under separate safe shutdown MSR 34121 and/or utility

disconnect package. An excavation/soil disturbance permit for slab and pier removal will be required prior to excavation activities.

8.5.2 Verify all mercury-containing switches have been removed. If found, dispose through Waste Management.

8.5.3 Confirm all Freon has been previously removed and recycled from HVAC units inside and outside of the building.

8.5.4 Fluorescent tubes, and ballasts will remain in place. If PCB-containing ballasts are encountered, remove and dispose through Waste Management. Note: Contact site Safety and Health with any concerns about fluorescent tubes, and ballast.

HAZARD	MITIGATION
Fall hazard	Follow requirements of MD-10286 M-14

9. BUILDING DEMOLITION SEQUENCE OF WORK

9.1. Establish Work Zone

During the safe shutdown activities establish work zone boundary using the existing fence and/or with barricade tape as directed by the Project Foreman. Proper signage will be placed at all access points to the site. This zone is not to be entered by anyone not directly involved with the demolition unless they have contacted the Project Manager/Foreman first. Do not begin any demolition activities until the following items are completed.

All new workers assigned to this project have received a pre-job briefing prior to performing work and a walk down of the project area. The following must be completed prior to starting work.

Review of the *Preliminary Hazard Analysis* for work package activities must be complete.

9.1.1. The *Pre-Job Briefing Record* must be completed and signed.

9.1.2. The *Job Specific Hazards Analysis (JSHA) must be reviewed.*

NOTE: All workers have Stop Work Authority. Situations where stop work authority is to be exercised are:

- **To stop unsafe work.**
- **To stop unauthorized work, for example, work outside the scope of this work package.**

9.1.3 Verify safe shutdown and utility shut down activities have isolated all the connections to Building 49, including the following systems: electric/communication/fire alarm systems, steam and glycol, sewage and potable water systems.

9.1.4. Upgrade access across Overflow creek.

9.1.5. Verify that all pre-demolition notifications have been made and permits are in place.

9.1.6. Closed floor drains and penetrations in floor slab with grout that are accessible prior to demolition and remainder after debris clean up.

9.1.7. Install sediment/storm water control fence around designated construction area as necessary.

9.1.8. Prepare water distribution system for the control of dust.

9.1.9. Final building/structure walk down to ensure all exit signs, fire extinguishers and noted removal items from safe shutdown and demolition have been completed.

9.1.10. Remove temporary lighting and perform final electrical isolation check.

9.2. Structural Demolition

9.2.1 Demolition of Solvent Shed and Stanchions

Using heavy equipment cut and size stanchions, piping and piers. Use heavy equipment to weaken the Solvent shed's structure to allow the walls and roof to collapse into floor slab for sizing and load out. Remove the sheds concrete slab and the stanchions concrete piers. **Exact sequence of demolition will be left up to the skill of the craft.**

9.2.2 Structure Demolition

Starting at the northeastern corner of the structure and working to the penthouse bays. Use heavy equipment to weaken structure to allow the masonry walls and roof to collapse into floor slab for demolition.

WARNING

The heavily loaded steel beams, which support the main penthouse, column line A-B and 3-4, must be isolated by demolishing the surrounding bays first. then clearing off the penthouse superstructure and equipment.

The 12-inch masonry block-bearing wall, on the western side of the building should remain intact until the beams are individually held with a grapple and sheared one at a time and lowered to the floor slab.

The penthouse's 6-inch concrete slab will need to be sectioned and observed to see how it responds during demolition as the penthouse's demolition progresses to ensure safe working conditions.

Demolish the structure's HVAC penthouse, block, concrete walls, steel, stanchions structure using heavy equipment. Use the existing floor slab for load out surface for loading debris and placing into appropriate hauling containers or trucks. **Note: The progression of the building demolition will ultimately be determined in the field. Exact sequence of demolition will be left up to the skill of the craft.**

HAZARD	MITIGATION
Contact overhead power lines with heavy-duty equipment.	If any part of heavy-duty equipment has the potential to come within 10' of overhead powers, perform LO/TO.
Struck by flying debris Struck by moving equipment	Establish construction boundary. Wear hardhat, safety glasses, safety shoes, and reflective vest inside construction area. Maintain the following distances from operating equipment: Shear – 75 feet Hoe Ram – 50 feet Other heavy duty equipment – 30 feet Bobcat – 15 feet
Noise Hazard	Wear hearing protection while running heavy-duty equipment. Follow the requirements of MD-10286 D9.
Burns from torch cutting	Obtain and follow Hot Work permit per MD-10286 O2
Heat/Cold Stress	Follow the requirements of MD-10286 D13/D16
Strike underground utilities	Obtain Excavation permit and follow its requirements per MD-10286 O5

9.2.3 Organize area for future soil remediation

The last step will be to restore the area by grading to drain and seeding. Remove any unnecessary remaining sediment/storm water control fences. Scan equipment for radiological contamination and decontaminate prior to leaving area. Remove dust control water distribution system, temporary power, fencing and any traffic control.

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Appendix A
JSHA/HASP

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Project/Activity: Building 49 Demolition
Name: Lee Koehmstedt

JSHA CRITERIA CHECKLIST	YES	NO	N/A
1. Work performed with a 6 ft. or greater fall hazard, excluding portable ladders. See Item 14 for further requirements.		X	
2. Roof work requiring the use of fall protection (within 6 ft of an unprotected edge) or special fall protection procedures.		X	
3. Potential hazardous chemical exposure above action levels or permissible exposure limits (PELs), or ACGIH Threshold Limit Values (TLVs).		X	
4. Work activity in an immediately dangerous to life or health (IDLH) breathing hazard environment.		X	
5. Fire or explosion hazards. Are fire hazards beyond a Hot Work Permit? (Reference O2, MD-10286)		X	
6. Work within close proximity of live electrical greater than 50 volts, conductors, and/or work that requires multiple locks, multiple hazard sources, or complicated lockout/tagout circumstances. (Reference MD-10444, *Lockout/Tagout Procedure Manual*, for multiple energy lockout/tagout.)		X	
7. Any maintenance or repair of equipment under pressure where the pressure cannot be shut off and de-energized.		X	
8. Work with high or extreme exposure to ionizing or nonionizing radiation (reference MD-80036, Op 10002), noise, or heat or cold stress (reference D9, D13 & D16, MD-10286).		X	
9. Determined by an appropriate core team, building manager, member of general or executive management, or the IS&H manager to require a JSHA.	X		
10. Any onsite construction or service project directed to have JSHAs based on this procedure and/or instruction from project personnel or IS&H staff.		X	
11. Near-miss event with the potential for loss of life or limb or disabling injury/illness if repeated.		X	
12. Excessive trauma/motion/vibration work situations or manual lifting involving heavy, large, and/or awkward-to-handle objects (reference MD-10407, *Ergonomics Program.*		X	
13. Unguarded, unmarked close clearance, pinch point, exposed moving machinery parts.		X	
14. Known potential falling object hazards (e.g., employees working above other employees, potential for dropping tools, falling equipment or material) or working in areas with the potential for flying objects (flying chips, sandblasting, etc.), exposure to sharp or protruding objects (e.g., working inside plenums, air mover ducts, etc.).		X	

MANDATORY JSHA REQUIRED TO ADDRESS ANY/ALL (YES) RESPONSES

JOB SAFETY & HEALTH ANALYSIS

JSHA MASTER DOCUMENT CONTROL NO:
SMPP/TFV – 34119-0

SIGNATURES

ORIGINATOR: Lee Koenmstedt

REVIEW/REV: Jarod Willis/Chris Ahlquist

REVIEW/REV: Bill Wahler/ Jim Harvey

REVIEW/REV: Gary Weidenbach

APPROVED: K Kehler

DATE: 2/5/2003	_X_ NEW ___ REV	**BUILDING:** 49	**JOB:** Demolish Building 49
DEPARTMENT/COMPANY: SMPP/TFV			**SECTION:** N/A

OCCUPATIONS: : Heavy Duty Operators, Demo Tech's, Constr. Crafts, Pipefitter/Welders, Electricians, Fab. Mechanics. Supported by Project Personnel e.g.. Supervision, Engineering, RAD Control, Ind. Hygiene, and Safety

REQUIRED PERSONAL PROTECTIVE EQUIPMENT:
Hard Hat, Safety Glasses with side shields, safety shoes, safety vest

MSDS(s)/CHEMICALS ASSOCIATED WITH THE JOB:
Insecticide

BASIC JOB STEPS	POTENTIAL ACCIDENT/ILLNESSES OR KNOWN HAZARDS	SAFE JOB PROCEDURES
Break the job down into basic steps that tell what is done first, what is done next, and so on. Record the job steps in their normal order of occurrence. Describe what is done, not the details of how it is done. Usually, three or four words are sufficient to describe each job step. For example, the job of "replacing a light bulb" may break down into basic steps as follows: 1. Bring and set up ladder 2. Ascend ladder 3. Remove light globe & bulb 4. Replace light bulb 5. Replace light globe 6. Descend ladder 7. Remove and store ladder	Ask yourself for each job what accidents/illnesses could occur to the employee doing the job. Record potential accidents/illnesses by combining one of the abbreviations below with the agent of contact. For example, "struck by a crane hook" is recorded "SB-crane hook." Number each potential accident. SB - Struck by CB - Contacted by SA - Struck against CW - Contact with CI - Caught in CO - Caught on IB - Caught between F - Fall SO - Strain-overexertion* E - Exposure (occ. illness) *Show ergonomic stresses as SO (repetitive trauma, single event strain, or awkward position)	For each potential accident/illness, ask yourself exactly what the employee should do or not do to avoid the accident/illness. Describe specific precautions in detail. Give each precaution the same number given in the potential accident (center column) to which it applies. Avoid generalities such as "Be alert," "Be careful," and "Take caution." Use simple do or don't statements; e.g., "Lock out main power switch," "Stand clear of lift before signaling," or "Check wrench grip before exerting full force." If necessary, explain how, as well as what, to do. Amount of detail is a matter of judgment. Describe ergonomic solutions (job redesign, new tools, worker lift assistance, etc.)
1) Establish work zone	**General Safety Note** A wide variety of incidents occur on a regular basis that potentially could result in injury or illness	1) Be cognizant of your own safe work practices as well as those of your co-workers 2) Review any related safety procedures of which you are unsure 3) Utilize STOP WORK Authority as necessary
1a) Pre-job meeting with involved personnel to discuss the work plan and safety requirements.	NA	This project engages in Enhanced Work Planning(EWP), a ISM process that evaluates and improves the approach by which work is identified, planned, approved, controlled, and executed.
1b) Area preparation	Standard construction hazards.	A) Demolition preparation is defined by 29CFR1926.850; workers, unfamiliar with construction standards must notify the project supervision and/or project health and safety personnel. B) Once the work area is defined, only authorized personnel are permitted in the construction perimeter. C) Unescorted, Non-project and Non-emergency personnel, must have acceptance of the SMPP/TFV Project Manager for entry.
1c) Utility protection	Running into PIV's, etc. or grates over field drains.	A) Mark PIV's and other utility equipment with visible stakes and/or colored flags. B) Cover field grates with steel sheeting to protect.
1d) Emergency egress/access	Blocked access	A) Emergency access to the work zone will be maintained to the extent possible.

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JOB SAFETY AND HEALTH ANALYSIS FORM
(CONTINUATION SHEET)

BASIC JOB STEPS	POTENTIAL ACCIDENT/ILLNESSES OR KNOWN HAZARDS	SAFE JOB PROCEDURES
1e) Utility isolation	Electrical shock or electrocution	A) All utilities to the building including electrical have been disconnected by project electricians at a point away from the building. B) Identify sources outside the building that may require LOTO to prevent incidental contact by Heavy Duty Equipment.
2/3) Demolition of building	Personnel in proximity with heavy duty equipment	Heavy duty equipment will be used to provide an additional margin of safety vs. putting workers in harms way. – stay clear of operating equipment.
Operation of heavy equipment near electric overhead lines	Electrocution	LOTO all electrical overhead lines.
Demolish building, pipe stanchions , and solvent storage structure using excavator mounted shear, hoe ram, grapple, loader, and bobcat	Struck by flying debris Struck by moving equipment Noise Hazard	Establish construction boundary. Wear hard hat safety glasses, safety shoes, and reflective vest inside construction area. Make eye contact with operator when working around equipment. Use hand signals to communicate intent. Maintain the following distances from operating equipment: Shear – 75 feet Hoe Ram – 50 feet Other heavy duty equipment – 30 feet Bobcat – 15 feet Make sure equipment is in safe working order. Use spotter vision is obstructed. Install traffic control. Wear hearing protection while running heavy duty equipment Follow the requirements of MD-10286 D9
Torch cut rebar or to weaken structural members	Burns, fire Potential lead paint	Obtain and follow Hot Work permit per MD-10286 O2. Wear proper PPE, have fire extinguishers in the construction zone. Test for lead paint; do not torch cut lead paint.
Working in excessive heat/cold	Heat Stress/Cold Stress	Follow the requirements of MD-10286 D13/D16
Working outside.	Adverse weather conditions	Be aware of adverse weather conditions, assembly and take shelter areas.
4) Restore area	**General Safety Note** A wide variety of incidents occur on a regular basis that potentially could result in injury or illness	1) Be cognizant of your own safe work practices as well as those of your co-workers 2) Review any related safety procedures of which you are unsure 3) Utilize STOP WORK Authority as necessary

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4a) Rough grading	Equipment/ personnel mixture	Stay clear
4b) Covering ground	Slip – Trip – Fall Lifting /twisting strain	Uneven walking and/or working surfaces –use extra caution. Follow accepted practices
4c) Protecting / filtering field drains	Lifting /twisting strain	2 man rule follow standard practice lifting grates.
4d) Dismantling fence	Slip trips and falls Cuts and abrasions Lifting /twisting strain	1) Be cognizant of your own safe work practices as well as those of your co-workers 2) Review any related safety procedures of which you are unsure 3) Utilize STOP WORK Authority as necessary

SIGN-OFF SHEET

I have read and understand the attached Job Specific Work Plan and JSHA:

SIGNATURE	**Date**	**Department**

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Appendix B

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Appendix C
PRE-JOB BRIEFING

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JOB SPECIFIC WORK PLAN
PRE-JOB UPDATE

MSR/PROCEDURE (if applicable):	JOB SUPERVISOR

A.	Time, Date and Location of PJB:
B.	Applicable Procedure Number:
C.	Job Description:
D.	Personnel Attending:

HP#	SIGNATURE	HP#	SIGNATURE

JOB SUPERVISOR – This is a reminder checklist for the update. The supervisor need only discuss and note changes from the previous day's briefing or update. (Use NC for No Change).

1.	Any changes/revisions to safety envelope for work: a. New/added assignments and responsibilities of any individual b. Changes in facility conditions, tagouts, valve lineups c. New or changed precautions/hazards d. Valid RWP or other required work permits still in effect
2.	Adequate supply of PPE
3.	New training, any training coming up on expiration
4.	New changes to relevant Category "A" or Category "B" procedures.
5.	Equipment and tools calibrations in effect
6.	Relevant lessons learned, critique reports
7.	RWP revisions: a. Changes to radiological conditions of the workplace, particularly with respect to postings. b. Change in scope, especially if it is a reduction in scope or Stop Work Levels.
8.	Changes to radiological and/or health monitoring.
9.	Open the floor to questions.

The above minimum requirements have been met; this PJB has been conducted in sufficient detail to maximize continued safe conduct of the job, and all personnel have been through a previous Pre-Job Brief.

_____ _____

Job Supervisor/Foreman Date

NOTE: Completed pre-job update sheet must be retained with the work package or maintained in your record file.

JOB SPECIFIC WORK PLAN

Daily Toolbox Safety Meeting

Project:	**Date:**

Safety Topic of Meeting:

Work Description of Meeting:

Review the following to determine if conditions have changed since the last Pre-Job Meeting
If this is the 1st meeting with a subcontractor, has Safe Work Authorization been done?
Check off each item that applies or mark N/A if it doesn't apply.

Hot Work Permit (torch cutting, spark producing grinding, open flame heaters, welding)		Signage and Barricades (construction area, hazard notification, rad postings, etc).	
Penetration Permit (penetrating walls, ceilings, or floors in a building)		Air Monitoring (as required by Environmental Compliance and/or Industrial Hygiene)	
Excavation Permit (digging in soil)		Dust Suppression (misting, etc.)	
Trench Plan (shoring, soil layback, etc. if over 4 feet below grade)		Water Runoff Prevention (silt fence, straw bales, collection pond, etc.)	
Confined Space Entry Permit (manhole, tank, or other confined space entry)		Radiation Work Permit (as required by Rad Controls)	
Fall Protection (person's feet over 6 feet above ground)		TLDs (as required by RWP and rad postings)	
Lockout/Tagout (all energy sources to equipment being worked on)		Waste Containers (rolloffs, sealands, dumpsters, LSA boxes, drums, etc.)	
PPE (respirators, Tyveks, safety shoes, safety glasses, hard hats, gloves, reflective vests, etc.)		Utility review especially for asbestos abatement contractor (label live utilities e.g. FAS, phone, electric)	
Personnel Training up-to-date for assigned work (Radworker II, Asbestos, Lead, etc.)		Hoisting and Rigging Review	

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JOB SPECIFIC WORK PLAN
PRE-JOB UPDATE

Continuation Sheet for _____/_____/_____

HP#	SIGNATURE	HP#	SIGNATURE

JOB SPECIFIC WORK PLAN

PRE-JOB UPDATE

MSR/PROCEDURE (if applicable):	JOB SUPERVISOR

A.	Time, Date and Location of PJB:
B.	Applicable Procedure Number:
C.	Job Description:
D.	Personnel Attending:

HP#	SIGNATURE	HP#	SIGNATURE

JOB SUPERVISOR – This is a reminder checklist for the update. The supervisor need only discuss and note changes from the previous day's briefing or update. (Use NC for No Change).

2. Any changes/revisions to safety envelop for work: e. New/added assignments and responsibilities of any individual f. Changes in facility conditions, tagouts, valve lineups g. New or changed precautions/hazards h. Valid RWP or other required work permits still in effect
2. Adequate supply of PPE
3. New training, any training coming up on expiration
4. New changes to relevant Category "A" or Category "B" procedures.
5. Equipment and tools calibrations in effect
6. Relevant lessons learned, critique reports
8. RWP revisions: c. Changes to radiological conditions of the workplace, particularly with respect to postings. d. Change in scope, especially if it is a reduction in scope or Stop Work Levels.
8. Changes to radiological and/or health monitoring.
9. Open the floor to questions.

The above minimum requirements have been met; this PJB has been conducted in sufficient detail to maximize continued safe conduct of the job, and all personnel have been through a previous Pre-Job Brief.

Job Supervisor/Foreman Date

Appendix D

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Appendix E
DRAWINGS/SKETCHES

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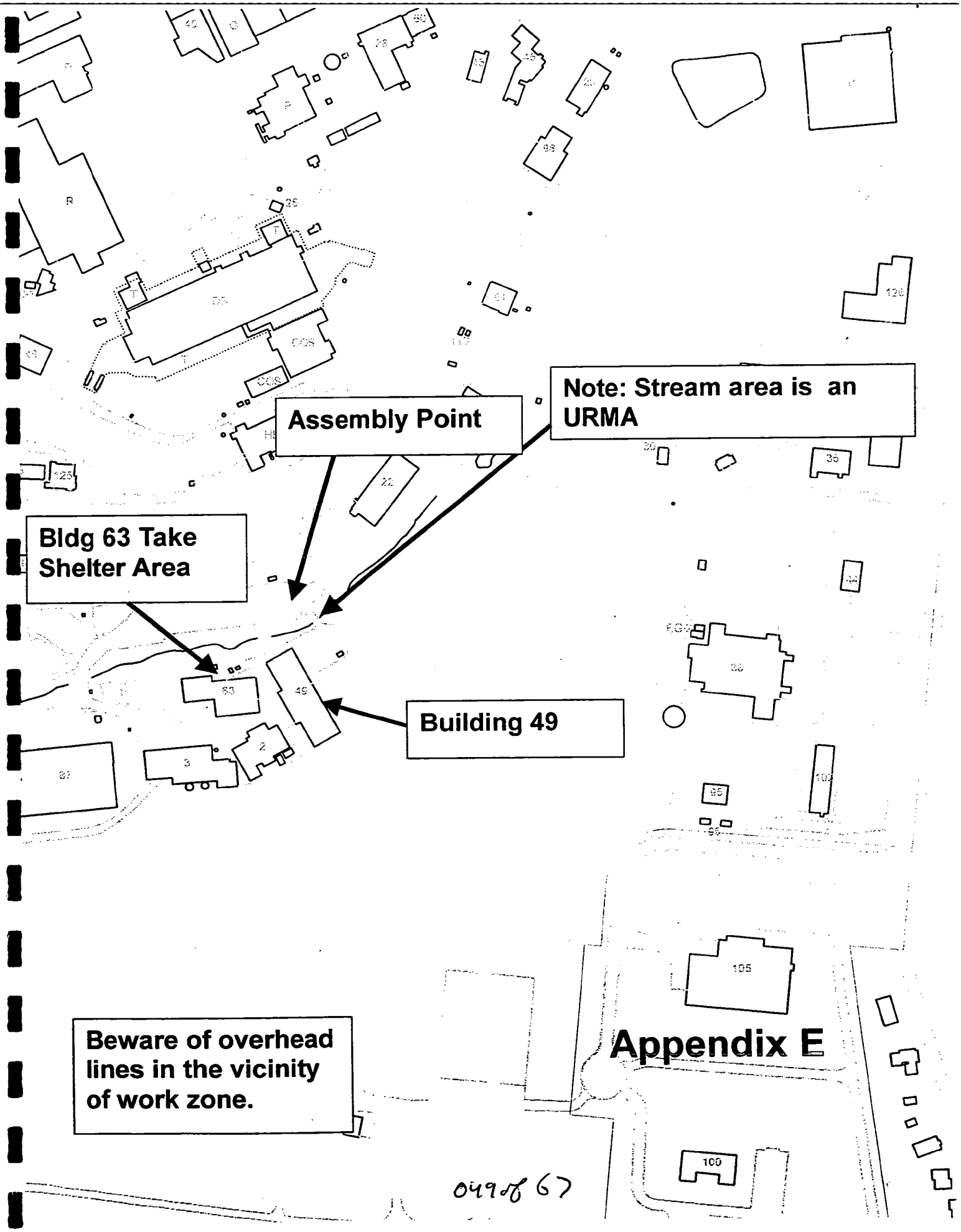
Note: Stream area is an URMA
Assembly Point
Bldg 63 Take Shelter Area
Building 49
Beware of overhead lines in the vicinity of work zone.
Appendix E
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Appendix F
REFERENCES/ LESSONS LEARNED

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480-Volt Underground Electrical Conduit Broken During Hand Excavation

L03-007 (2003-ID-AMWTP-001)

Lessons Learned Statement: The trace of an underground conduit should be accurately defined by electronic or other means prior to any excavation activities in the vicinity of the buried conduit. Hand drawn location maps may not be accurate enough to preclude the breach of the conduit.

Discussion: Workers were installing a fence post using a hand-held post hole digger. Prior to the start of digging, the ground was marked where to dig the holes. During the excavation process, the workers became aware that the buried 480-volt electrical conduit had been broken by visibly observing the conduit. Upon identify this, work was stopped and the Supervisor was notified. Immediately after notification by the workers, the Supervisor was informed about a loss of power to some equipment in Building WMF-634. Subsequent investigation revealed that multiple breakers had tripped since the 480-volt electrical conduit was broken and multiple conductors inside the conduit shorted to ground.

Analysis: The conduit was temporary power to temporary trailers being used during the commissioning process at the Advanced Mixed Waste Treatment Project (AMWTP). Since the power supply was temporary, no as-built drawings were available. Instead of marking the trace of the conduit on the surface to document where the conduit was in the subsurface, the ground was marked where to dig the holes.

Work control procedures failed to identify that minor work activities require detailed hazard assessments be performed and identified hazards mitigated prior to the start of work.

Resolution: BNFL Inc. is implementing several corrective actions in response to this event and will issue another lessons learned as a best practice lesson in the near future.

Priority Descriptor: Yellow/Caution

Work Function: Conduct of Operations - Work Planning

Hazard: Excavation and Trenching

ISM Core Function: Develop and Implement Controls

Originator: Howard J. Gordon: (303) 874-3944

Contact: Isabelle Wheeler: (208) 557-7006; Fax: (208) 557-4442; e-mail:

irwheeler@bnflinc.com

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Derivative Classifier: N/A

UCNI Reviewing Official: N/A

References: ORPS ID-BNFL-AMWTP-2002-0008, NTS ID-BNFL-AMWTF-2002-0008

Back to Lessons Learned

Appendix G
MISCELLANEOUS
(USQ, RWP, Permits, etc.)

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INTER OFFICE MEMO CH2MHILL MOUND, INC.

Date: January 27, 2003 cc. L. Koehmstedt

From: W. L. Johanan – OSW-430

Subject: Structural Survey of Building 49, RE: 29 CFR 1926.850 (a)

To: Kurt Kehler-Project Manager

Please be advised that we have performed a structural review and walk down of the subject building and found them to be satisfactory based on the demolition process and work plan.

Please call me if you have any further questions.

W. L. Johanan P.E.
Site Structural Engineer

STATE OF OHIO
WILLIAM L JOHANAN
E-44883
REGISTERED
PROFESSIONAL ENGINEER

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SMPP/TFV PROJECT
Waste Disposition Plan
Building 49 Demolition

The purpose of this Project Operations plan is to identify waste streams that will be generated during the demolition of building 49. Characterization of waste streams will be summarized and disposal options specified.

The plan will outline types of waste/waste quantities expected. Information will be provided on the schedule for waste generation, RCRA characterization, radiological characterization, packaging requirements/mode of disposal, and any specific waste acceptance criteria that must be met for disposal.

Waste types and estimates are based on a physical examination of the room conducted on January 10, 2003 and review of the processes that were performed in the building. These areas are not considered to be contamination areas. The majority of the waste that will be generated in the demolition process of the building will be disposed of as demolition debris/solid waste. The waste will include all associated removable piping located inside/outside Bld. 49. Sealed pressure vessels will need to be at < 1.5 atmospheres. **Wastes are listed in expected order of generation.**

Waste Type	Demolition debris/solid waste: Asbestos, Concrete, Steel and Copper Piping, Metal Roofing, PVC, Elect. Wiring, FG Installation, Wood
Quantity expected	104,794 Solid Waste Cu. Ft. and 1,620 Cu. Ft. Asbestos
Asbestos	Asbestos will need to be segregated and disposed of under asbestos waste stream. IH documentation that determines if asbestos is present will need to be provided before disposal. (Contracted)
Schedule for waste generation	February, 2003 - March , 2003
RCRA characterization	Non-hazardous
Radiological characterization	Radiological surveys of the building /equipment indicate no elevated radioactivity levels. Building was non-impacted from site Rad Operations.
Packaging requirements	30 Cu Yd. Roll-Off / End Dumps
Mode of disposal	Offsite disposal via Waste Management Operations/Journey LTD
* NOTE: Sealed pressure vessels will need to be at < 1.5 atmosphere if present	

Any unusual or unexpected items not addressed in this plan should be set aside for examination and evaluation by the Project Engineer and Waste Coordinator.

Prepared by Willis Daniel
Date: 01/27/03

From: Brady Barnhart
To: Koehmstedt, Lee
Date: 1/28/03 1:18PM
Subject: Re: Building 49 Demolition - Energetic Material Safety Review

Gentlemen,

During my recent walk-though of Building 49 I found no evidence of energetic materials or suspect areas that would pose a demolition problem. The building was very clean with no residual powders or manufacturing equipment present. In my professional judgement, this building poses no demolition safety issues regarding energetic materials.

Brady Barnhart

>>> Lee Koehmstedt 01/28/03 09:33AM >>>
Brady,

Could you generate a e-mail or IOC on the walk through of Building 49, to address the issue of the building being safe for demolition from the energetic material stand point, being you are a Subject Matter Expert (SOM)on energetic materials? This is needed this week.

Thanks

Lee

CC: Ransbottom, Robert; Stromberg, Michael; Wahler, William

No USQs or RWPs are required at this time. An excavation permit will be required for the slab removal and a burn permit will be required for torch cutting rebar.

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Appendix H
POST-JOB CONFERENCE

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Title:	
Work Package No. (JSWP or MSR)	

POST JOB CONFERENCE

What went well?

What could be improved?

Other Comments:

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Title:	
Work Package No. (JSWP or MSR)	

Items Requiring Further Action:

POST-JOB CONFERENCE ATTENDEES

NAME	HP	NAME	HP

Title:	
Work Package No. **(JSWP or MSR)**	

LESSONS LEARNED INPUT FORM

What Happened? (Describe in as little or as much detail as necessary the situation and what occurred. Do not mention any names, only job functions and activities)

What did you learned? (Describe how the job could have been done better, how a hazard could have been eliminated, etc.)

Submitted by: _____ **Date:** _____

OPTIONAL

Mail to: Lessons Learned Program Manager, W-219 or appropriate Project or Functional Manager

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