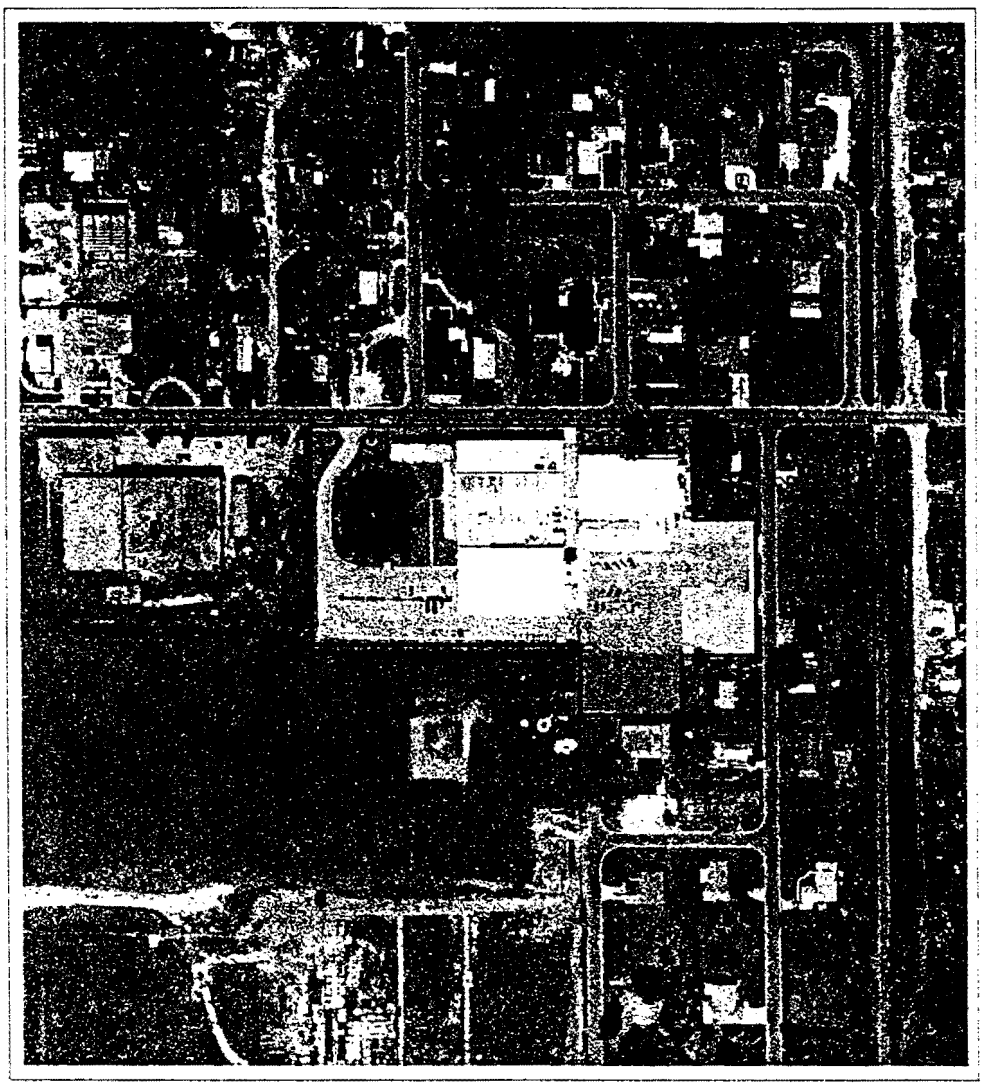
FINAL

Facility Assessment
Former American Beryllium Company
1600 Tallevast Road
Tallevast, Florida



LOCKHEED MARTIN
BURBANK PROGRAM OFFICE

Tetra Tech
Environmental Engineers & Scientists
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Former American Beryllium Company

Facility Assessment

Prepared for:

Lockheed Martin Corporation
Burbank, California

Prepared by:

Tetra Tech, Inc.
Pasadena, California

Dan Batrack
Program Manager

Nisha Bansal
Project Manager

Frank Najafi
Project Engineer

Timothy Caughey
Florida Licensed Asbestos Consultant
ZA0000211

TETRA TECH, INC.
670 N. ROSEMEAD BLVD.
PASADENA, CA 91107
(626)351-4664
FAX: (626)351-5291

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Appendix A Air and Wipe Sampling Report
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Section 1
Introduction

On behalf of the Lockheed Martin Corporation (Lockheed), Tetra Tech, Inc. has prepared the following Facility Assessment (FA) Report for the Lockheed Martin American Beryllium Company (ABC) facility in Tallevast, Florida. The FA was conducted to provide identification, assessment, quantification and documentation of all items / materials of environmental concern currently present within the physical structures at the ABC facility.

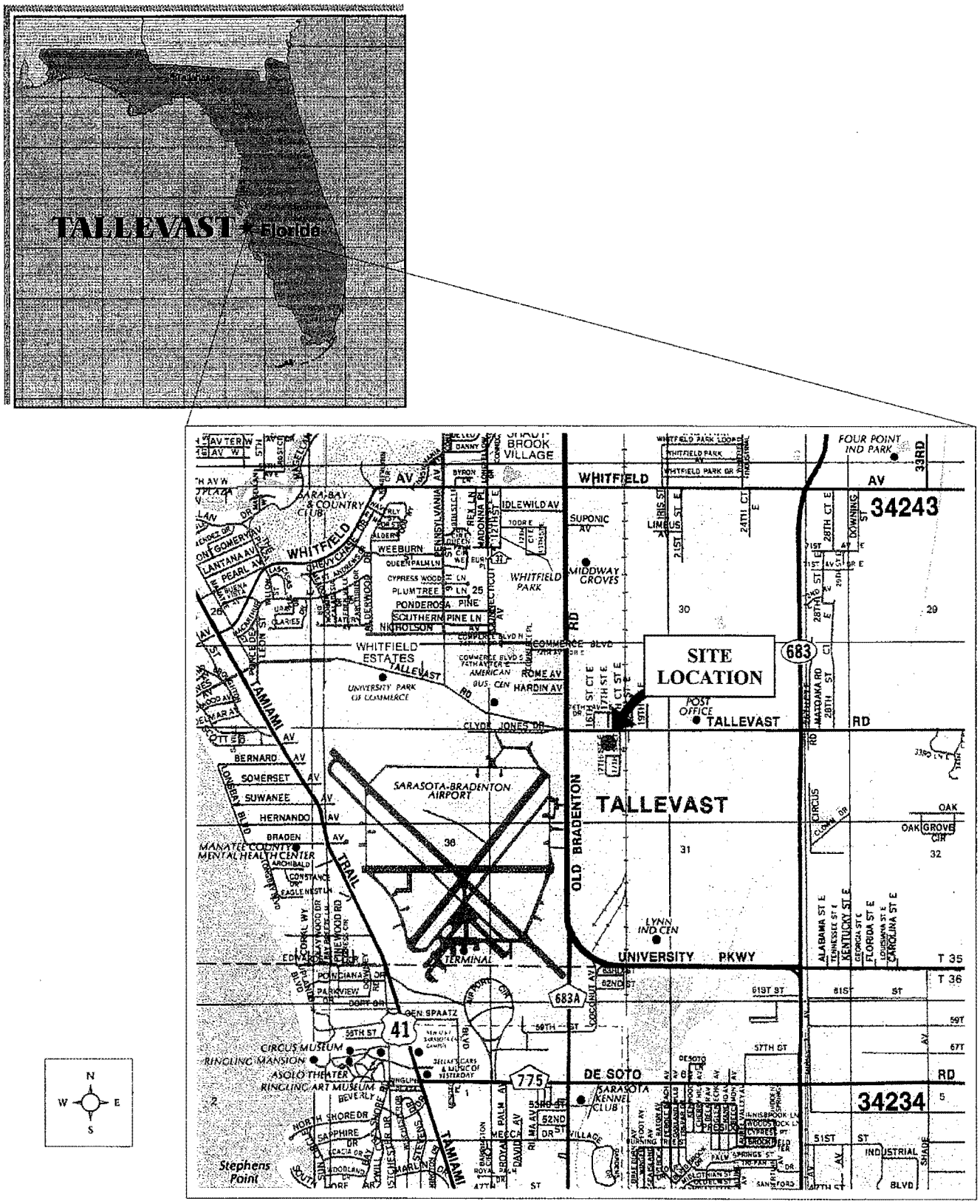
1.1 FACILITY DESCRIPTION

The former ABC facility is composed of 5.167 acres of land and is located at 1600 Tallevast Road in Tallevast, Manatee County, Florida. The property is bounded by Tallevast Road to the north, undeveloped and residential areas to the south, 17th Street Court East to the east, and an abandoned industrial facility to the west. A general location map is shown as Figure 1-1.

The facility was formerly used as an ultra-precision machine parts manufacturing plant, where metals, including beryllium, were milled, lathed and drilled into various components. Some of the components were finished by electroplating, anodizing and ultrasonic cleaning. Operations were discontinued on September 27, 1996.

The property contains five primary buildings that cover a total surface area of approximately 66,335 ft^2. Building 1, the largest building structure, was composed of office space and machining areas. Buildings 2 and 3 contained machining areas and inspection rooms. Building 4 housed a wood working shop and non-hazardous material storage area. Building 5 contained plating and anodizing rooms, a wastewater treatment system and hazardous materials storage areas. A

FIGURE 1-1
SITE LOCATION MAP



summary of the buildings and their uses are shown in Table 1-1. Figure 1-2 provides an overview of the property.

Table 1-1
Description of Primary Buildings

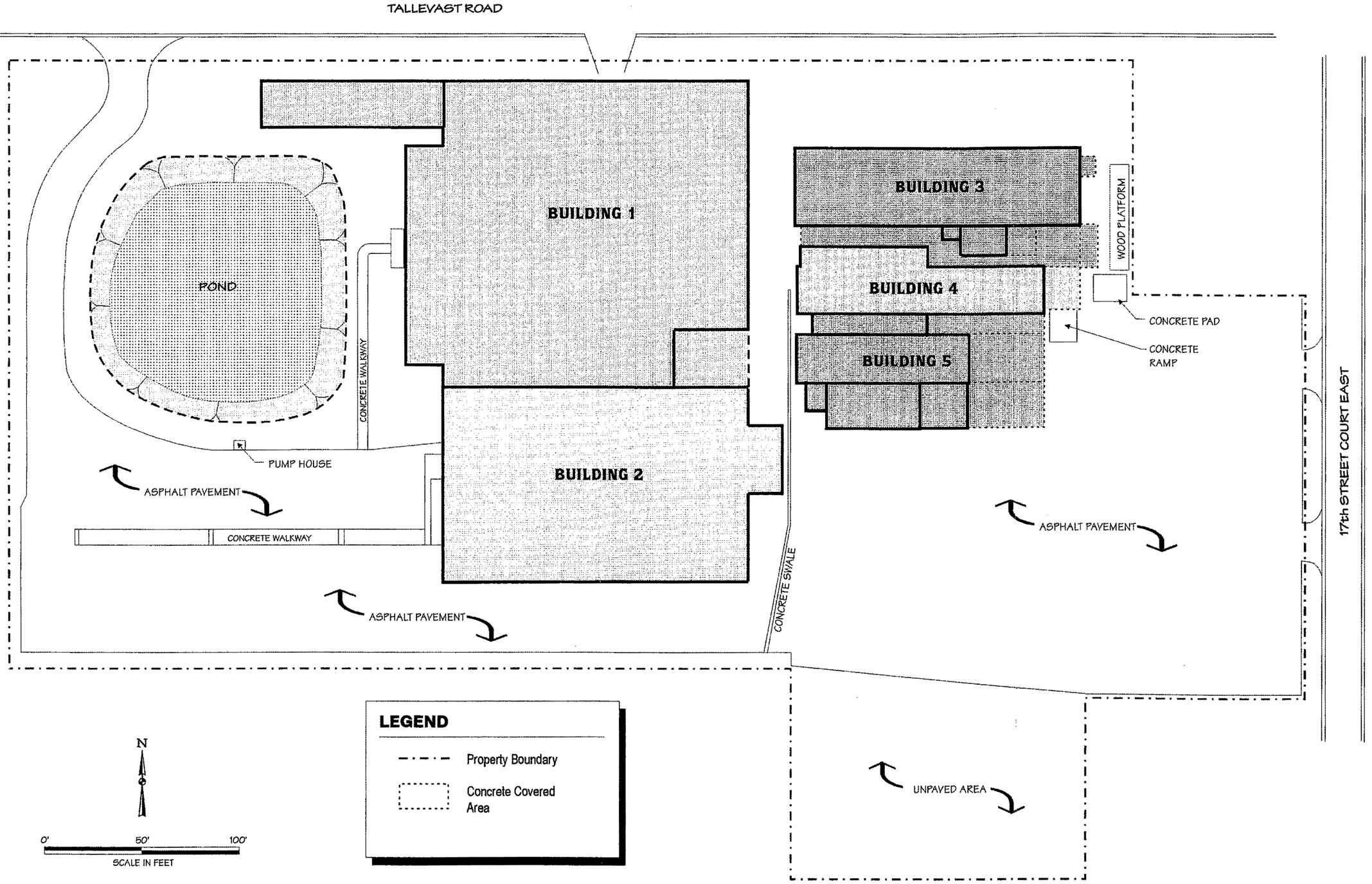
Building Number	Surface Area (ft^2)	Former Usage
1	29,004	Machining and office space
2	16,700	Machining and inspection
3	8,648	Machining and inspection
4	4,277	Wood working shop and non-hazardous material storage
5	7,706	Plating and anodizing, wastewater treatment, and hazardous material storage

Further information associated with the buildings and historical chemical usage is provided in Tetra Tech's Phase I Environmental Assessment (EA) Report, dated February 7, 1997. The EA report contains a summary of the potential environmental concerns related to the buildings and property.

1.2 PROJECT OBJECTIVES

The purpose of this FA is to evaluate environmental conditions at the buildings prior to property transfer, occupancy or building demolition. Tetra Tech employed applicable Asbestos Hazard Emergency Response Act (AHERA), National Emission Standard for Hazardous Air Pollutants (NESHAP), and American Society of Testing and Materials (ASTM) approaches to conduct an asbestos, paint and toxics assessment of the property. The major elements of the FA consisted of the following:

- Facility survey, which included identifying fluorescent light fixtures, batteries, thermostats, etc.;
- Non-destructive sampling of various building materials and surfaces for asbestos and toxic paint compounds (i.e., lead). Sampling was also performed at various features (pipes, sumps, floor drains, etc.) that contained beryllium dust and solid residues;


TALLEVAST ROAD
BUILDING 1
BUILDING 2
BUILDING 3
BUILDING 4
BUILDING 5
POND
CONCRETE WALKWAY
PUMP HOUSE
ASPHALT PAVEMENT
CONCRETE WALKWAY
ASPHALT PAVEMENT
WOOD PLATFORM
CONCRETE PAD
CONCRETE RAMP
CONCRETE SWALE
ASPHALT PAVEMENT
UNPAVED AREA
17th STREET COURT EAST
N
0'
50'
100'
SCALE IN FEET
LEGEND
Property Boundary
Concrete Covered Area

- Production of detailed building floorplan maps for use during sampling and quantity estimates.

Information collected during the FA was used to identify and quantify toxic or potentially toxic building materials and residuals that may require decontamination and / or removal. Specifically, recommendations for decontamination and / or removal of the materials of concern were based on the following:

- Evaluation of the type, location, extent and amount of each material of concern;
- Assessment of the physical condition of each material of concern;
- Comparison of data with applicable and appropriate regulations and action levels.

1.3 REPORT ORGANIZATION

This FA report is organized into the following sections:

- Section 1 - Introduction: Provides a brief overview of the FA, a site description and a statement of program objectives;
- Section 2 - Facility Assessment Approach: Presents the technical approach to the FA, including identification of the types of materials and features that were assessed and sampled, determination of applicable regulations and requirements, and description of the field methodology employed;
- Section 3 - Summary of Findings: Summarizes the results of the FA, including tabular presentations of sample results, and graphical illustrations of sample locations;
- Section 4 - Conclusions: Presents conclusions derived from the FA;
- Section 5 - References: Lists references and other citations used for compiling this FA report;
- Section 6 - Limitations: Lists the limitations associated with the FA.

The FA report includes the following appendices:

- Appendix A - Air and Wipe Sampling Report;
- Appendix B - Laboratory Analytical Data Reports

Section 2
Facility Assessment Approach

In accordance with ASTM, AHERA, and NESHAP standards, Tetra Tech, Inc. conducted the Facility Assessment at the ABC facility from June 15 to 18, 1997. The FA consisted of surveying and sampling various building features and materials that may contain toxic materials. The FA approach was based on a pre-work facility inspection and a review of the EA Report. Specific tasks conducted during the FA include the following:

1. Facility Survey; A facility survey was conducted to identify various items of environmental concern, including fluorescent light tubes, batteries, thermostats, etc.;

2. Asbestos Survey; An asbestos survey was conducted by a Florida licensed asbestos consultant to evaluate and quantify potential asbestos containing materials (ACM);

3. Lead Based Paint Survey; A paint survey was performed to evaluate building surfaces for the presence of lead;

4. Beryllium Wipe Sampling; Various equipment and features associated with the former beryllium production process, including the vacuum system piping, floor drains and sumps, were sampled for beryllium; and

5. Miscellaneous Feature Sampling; Various building features containing potential toxic materials, including refrigeration units, electrical panels, sumps, pits, and piping, were sampled for the presence of specific chemical compounds. The sampling and analytical scheme was based on information derived from the site inspection and the EA report.

Further details of the FA approach and field methodology for each task item are provided in Sections 2.1 through 2.5.

2.1 FACILITY SURVEY

Tetra Tech conducted a room-by-room survey of each ABC facility building to identify items of environmental concern and to document the quantity, location, and extent of the items identified. The facility survey was conducted to identify and document the following items of concern:

- Fluorescent Lights - The number of fluorescent light fixtures in each building was quantified by bulb size (e.g., 2, 4, or 8 foot). Each fluorescent light fixture contains ballasts that potentially contain either PCBs or di(2-ethylhexyl)phthalate (DEHP) as a dielectric fluid in the ballast capacitors. These compounds are toxic and require appropriate disposal if building demolition is intended. During the FA, the number of fluorescent lights fixtures in each building was quantified.

- High Intensity Discharge (HID) Lights - HID light fixtures may contain a toxic material (i.e., mercury vapor, metal halide, and high pressure sodium) that requires appropriate disposal if building demolition is intended. During the FA, the number of HID lights in each building was quantified.

- Batteries - Many common batteries in EXIT signs, emergency lights, security alarm systems and large backup power battery packs, may contain lead-acid that requires appropriate disposal. During the FA, the number of batteries in each building was quantified.

- Mercury-Containing Items - Common building features, such as thermostats and soft-contact switches, may contain mercury ampules that require appropriate disposal. During the FA, the number of mercury-containing items in each building was quantified.

- Smoke and Motion Detectors - Smoke and motion detectors may contain a small amount of radioactive material and batteries that require appropriate disposal (e.g, returned to manufacturer for recycling or sent to an appropriate disposal location if building demolition is intended). Smoke detectors were identified in several buildings during the site inspection.

During the FA, the number of smoke detectors in each building was quantified. The location, condition, and accessibility of each smoke and motion detector was also documented.

- Equipment Containing Chlorofluorocarbons (CFCs) - Refrigeration equipment, including drinking water fountains, chillers, and air conditioners (including window-mounted units), may contain CFCs that require appropriate disposal. For each unit, the type, model, and manufacturer was documented.

- Electrical Equipment, Generators, and Transformers - Electrical equipment, including transformers and generators, were identified and documented, including the location, condition, type, and size. During the FA, the electrical equipment in each building was identified and documented during the recent EA.

- Subsurface Features - Sumps, machine pits, and floor drains located in ABC buildings were identified and documented, including the location, contents, and size.

2.2 ASBESTOS SURVEY

Building materials that contain asbestos exceeding 1% by area are defined as an asbestos containing material and are regulated by the Florida Department of Environmental Protection (FDEP). The FDEP follows AHERA 40 CFR 763, NESHAP 40 CFR Part 61 Subpart M, and federal OSHA Asbestos Construction Industry Standard 29 CFR 1926.1101 for asbestos regulations. Appropriate ACM management is based on hazard ratings that assess building materials in terms of friability, condition and potential for damage. Asbestos abatement is always required if demolition of the building materials is intended.

The objective of the survey was to locate and identify suspect asbestos-containing materials (ACM), and to determine their friability, condition and potential for damage. Bulk sampling and laboratory analyses were performed to confirm the asbestos content of suspect materials. Samples were analyzed by Environmental Hazards Services, a USEPA and State of Florida certified laboratory. On the basis of

survey information and laboratory analyses, Tetra Tech determined hazard ratings and quantified asbestos containing building materials identified at the ABC facility. The procedures and methodology that were followed for this project are summarized as follows.

2.2.1 Inspection and Sampling Procedures

Inspection and Sampling

A preliminary visual inspection of the facility was conducted to identify and quantify suspect ACM. Suspect ACM included the following: *surfacing materials* (exterior stucco and interior wall texture material); *thermal system insulation* (pipe, duct or other HVAC insulation materials); and *miscellaneous materials* (construction materials for roofs, ceilings, floors and walls, such as tiles/panels, sheeting, wallboard/joint compound, coatings and roofing materials).

Following inspection, a sampling strategy was developed to provide representative, non-destructive sampling of each type of building material. Each sample was placed in a sealed plastic or metal container, and placed in a larger storage bag. To prevent cross-contamination, sampling equipment was cleaned after each sample was obtained. Samples were documented by entering the sample data on a log form, including a description of the material, sample number, location, condition, friability, potential for damage, and quantity. A photograph was taken to further document the material sampled, its condition and location.

Overall, a total of 151 samples were collected of suspect ACM materials. A detailed description of each sample and the analytical results are presented in Section 3.

Laboratory Procedures

All samples were transferred under Chain-of-Custody to the analytical laboratory, Environmental Hazards Services, a State of Florida certified laboratory. Bulk sample analyses were conducted by Polarized Light Microscopy (PLM) with dispersion staining, as described in the "Interim Method for the Determination of Asbestos in Bulk Insulation samples," Method EPA-600/M4-82-020 (Federal Register/Volume 47, No. 103, May 27, 1982). The PLM method is standardized by the National Institute for Occupational Safety and Health (NIOSH) and recommended by the EPA.

2.2.2 Material Assessment

Friability

During the survey, materials were classified as either *friable* or *nonfriable*. A material that is designated as friable refers to a material, when dry, can be broken, crumbled, pulverized or reduced to powder by hand pressure. In this situation, any demolition / renovation performed on or near the material requires ACM removal. Non-friable materials refer to a low potential for release of asbestos fibers. Some nonfriable materials may become friable due to physical disturbance, aging or deterioration. Visual inspection and physical handling were performed for all suspect materials to ensure proper friability classification.

Condition and Potential Damage

Materials were assessed for any damage by impact, water, aging, deterioration, or delamination from their substrata. In addition, assessment was made for potential damage by contact, vibration, or air erosion.

Hazard Rating

Once all assessments were made, the material was assigned a hazard rating based on material condition and potential for damage. The hazard rating system utilized for this survey was derived from USEPA Response Actions and the federal Asbestos Hazard Emergency Response Act (AHERA) category numbers. The EPA Response Actions, labeled 1 through 7, mandate various asbestos management actions based on material condition, level of disturbance, and air flow considerations. The EPA response actions are summarized below:

Table 2-1
Hazard Rating System

Material Condition	Potential for Damage	Hazard Rating	Response Action Options
Good	Low potential for damage	1	O&M required for all ACM
Good	Moderate potential for damage	2	O&M required for all ACM not removed
Good	High potential for damage	3	Evacuation or isolation of the area if needed. O&M required to reduce potential for disturbance for all ACM not removed.
Damaged	Low potential for further damage	4	Removal, enclosure, encapsulation, or repair to correct. O&M required for all ACM not removed.
Damaged	Moderate potential for further damage	5	Removal, enclosure, encapsulation, or repair to correct. O&M required for all ACM not removed.
Damaged	High potential for damage	6	Evacuation or isolation of the area if necessary. Immediate removal, enclosure, encapsulation, or repair to correct. Reduce potential for disturbance. O&M required for all ACM not removed.
Significantly Damaged	Any	7	Evacuation or isolation of the area if necessary. Immediate abatement. Repair of thermal system insulation is optional if feasible, cost effective and safe. O&M required for all ACM not removed.

2.3 PAINT SURVEY

No federal or state laws exist that mandate sampling painted surfaces for the purpose of demolishing an industrial facility such as the ABC plant. However, the Department of Housing and Urban Development (HUD) and the Occupational Safety and Health Administration (OSHA) have published guidelines or standards that may be used to evaluate data collected from lead-based paint surveys. For their federal housing projects, HUD uses a guideline of 5,000 mg/kg for lead based paint to determine areas that should be abated. OSHA has a published Permissible Exposure Limit (PEL) of 50 $\mu g/m^3$ for airborne lead. If disturbed, lead dust has the potential to become an airborne compound.

Paint samples were collected from various surfaces throughout all buildings in both interior and exterior locations. Sampling was focused on surfaces with various paint colors, multiple layered paint, areas of poor paint condition, and surfaces with the highest potential to contaminate demolition debris. The samples were recorded on a Chain-of-Custody form and shipped to VOC Analytical, Inc., a State of Florida certified laboratory, for the analysis of lead using EPA Method 6010.

2.4 BERYLLIUM SURFACE WIPE SAMPLING

The objective of the beryllium sampling program was to identify building surfaces and materials that contained beryllium residues. The data was used to assess the potential for any identified beryllium affected materials to impact human health. This section presents the applicable regulatory standards, the results of a previous assessment conducted at the facility, and the methodology used to conduct this sampling program.

2.4.1 Applicable Regulatory Standards

No specific regulatory standards for beryllium in surface wipe samples have been published by federal, state or municipal regulatory agencies. A regulatory standard for beryllium has been published by OSHA. OSHA regulates beryllium as an airborne compound with a PEL of $2 \mu g/m^3$.

2.4.2 Previous Surface Wipe and Air Sampling Program

During a previous building assessment conducted in November and December 1996, surface wipe and air samples were collected from doors, walls, floors and other surfaces located at the former ABC facility. Twenty eight surface wipe samples were collected from the ABC facility on November 19, 1996. Beryllium was detected in all 28 wipe samples, with a maximum of 871 $\mu g/ft^2$ reported (Appendix A).

Over a 4-day period from December 2 to 5, 1996, a total of 68 air samples were collected at the ABC facility to determine if beryllium was present in the breathing zone. The air samples were analyzed in accordance with National Institute of Occupational Safety and Health (NIOSH) method 7300. Beryllium was not detected in any of the 68 samples collected from the site (Appendix A).

2.4.3 Field Methodology

During this FA, surface wipe samples were collected from the ceiling panels below the beryllium vacuum system pipes, and from various floor drains and sumps. Samples were collected using laboratory supplied wipe media and pre-made 12" x 12" templates. The wipe media was applied to the surface in an "S" shaped motion once with its entire surface and then again in the opposite direction with a half folded surface. Each wipe sample was then folded once more and placed in separate vial containers. Disposable surgical gloves were used to prevent cross contamination of the samples. The samples were recorded on a Chain-of-Custody form and shipped to VOC Analytical, Inc., a State of Florida certified laboratory, for the analysis of beryllium using EPA Method 6010.

2.5 MISCELLANEOUS FEATURE SAMPLING

Based on the site inspection and a review of the EA Report, Tetra Tech identified miscellaneous locations where residual liquids, or solids exist in the facility. Areas targeted included sumps, machine pits, air scrubbers, and above ground piping. Based on the reported usage of the feature, samples were analyzed for either VOCs, PCBs, TRPH, metals or a combination of these analyses. No subsurface samples were collected during this assessment. A description of the areas and features that were sampled and the analyses performed is presented in Table 2-2.

Table 2-2
Building Feature Sampling and Analysis Program

Building No.	Sample Location Description	Number of Analyses			
		EPA 8260 VOCs	EPA 8080 PCBs	EPA 6010 Metals	EPA 418.1 TRPH
1, 2, 3	Condensate return for AC equipment	4 - CFCs	0	0	0
1, 2, 5	Electrical equipment wrap	0	3	0	0
5	Floors, ceiling, pipes, and ducts	0	0	Cr -23 Zn - 23	0
5	Sumps and floor drains	15	3	0	10

CFC = Chlorofluorocarbon
Cr = Chromium
Zn = Zinc

Samples were collected and handled in accordance with applicable industry procedures and standards. The samples were recorded on a Chain-of-Custody form and shipped to VOC Analytical Inc., a State of Florida certified laboratory, for the analysis of the selected compounds.

The data was evaluated by comparing the detected concentrations to the applicable toxicity characteristics and regulatory levels published in 40 CFR 261.

Section 3
Summary of Findings

A summary of the results for each task performed during the facility assessment of the five buildings associated with the former American Beryllium Company (ABC) is presented in this section. All survey findings and sampling data will be discussed for the following tasks:

- Facility Survey
- Asbestos Survey
- Lead-Based Paint Survey
- Beryllium Wipe Sampling, and
- Feature Sampling

All sampling analytical results are summarized in tables and corresponding sampling locations are shown in figures. Laboratory analytical data reports are presented in Appendix B.

3.1 FACILITY SURVEY

Tetra Tech conducted a room-by-room survey of each of the five ABC buildings to identify and quantify items of concern. The following items were identified during the facility survey:

- Fluorescent light fixtures
- High Intensity Discharge (HID) lights
- Batteries contained in EXIT signs, emergency lights, and alarm control boxes
- Mercury containing items - thermostats and soft-contact switches
- Smoke and motion detectors
- Equipment containing CFCs - air conditioning and refrigeration equipment

- Electrical Equipment
- Machine pits, sumps and floor drains

The items contained in each building are discussed below.

3.1.1 Light Fixtures

Fluorescent Light Fixtures

A total of 984 fluorescent light fixtures were detected within the five buildings of the former ABC facility. Each light fixture was identified according to the number and size of bulbs. Table 3-1 presents a summary of the light fixtures encountered in each building.

Table 3-1
Summary of Fluorescent Light Fixtures

Building No.	Quantity and Bulb Fluorescent Size of Light Fixtures and Quantity of Associated Ballasts									
	1' x 4'* (2, 4' bulbs)		2' x 4' (4, 4' bulbs)		1' x 8' (1, 8' bulb)		2' x 8' (2, 8' bulbs)		4' x 8' (4, 8' bulbs)	
	No. of Fixtures	No. of Ballasts	No. of Fixtures	No. of Ballasts	No. of Fixtures	No. of Ballasts	No. of Fixtures	No. of Ballasts	No. of Fixtures	No. of Ballasts
1	7	14	134	268	4	4	166	332	86	172
2	16	32	355	710	25	25	none	none	none	none
3	none	none	69	138	25	25	none	none	none	none
4	3	6	none	none	27	27	none	none	none	none
5	14	28	26	52	27	27	none	none	none	none
Totals	40	80	584	1168	108	108	166	332	86	172

*Note: A 1 foot by 4 foot light fixture with 2, 4 foot bulbs

Each fluorescent light fixture contains ballasts that may contain either PCBs or di(2-ethylhexyl)phthalate (DEHP) in the capacitors. Table 3-1 presents the quantity of ballasts associated with each fixture type encountered in each building. The following list summarizes the number and size of ballasts associated with each fixture size:

- 1 foot x 4 foot fixture - contains 2 small size ballasts (approx. 14" long, 2.5" wide, 1.5" high)
- 2 foot x 4 foot fixture - contains 2 medium size ballasts (approx. 16" long, 3" wide, 2" high)
- 1 foot x 8 foot fixture - contains 1 large size ballast (approx. 18" long, 3" wide, 3" high)
- 2 foot x 8 foot fixture - contains 2 medium size ballasts (approx. 16" long, 3" wide, 2" high)
- 4 foot x 8 foot fixture - contains 2 large size ballasts (approx. 18" long, 3" wide, 3" high)

High Intensity Discharge (HID) Lights

A total of seventeen (17) HID lights containing mercury vapor were located at the exterior portions of Buildings 1, 2, and 3. Building 1 contained 4 HID lights, Building 2 contained 7 lights, and Building 3 contained 6 lights. No HID lights were detected at Buildings 4 and 5.

3.1.2 Batteries

Batteries contained in EXIT signs, emergency lights, and alarm control boxes identified within the ABC facility may contain lead-acid. As presented in Table 3-2, a total of 25 EXIT signs, 47 emergency lights, and 16 alarm control boxes were encountered within the five buildings.

Table 3-2
Summary of Items Containing Battery Units

Building No.	Number of Items with Battery Units		
	EXIT Signs	Emergency Lights	Alarm Control Boxes
1	12	27	12
2	7	14	none
3	2	4	none
4	2	2	2
5	2	none	2
Totals	25	47	16

3.1.3 Mercury-Containing Items

Thermostats

A total of 82 thermostats containing mercury were identified within the five buildings. Eighteen (18) soft-contact switches were detected only in Building 1. Table 3-2 presents a summary of the thermostats identified by manufacturer. A total of eight (8) thermostats manufactured by Accustat not containing mercury were also encountered (three in Building 1, two in Building 2, and three in Building 5).

Table 3-3
Summary of Mercury-Containing Thermostats

Building No.	Quantity of Thermostats Identified by Manufacturer				
	Honeywell	Trane	MH	Carrier	Aztec
1	23	1	1	6	none
2	14	none	none	19	8
3	5	1	none	none	none
4	2	none	1	none	none
5	1	none	none	none	none
Totals	45	2	2	25	8

Soft-Contact Switches

A total of 18 soft-contact switches containing mercury were encountered throughout Building 1. None of the other four buildings contain soft-contact switches.

3.1.4 Smoke and Motion Detectors

Smoke and motion detectors identified within the ABC facility may contain a small amount of radioactive material and batteries. A total of 20 smoke detectors and 49 motion detectors were encountered within the five ABC buildings as shown in Table 3-4.

Table 3-4
Summary of Smoke and Motion Detectors

Building No.	Quantity and Type of Detectors	
	Smoke Detectors	Motion Detectors
1	5	4
2	10	2
3	5	41
4	none	1
5	none	1
Totals	20	49

3.1.5 AC and Refrigeration Equipment

Refrigeration equipment, air conditioners, and drinking water fountains that may contain CFCs were identified within the ABC facility. The various types of equipment that were noted are summarized in Table 3-5.

Table 3-5
Summary of AC and Refrigeration Equipment

Building No.	Type of Equipment / Manufacturer	Location	Quantity
1	Closet size AC / CARRIER	NW corner of office extension	1
	Large size AC air handling and fan housing units with compressors / CARRIER	NE and SE mechanical rooms	2
	Large size refrigerating machine / CARRIER	On roof	2
	Drinking Water Fountains	West side of office hallway and East central exit hallway of former lathe area	2
2	Closet size AC / CARRIER	SW corner of office area	1
	Large size AC air handling and fan housing units with compressors / CARRIER	East side exterior mechanical room	1
	Large size refrigerating machine / CARRIER	On roof	2
	Drinking Water Fountains	SE corner of former mill room and West side of office hallway	2
3	Cooling fan units / RHEEM HIGH EFFICIENCY	Exterior north side of building	4
	Air cooled condensor / TRANE	Exterior north side of building	1
	Air refrigerant condensor / TRANE	Exterior north side of building	1
	Fan coil unit / AMERICAN STANDARD	Exterior north side of building	1
	Wall-mounted electric cooling unit / AMMANA	South side of oil/coolant storage room	1
	Large size AC air handling and fan housing unit / TRANE	South side of oil/coolant storage room	1
	Drinking Water Fountain	East wall of former tool room	1
4	Fan coil unit / AMERICAN STANDARD	On roof	1
5	Cooling fan units / RHEEM HIGH EFFICIENCY	On roof	4
	Wall-mounted electric cooling unit / AMMANA	East wall of room directly south of former plating room	1

3.1.6 Electrical Equipment

A total of 5 main electrical panels were identified within the ABC facility as identified in Table 3-6. Some of these panels may contain PCBs within the electrical wrap and were sampled as discussed in Section 3.5. In addition, a total of three transformers are located at the southeast corner of Building 1. The transformers are owned by Florida Power and Light and do not contain PCBs. A dry type transformer is located at the north wall of the former milling area in Building 1. No generators are present at the ABC facility.

Table 3-6
Summary of Electrical Equipment

Building No.	Type of Equipment	Location	Quantity
1	Main distribution electrical panel	NE mechanical room and SE mechanical room	2
	Florida Power and Light transformers	Southeast corner of building	3
	Magnatek Jefferson dry type transformer	North wall of former milling area	1
2	Main distribution electrical panel	Exterior east side mechanical room	1
3	Main distribution electrical panel	West wall of former lunch room	1
5	Main distribution electrical panel	First room south of former laboratories	1

3.1.7 Subsurface Features

Various types of subsurface features, including floor drains, sumps, and machine pits were identified within three buildings of the ABC facility. Some of these items were based on the former contents and use - see Section 3.5. Table 3-6 summarizes the types, sizes and locations of subsurface features encountered within the facility.

Table 3-7
Summary of Subsurface Features

Building No.	Feature	Approximate Size	Location
2	Machine Pit	20' x 30' x 1' deep	Southwest corner of former mill room
3	Sump*	2' diameter, 4' deep	Former grinding room
	Floor Drain*	16" - 18" deep	Former grinding room
5	Sump No. 1	2.5' x 4' x 4'	Outside west wall of former laboratories
	Sump No. 2	4' diameter, 8' deep	Former Lancy Treatment System area
	Sump No. 3	3' diameter, 8' deep	Former Lancy Treatment System area
	Sump No. 4	3' diameter, 8' deep	Former Lancy Treatment System area
	Sump No. 5*	2.5' x 7' x 6'	Chemical storage area
	Sump No. 6	2.5' x 7' x 6'	Chemical storage area
	Floor Drain No. 1	16" - 18" deep	Former anodizing room
	Floor Drain No. 2	16" - 18" deep	Former anodizing room
	Floor Drain No. 3	16" - 18" deep	Former plating room
	Floor Drain No. 4	16" - 18" deep	Former kiln room
	Floor Drain No. 5	16" - 18" deep	Former kiln room

*Dry

At the time of sampling, it was noted that all sumps had been previously pumped out and contents were placed in drums pending appropriate disposal. Only those sumps containing residual liquids (which appeared to be rainwater) were sampled.

3.2 ASBESTOS SURVEY

A total of 151 samples of suspect asbestos containing material (ACM) were collected from the five ABC buildings. Generally, the areas sampled included ceilings, roofs, floor material, pipe insulation, and wall materials. Based on the analytical data, only 22 of the 151 samples detected ACM. The results of the asbestos sampling are presented according to building in the following subsections. Percent asbestos is presented in terms of morphology and content.

3.2.1 Building 1

A total of 76 samples of suspect ACM were collected and analyzed by PLM. Based on the analytical data, 16 samples reported chrysotile asbestos ranging from 4 to 40 %. The 16 samples were collected from linoleum flooring, AC compressor pipe insulation, 9"x 9" floor tile, roof base flashing and roof penetration mastic. All sample locations and analytical results are summarized in Table 3-8 with shaded areas indicating confirmed asbestos. Figures 3-1 and 3-2 present the asbestos sampling locations and confirmed asbestos for the interior of Building 1. Similarly, Figures 3-3 and 3-4 show the sampling locations and areas of confirmed asbestos for the roof and exterior walls of Building 1.

Table 3-8
Building 1 - Summary of Bulk Sampling and Analysis of Suspect Asbestos Containing Material

Sample No.	Description	Location	Quantity	Asbestos Content
1-616-1	Drywall and Joint Compound	Hallway walls	N/A	NAD
1-616-2	Drywall and Joint Compound	Hallway walls	N/A	NAD
1-616-3	Drywall and Joint Compound	Hallway walls	N/A	NAD
1-616-4	2'x4' Acoustical ceiling panels (style #1)	Throughout the building	N/A	NAD
1-616-5	2'x4' Acoustical ceiling panels (style #1)	Throughout the building	N/A	NAD
1-616-6	2'x4' Acoustical ceiling panels (style #1)	Throughout the building	N/A	NAD
1-616-7	2'x4' Acoustical ceiling panels (style #2)	Throughout the building	N/A	NAD
1-616-8	2'x4' Acoustical ceiling panels (style #2)	Throughout the building	N/A	NAD
1-616-9	2'x4' Acoustical ceiling panels (style #2)	Throughout the building	N/A	NAD
1-616-10	2'x4' Acoustical ceiling panels (style #3)	Limited to 4 rooms	N/A	NAD
1-616-11	2'x4' Acoustical ceiling panels (style #3)	Limited to 4 rooms	N/A	NAD
1-616-12	2'x4' Acoustical ceiling panels (style #3)	Limited to 4 rooms	N/A	NAD
1-616-13	Textured material on concrete block walls	Hallways	N/A	NAD
1-616-14	Textured material on concrete block walls	Hallways	N/A	NAD
1-616-15	Textured material on concrete block walls	Hallways	N/A	NAD
1-616-16a 1-616-16b	12"x12" acoustical ceiling / wall tiles and brown adhesive dabs	On ceilings and walls	N/A	NAD
1-616-17a 1-616-17b	12"x12" acoustical ceiling / wall tiles Brown adhesive dabs	On ceilings and walls	N/A	NAD NAD
1-616-18a 1-616-18b	12"x12" acoustical ceiling / wall tiles Brown adhesive dabs	On ceilings and walls	N/A	NAD NAD
1-616-19a 1-616-19b	Yellow linoleum and backing Mastic	Hallways	N/A	NAD NAD
1-616-20a 1-616-20b	Yellow linoleum and backing Mastic	Hallways	N/A	NAD NAD
1-616-21a 1-616-21b	Yellow linoleum and backing Mastic	Hallways	N/A	NAD NAD
1-616-22a 1-616-22b	6" Vinyl baseboard Mastic	Throughout	N/A	NAD NAD
1-616-23a 1-616-23b	6" Vinyl baseboard Mastic	Throughout	N/A	NAD NAD
1-616-24a 1-616-24b	6" Vinyl baseboard Mastic	Throughout	N/A	NAD NAD
1-616-25a 1-616-25b	4" Vinyl baseboard Mastic	Throughout	N/A	NAD NAD

Table 3-8 (Continued)
Building 1 - Summary of Bulk Sampling and Analysis of Suspect Asbestos Containing Material

Sample No.	Description	Location	Quantity	Asbestos Content
1-616-26a 1-616-26b	4" Vinyl baseboard Mastic	Throughout	N/A	NAD NAD
1-616-27a 1-616-27b	4" Vinyl baseboard Mastic	Throughout	N/A	NAD NAD
1-616-28	Light brown, rock pattern linoleum floor and mastic	Northwest area of building	2,700 sq.ft.	40% Chrysotile
1-616-29	Light brown, rock pattern linoleum floor and mastic	Northwest area of building	2,700 sq.ft.	40% Chrysotile
1-616-30	Light brown, rock pattern linoleum floor and mastic	Northwest area of building	2,700 sq.ft.	40% Chrysotile
1-616-31	Terrazzo flooring	NW bathrooms	N/A	NAD
1-616-32	Terrazzo flooring	NW storage room	N/A	NAD
1-616-33	Terrazzo flooring	NW telephone room	N/A	NAD
1-616-34	Above ceiling insulation	Scattered throughout	N/A	NAD
1-616-35	Above ceiling insulation	Scattered throughout	N/A	NAD
1-616-36	Above ceiling insulation	Scattered throughout	N/A	NAD
1-616-37	Thermal system insulation - AC compressor pipe elbow and run	AH room near former Be vacuum system #2	12 linear feet	10% Chrysotile
1-616-38	Thermal system insulation - AC compressor pipe elbow and run	AH room near former Be vacuum system #2	12 linear feet	10% Chrysotile
1-616-39	Thermal system insulation - AC compressor pipe elbow and run	AH room near former Be vacuum system #2	12 linear feet	10% Chrysotile
1-616-40	White pipe insulation wrap	AH room near former Be vacuum system #2	N/A	NAD
1-616-46a 1-616-46b	9"x9" Floor tile Mastic	Former crib room	600 sq.ft.	15% Chrysotile in Tile; 10% Chrysotile in mastic.
1-616-47a 1-616-47b	9"x9" Floor tile Mastic	Former crib room	600 sq.ft.	15% Chrysotile in Tile; 10% Chrysotile in mastic.
1-616-48a 1-616-48b	9"x9" Floor tile Mastic	Former crib room	600 sq.ft.	15% Chrysotile in Tile; 10% Chrysotile in mastic.
1-618-77	Vapor barrier paper material	Above ceiling in lathe area	N/A	NAD
1-618-78	Exterior textured material on walls	Exterior walls	N/A	NAD
1-618-79	Exterior textured material on walls	Exterior walls	N/A	NAD
1-618-80	Exterior textured material on walls	Exterior walls	N/A	NAD
1-618-81	Exterior textured material on walls	Exterior walls	N/A	NAD

1-618-82	Exterior textured material on walls	Exterior walls	N/A	NAD

Table 3-8 (Continued)
Building 1 - Summary of Bulk Sampling and Analysis of Suspect Asbestos Containing Material

Sample No.	Description	Location	Quantity	Asbestos Content
1-618-85	Roofing material	Tar and felt under bituminous roof sheeting	N/A	NAD
1-618-86	Roofing material	Tar and felt under bituminous roof sheeting	N/A	NAD
1-618-87	Roofing material	Tar and felt under bituminous roof sheeting	N/A	NAD
1-618-88	Roof base flashing	Base of equipment and short parapets	(6" wide) 350 Linear Feet	10% Chrysotile
1-618-89	Roof base flashing	Base of equipment and short parapets	(6" wide) 350 Linear Feet	10% Chrysotile
1-618-90	Roof base flashing	Base of equipment and short parapets	(6" wide) 350 Linear Feet	10% Chrysotile
1-618-91	Built up roofing	Bituminous roof sheeting	N/A	NAD
1-618-92	Built up roofing	Bituminous roof sheeting	N/A	NAD
1-618-93	Roofing mastic	Patch material, at base of pipes, base of equipment, at seams, etc	70 sq ft	10% Chrysotile
1-618-97	Black coating and insulation above drop ceiling	HVAC soft duct joint sealant material	N/A	NAD
1-618-98	Black coating and insulation above drop ceiling	HVAC soft duct joint sealant material	N/A	NAD
1-618-99	Black coating and insulation above drop ceiling	HVAC soft duct joint sealant material	N/A	NAD

NAD = No Asbestos Detected
N/A = Not Applicable

FIGURE 3-1
BUILDING 1 - ASBESTOS SAMPLING LOCATIONS

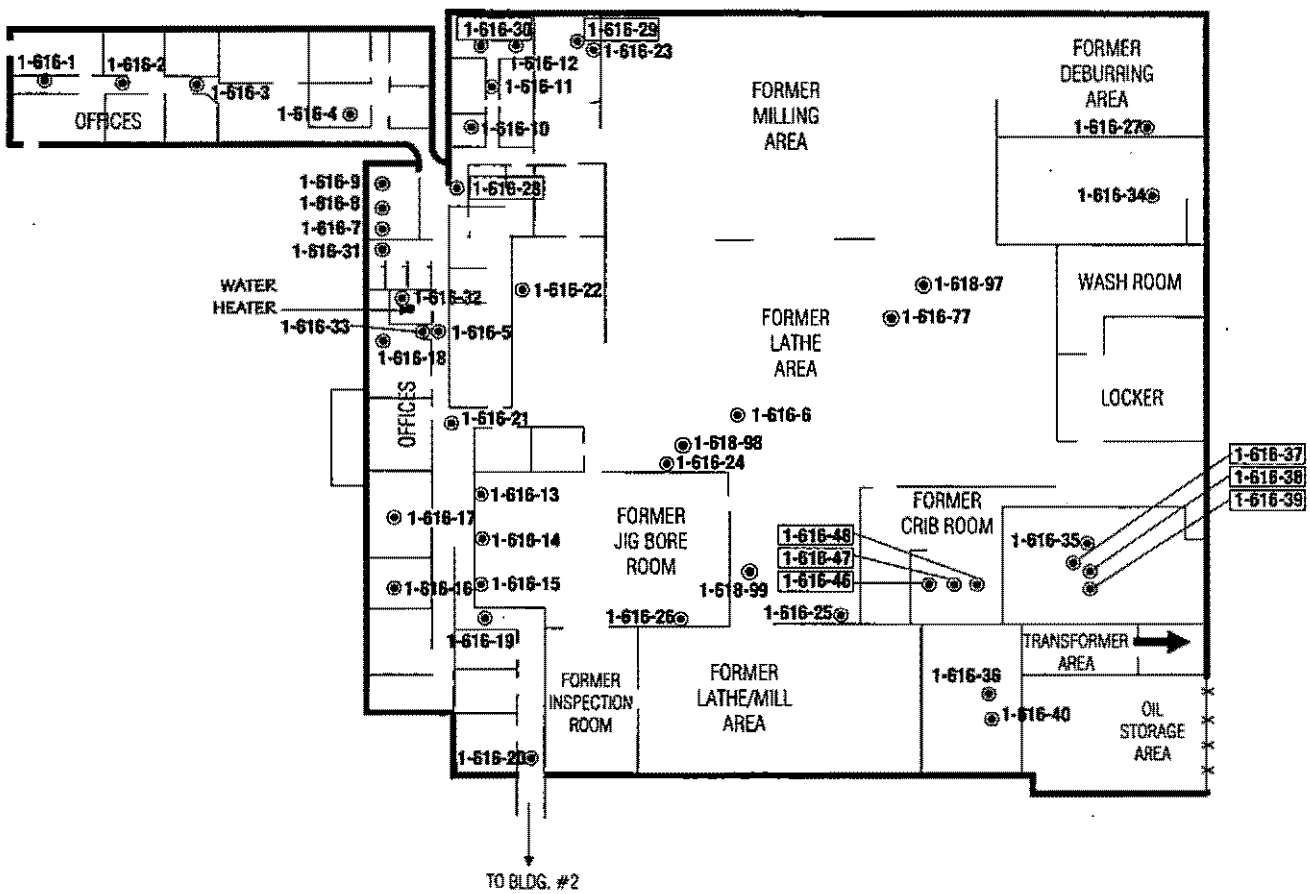
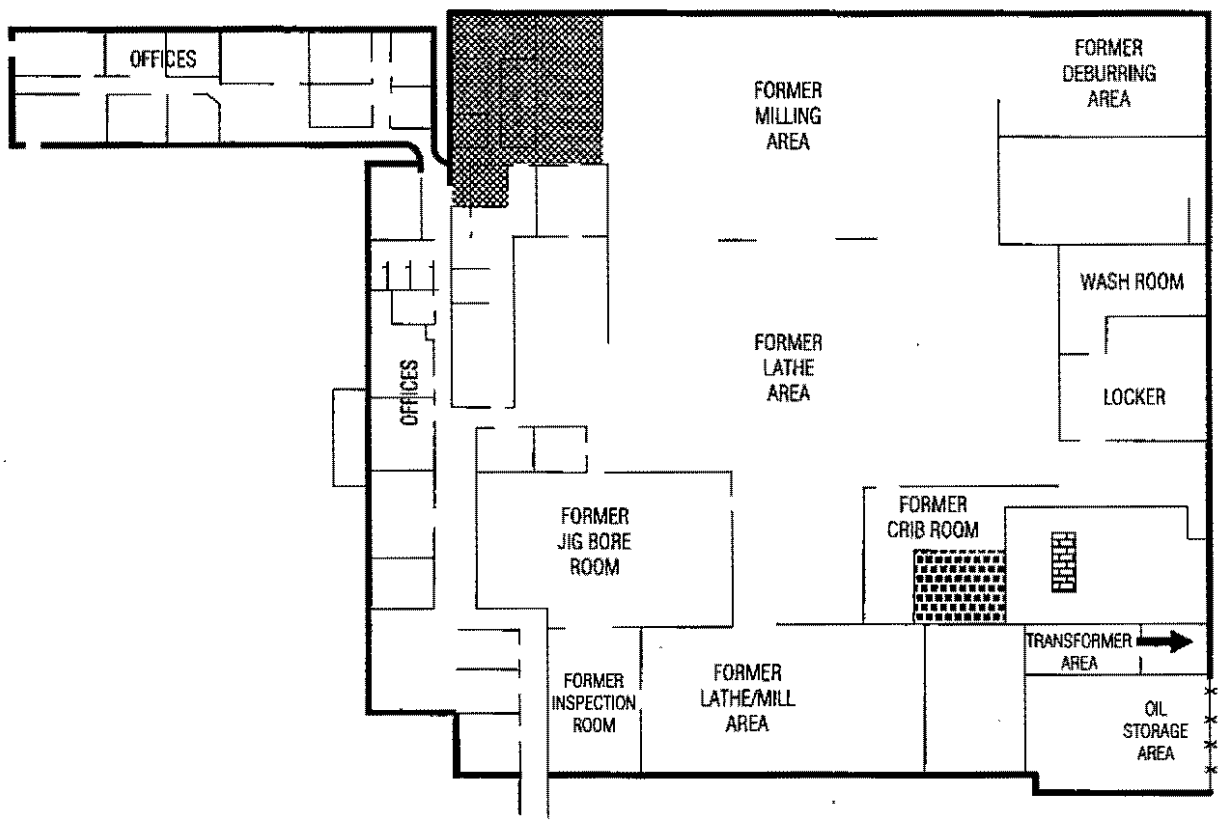
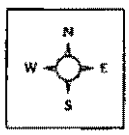


FIGURE 3-2
BUILDING 1 - LOCATION OF CONFIRMED ASBESTOS CONTAINING MATERIAL





0' 40' 80'

SCALE IN FEET

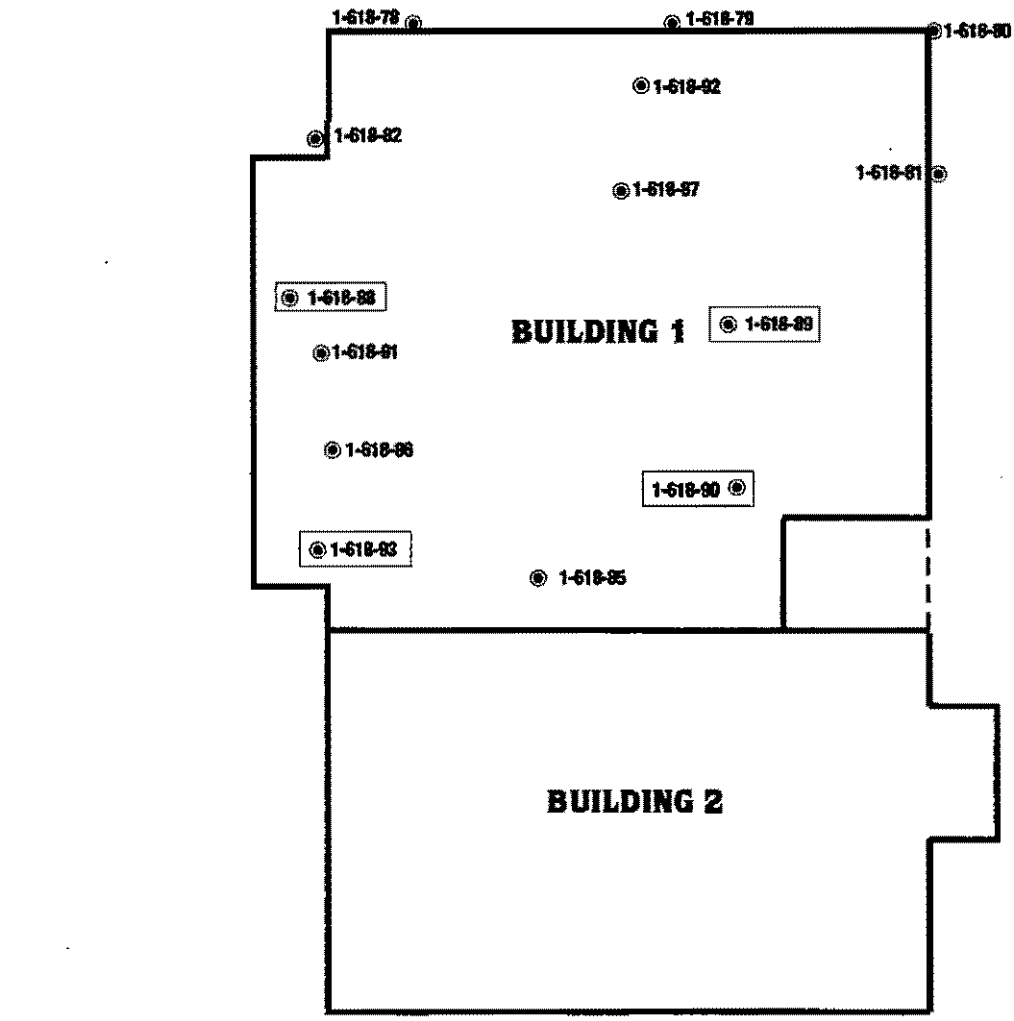
LEGEND

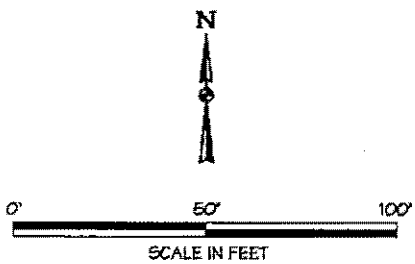
LOCATION OF ASBESTOS CONTAINING LIGHT BROWN ROCK PATTERN LINOLEUM FLOOR AND MASTIC

9" X 9" FLOOR TILE & MASTIC

AC COMPRESSOR PIPE ELBOW & RUN INSULATION

FIGURE 3-3
BUILDING 1 - ASBESTOS SAMPLING LOCATIONS (ROOF & EXTERIOR WALLS)



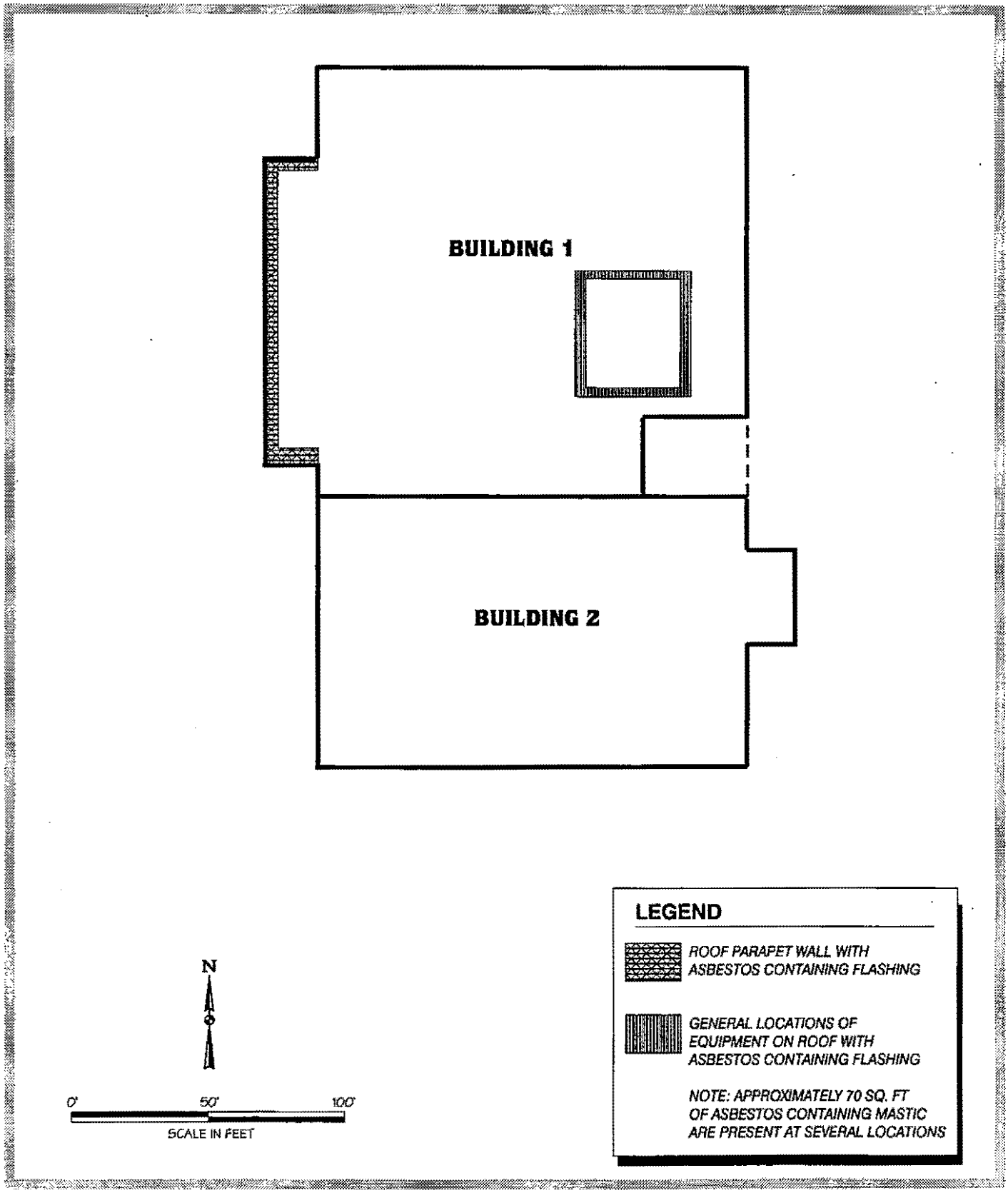


LEGEND

1-618-88 — *BULK SAMPLE LOCATIONS FOR SUSPECT ASBESTOS CONTAINING MATERIALS (ROOF & EXTERIOR WALLS)*

1-618-88 — *CONFIRMED ASBESTOS CONTAINING BULK SAMPLE LOCATION*

FIGURE 3-4
BUILDING 1 -LOCATION OF CONFIRMED ASBESTOS CONTAINING MATERIAL (ROOF & EXTERIOR WALLS)



3.2.2 Building 2

A total of 22 samples of suspect ACM were collected and analyzed by PLM. Based on the analytical data, two samples reported chrysotile asbestos at 30 % in the sheet flooring and 4 % in the adhesive behind the wall panels. All sample locations and analytical results are summarized in Table 3-9 with shaded areas indicating confirmed asbestos. Figures 3-5 and 3-6 present the asbestos sampling locations and confirmed asbestos for the interior of Building 2. Figure 3-7 shows the sampling locations for the exterior walls of Building 2.

Table 3-9
Building 2 - Summary of Bulk Sampling and Analysis of Suspect Asbestos Containing Material

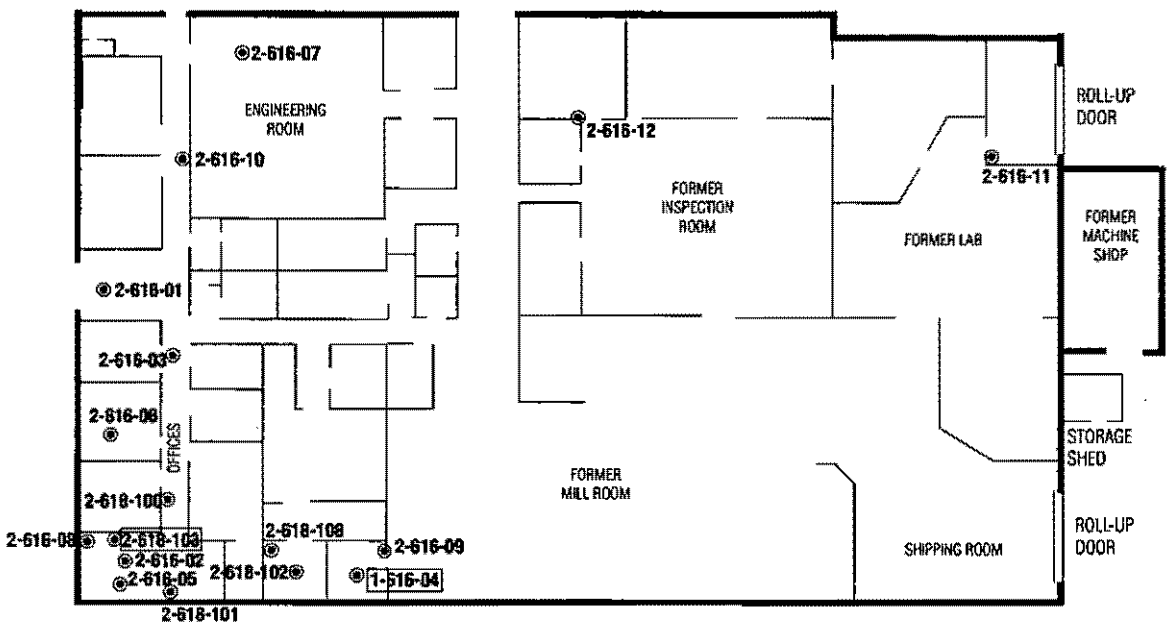
Sample No.	Description	Location	Quantity	Asbestos Content
2-616-01	Brown square pattern resilient sheet flooring	West lobby entrance	N/A	NAD
2-616-02	Red caulking on AC ducts above ceiling	At air duct joints	N/A	NAD
2-616-03a 2-616-03b	Tan / yellow linoleum with small dots	Hallways	N/A	NAD
2-616-04a 2-616-04b	Tan stone pattern resilient sheet flooring Mastic	Former inspection room, north section of former lab, SE corner of former lab, small room to the west of the machine pit	3,300 sq.ft.	30% Chrysotile in flooring; NAD in mastic
2-616-05	2'x4' Acoustical ceiling panels	Throughout	N/A	NAD
2-616-06	2'x4' Acoustical ceiling panels	Throughout	N/A	NAD
2-616-07	2'x4' Acoustical ceiling panels	Throughout	N/A	NAD
2-616-08	Drywall and joint compound	Interior walls	N/A	NAD
2-616-09	Drywall and joint compound	Interior walls	N/A	NAD
2-616-10	Drywall and joint compound	Interior walls	N/A	NAD
2-616-11	Drywall and joint compound	Interior walls	N/A	NAD
2-616-12	Drywall and joint compound	Interior walls	N/A	NAD
2-618-83	Exterior textured material on walls	Exterior walls	N/A	NAD
2-618-84	Exterior textured material on walls	Exterior walls	N/A	NAD
2-618-100a 2-618-100b	4" Vinyl baseboard Mastic in hallway	West side offices at southern end of main hallway	N/A N/A	NAD NAD
2-618-101	Insulation behind paneled walls	SW corner office room	N/A	NAD
2-618-102	Black mastic at base of stantions	Computer room	N/A.	NAD
1-618-103	Adhesive behind wall panels in SW corner office	Interior walls of west entrance lobby, SW corner office, and the office on the north side of the west entrance lobby	720 sq.ft.	4% Chrysotile
2-618-108	AC compressor line black insulation	Computer room	N/A	NAD

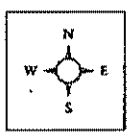
NAD = No Asbestos Detected
N/A = Not Applicable

FIGURE 3-5
BUILDING 2 - ASBESTOS SAMPLING LOCATIONS

LEGEND

- ◉ 1-616-01 — *BULK SAMPLE LOCATIONS FOR SUPSECT ASBESTOS CONTAINING MATERIAL*
- 1-616-04 — *CONFIRMED ASBESTOS CONTAINING BULK SAMPLE LOCATION*





0' 40' 80'

SCALE IN FEET

FIGURE 3-6
BUILDING 2 - LOCATION OF CONFIRMED ASBESTOS CONTAINING MATERIAL

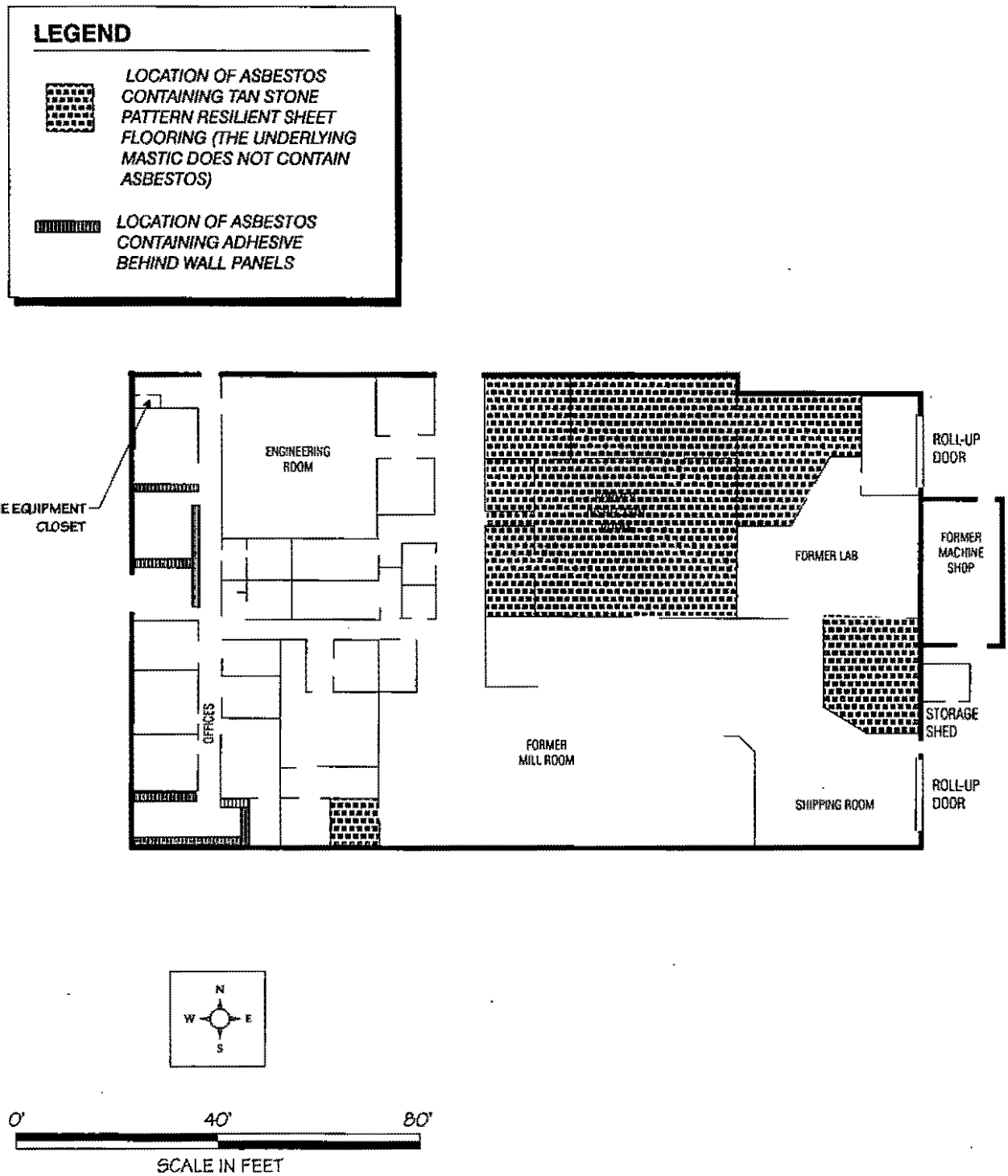
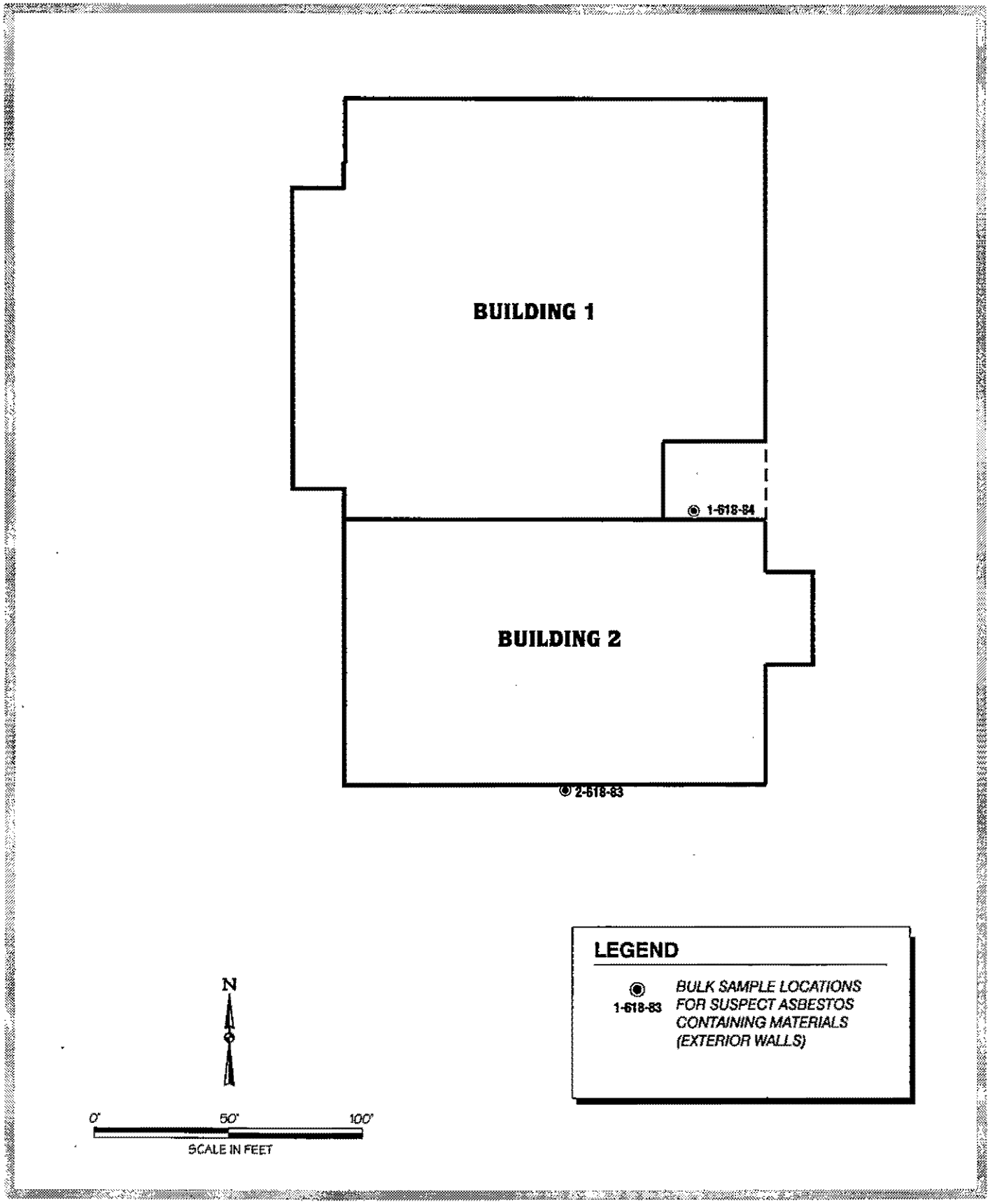


FIGURE 3-7
BUILDING 2 -ASBESTOS SAMPLING LOCATIONS (EXTERIOR WALLS)



3.2.3 Building 3

A total of 20 samples of suspect ACM were collected and analyzed by PLM. Based on the analytical data, only one sample collected from the AC duct insulation and caulking reported chrysotile asbestos at 2 %. All sample locations and analytical results are summarized in Table 3-10. Figure 3-8 presents the asbestos sampling locations for Building 3 and Figure 3-9 shows the areas of confirmed asbestos.

Table 3-10
Building 3 - Summary of Bulk Sampling and Analysis of Suspect Asbestos Containing Material

Sample No.	Description	Location	Quantity	Asbestos Content
1-616-41a 1-616-41b	12"x12" Gray floor tile Mastic	Lunch room	N/A	NAD NAD
1-616-42a 1-616-42b	12"x12" Gray floor tile Mastic	Lunch room	N/A	NAD NAD
1-616-43a 1-616-43b	12"x12" Gray floor tile Mastic	Lunch room	N/A	NAD NAD
1-616-44	Drywall and joint compound	Former high security room	N/A	NAD
1-616-45	Drywall and joint compound	Former inspection room	N/A	NAD
3-617-49	Drywall and joint Compound	Former high security room	N/A	NAD
3-617-50a 3-617-50b	Gray rock pattern linoleum Mastic	Entrance hallway to former high security room and former inspection room	N/A. N/A	NAD NAD
3-617-51a 3-617-51b	Gray rock pattern linoleum Mastic	Entrance hallway to former high security room and former inspection room	N/A N/A	NAD NAD
3-617-52a 3-617-52b	Gray rock pattern linoleum Mastic	Entrance hallway to former high security room and former inspection room	N/A N/A	NAD NAD
3-617-53	Wall insulation	Inside metal walls	N/A	NAD
3-617-54	Wall insulation	Inside metal walls	N/A	NAD
3-617-55	Wall insulation	Inside metal walls	N/A	NAD
3-618-105	AC duct insulation and caulking	Exterior AC duct - north side	56 sq ft.	2% Chrysotile
3-618-106	AC duct expansion joint material	Exterior AC duct - north side	16 linear feet	NAD

NAD = No Asbestos Detected
N/A = Not Applicable

FIGURE 3-8
BUILDING 3 - ASBESTOS SAMPLING LOCATIONS

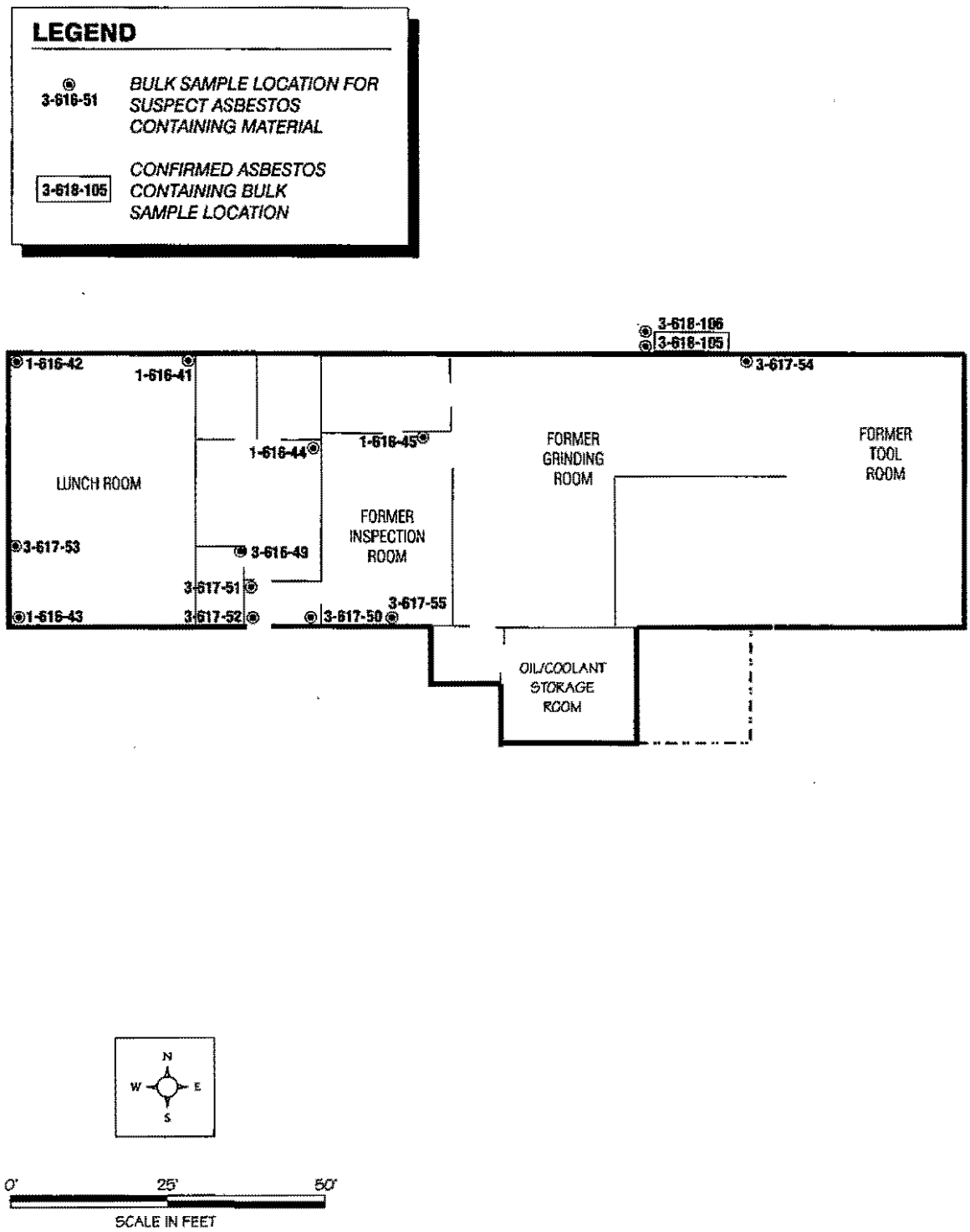
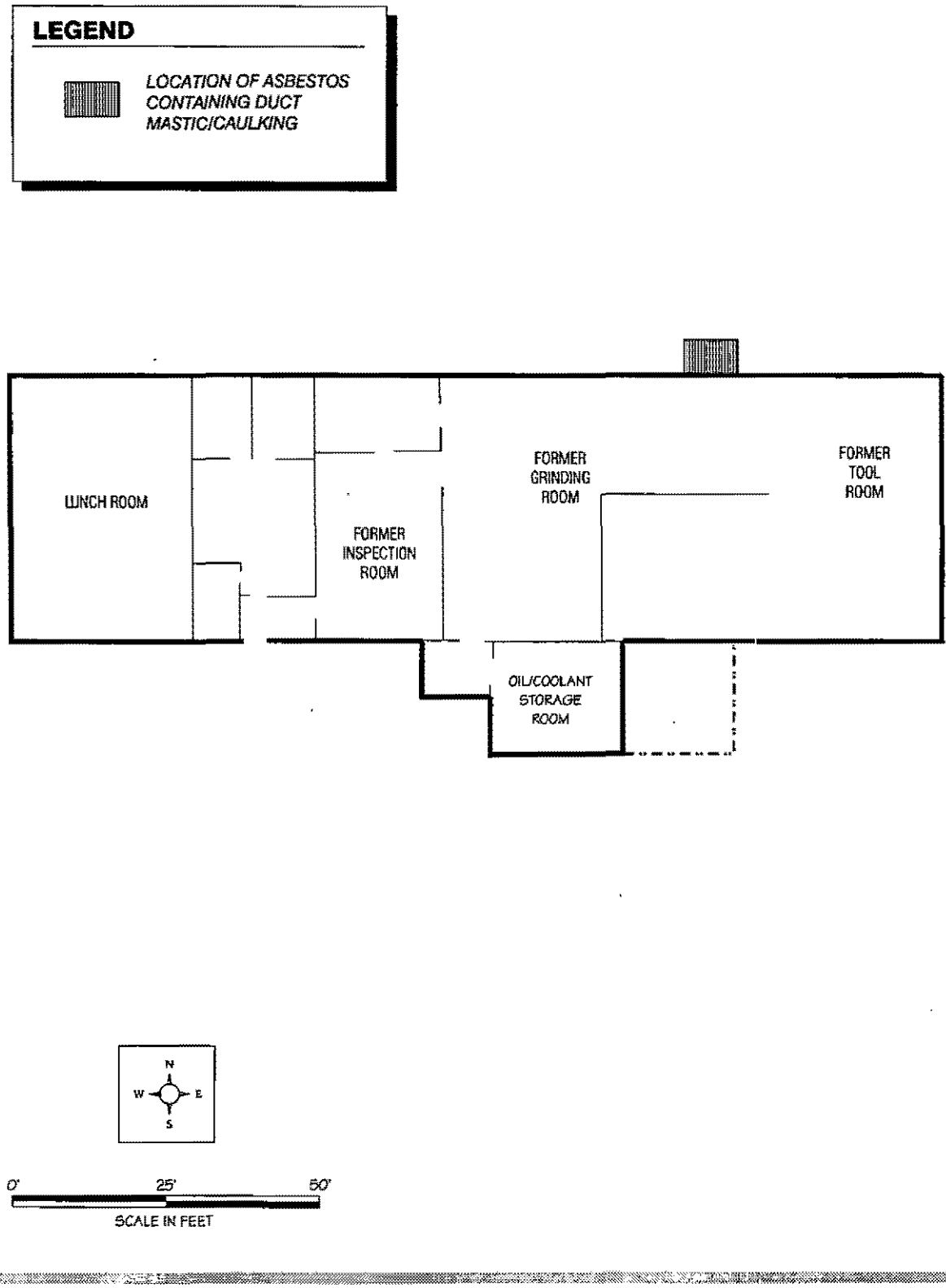


FIGURE 3-9
BUILDING 3 - LOCATION OF CONFIRMED ASBESTOS CONTAINING MATERIAL



3.2.4 Building 4

A total of 2 samples of suspect ACM were collected and analyzed by PLM. Based on the analytical data, none of the samples contained asbestos. All sample locations and analytical results are summarized in Table 3-11. Figure 3-10 presents the asbestos sampling locations for Building 4.

Table 3-11
Building 4 - Summary of Bulk Sampling and Analysis of Suspect Asbestos Containing Material

Sample No.	Description	Location	Quantity	Asbestos Content
4-617-60	2'x4' Acoustical ceiling panel (style #1)	Center area of warehouse	N/A	NAD
2-618-104	AC compressor line black insulation	AH room	2 linear feet	NAD

NAD = No Asbestos Detected
N/A = Not Applicable

3.2.5 Building 5

A total of 31 samples of suspect ACM were collected and analyzed by PLM. Based on the analytical data, three samples collected from 12"x 12" black resilient floor tile reported chrysotile asbestos at 15 %. All sample locations and analytical results are summarized in Table 3-12 with shaded areas indicating confirmed asbestos. Figures 3-10 and 3-11 present the asbestos sampling locations and confirmed asbestos for the interior of Building 5. Figure 3-12 shows the sample locations for the roof of Building 5

Table 3-12
Building 5 - Summary of Bulk Sampling and Analysis of Suspect Asbestos Containing Material

Sample No.	Description	Location	Quantity	Asbestos Content
3-617-56	12"x12" Acoustical ceiling tiles	Former zyglo inspection area	N/A	NAD
3-617-57	12"x12" Acoustical ceiling tiles	Former zyglo inspection area	N/A	NAD
3-617-58	12"x12" Acoustical ceiling tiles	Former zyglo inspection area	N/A	NAD
3-617-59a 3-617-59b	Yellow linoleum and mastic	Former zyglo inspection area	N/A	NAD
4-617-61a 4-617-61b	12"x12" White resilient floor tile Mastic	Former laboratories	N/A	NAD
4-617-62a 4-617-62b	12"x12" White resilient floor tile Mastic	Former laboratories	N/A	NAD
5-617-63a 5-617-63b	12"x12" White resilient floor tile Mastic	Former anodizing room	N/A	NAD
4-617-64	White textured material on walls	Former laboratories	N/A	NAD
4-617-65	White textured material on walls	Former laboratories	N/A	NAD
4-617-66	White textured material on walls	Former laboratories	N/A	NAD
5-617-67	White textured material on walls	Former anodizing room	N/A	NAD
5-617-68a 5-617-68b	12"x12" Black resilient floor tile Mastic	Bathroom	35 sq.ft.	15% Chrysotile in Tile; NAD in Mastic
5-617-69a 5-617-69b	12"x12" Black resilient floor tile Mastic	Bathroom	35 sq.ft.	15% Chrysotile in Tile; NAD in Mastic
5-617-70a 5-617-70b	12"x12" Black resilient floor tile Mastic	Bathroom	35 sq.ft.	15% Chrysotile in Tile; NAD in Mastic
5-617-71	Black mastic on floor	Plating room	N/A	NAD
5-617-72	Black mastic on floor	Plating room	N/A	NAD
5-617-73	Black mastic on floor	Plating room	N/A	NAD
5-617-74	White textured material on walls	Plating room	N/A	NAD
5-617-75	White textured material on walls	Kiln room	N/A	NAD
5-617-76	2'x4' Acoustical ceiling panel (style #1)	Room west of former anodizing room	N/A	NAD
5-618-94	Roofing material	Asphalt roof shingles	N/A	NAD
5-618-95	Roofing material	Asphalt roof shingles	N/A	NAD
5-618-96	Roofing material	Asphalt roof shingles	N/A	NAD
5-618-107	Sink undercoat insulation	Lab room	N/A	NAD

NAD = No Asbestos Detected
N/A = Not Applicable

FIGURE 3-10
BUILDINGS 4 & 5 - ASBESTOS SAMPLING LOCATIONS

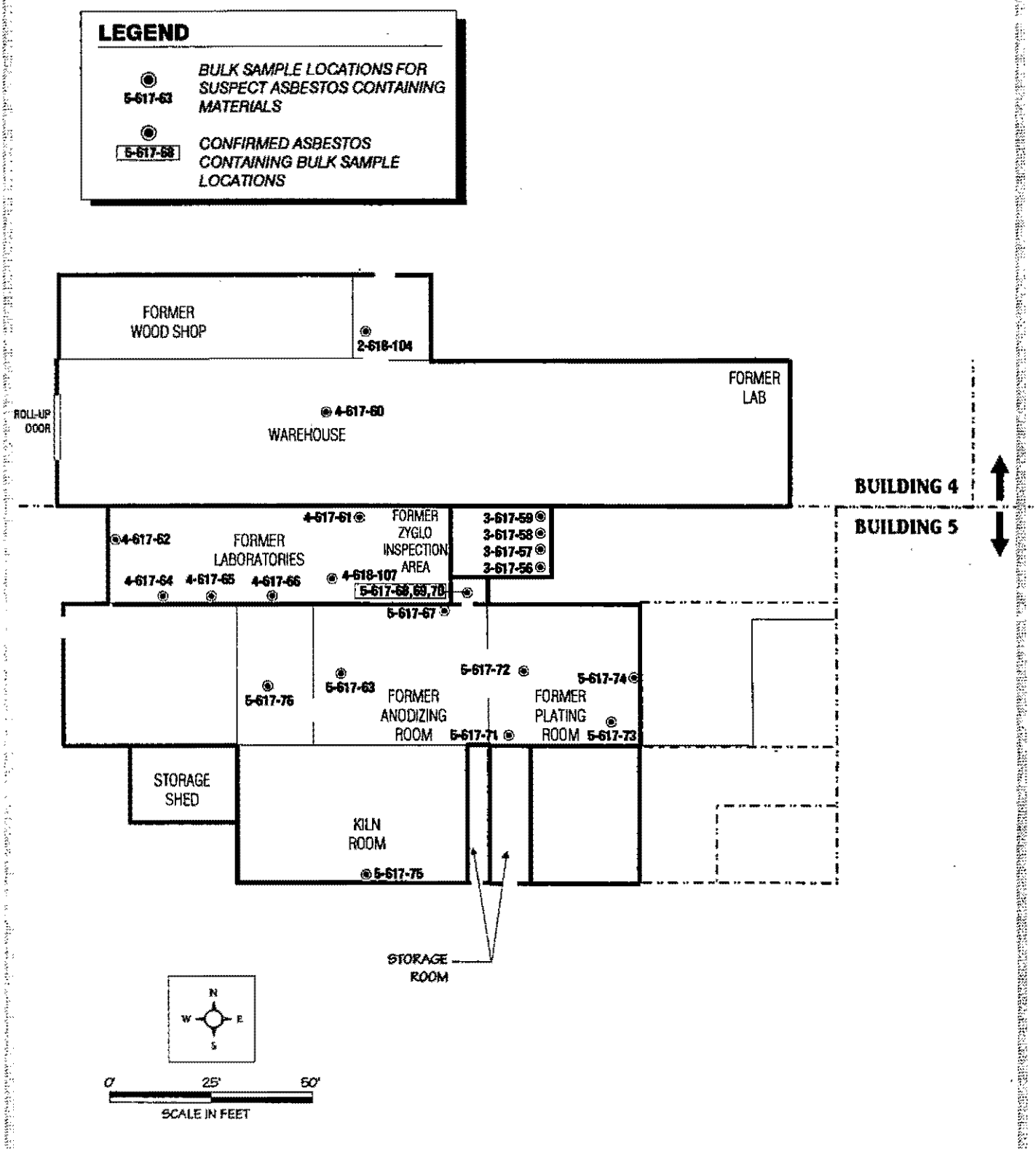


FIGURE 3-11
BUILDING 5 - LOCATION OF CONFIRMED ASBESTOS CONTAINING MATERIAL

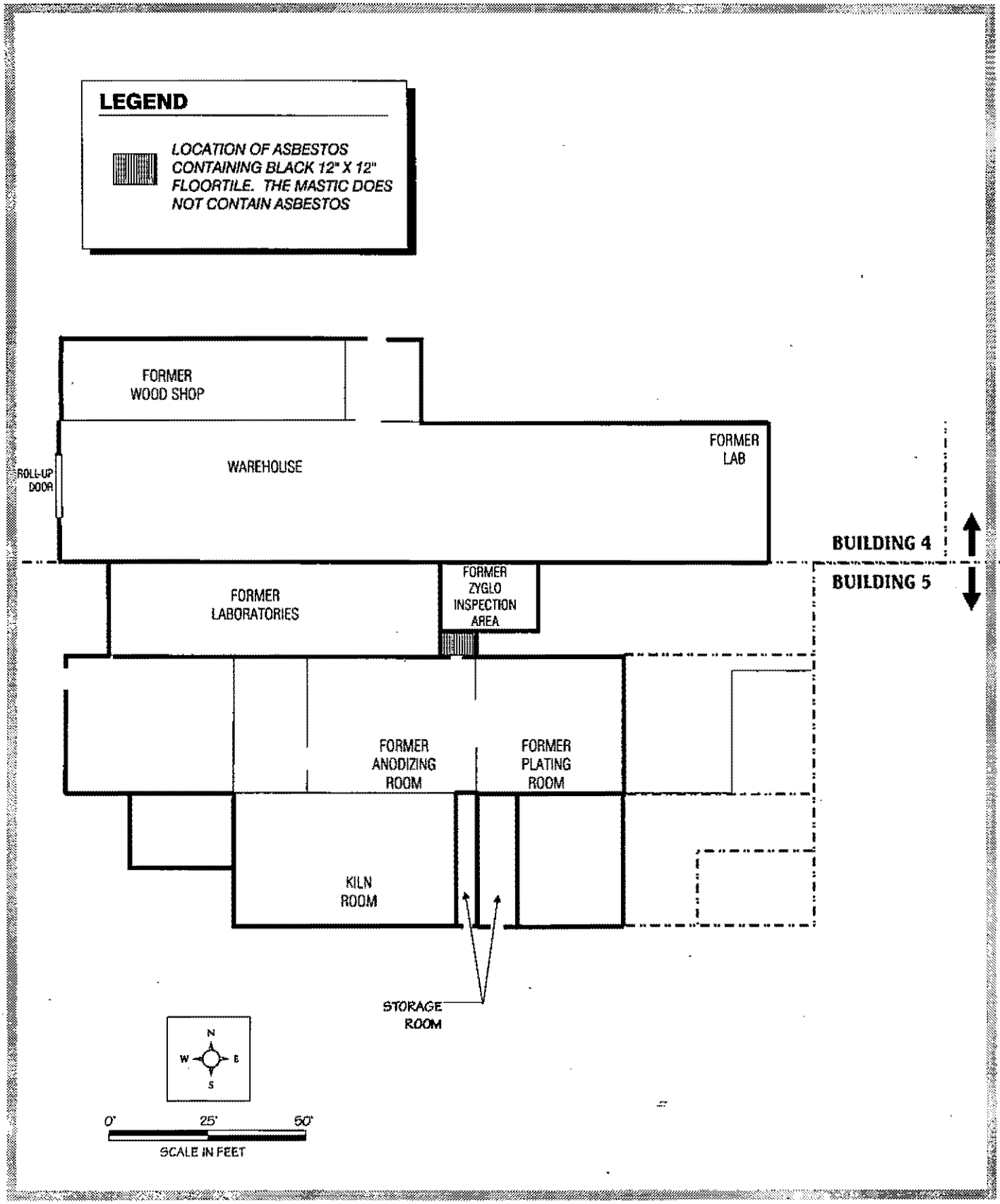
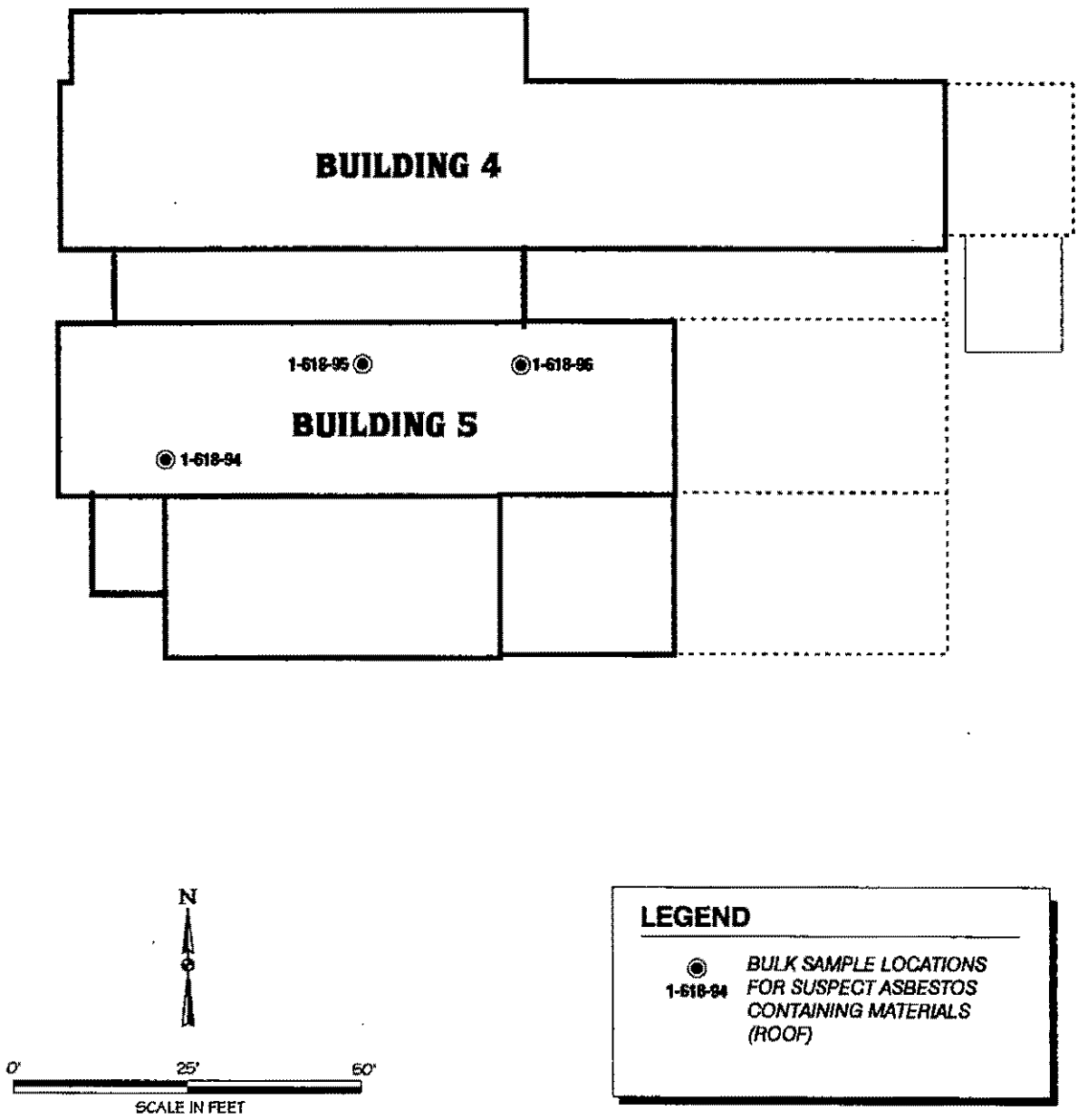


FIGURE 3-12
BUILDING 5 - ASBESTOS SAMPLING LOCATIONS (ROOF)



3.3 LEAD-BASED PAINT SURVEY

A total of 48 paint samples were collected from the five ABC buildings. Generally, the areas sampled included various components and surfaces throughout the interior and exterior building locations. Lead was detected in all samples ranging from 4.4 to 8,100 mg/kg. The results of the lead-based paint survey are presented according to building in the following subsections.

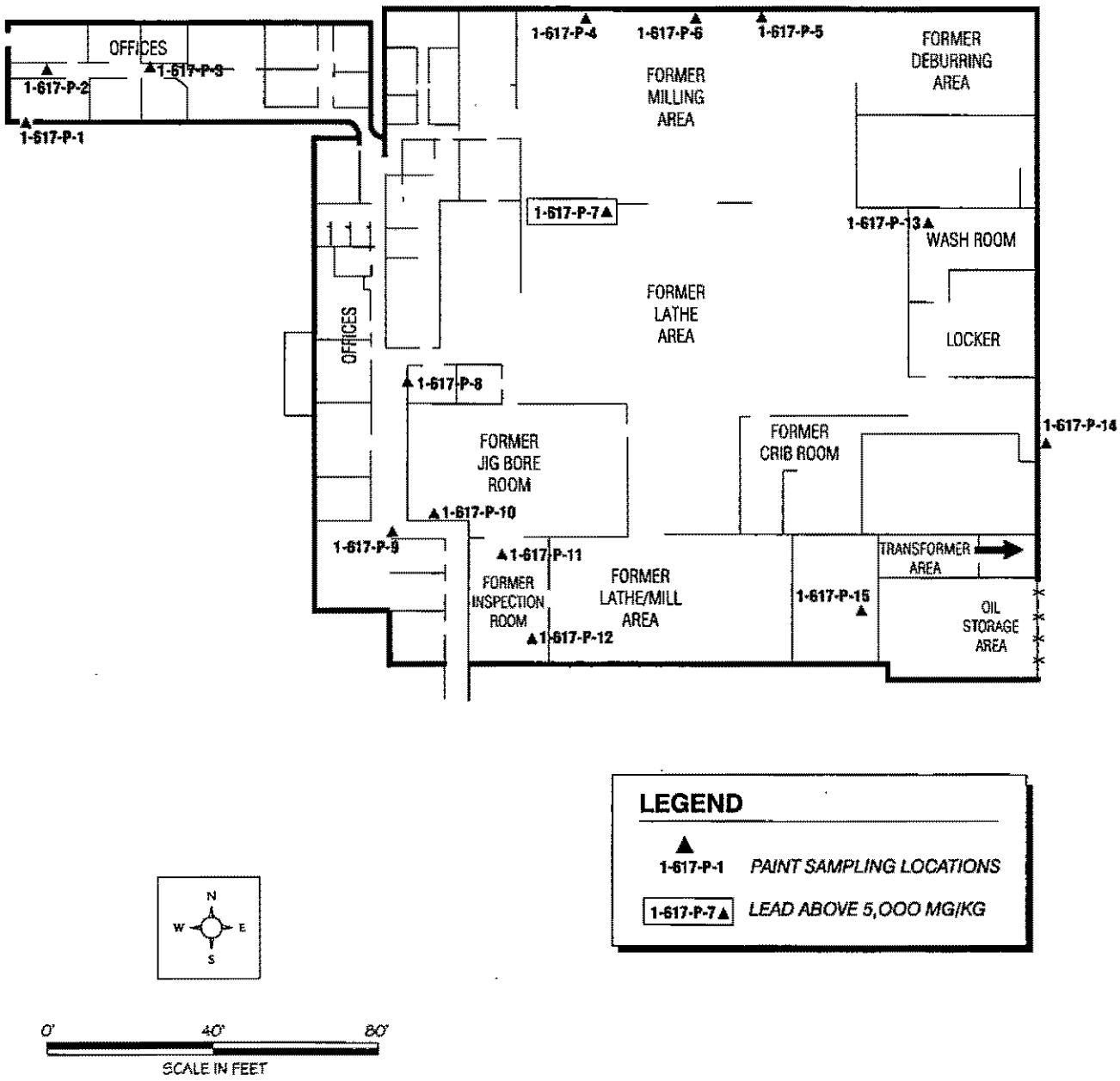
3.3.1 Building 1

A total of 15 paint chip samples were collected and analyzed for lead. Lead was detected at concentrations ranging from less than 5 mg/kg to 8,100 mg/kg in Building 1. One sample collected from the steel columns in the former lathe area contained lead (8,100 mg/kg) greater than the HUD guidelines of 5,000 mg/kg. All sample locations and analytical results are summarized in Table 3-13. Figure 3-13 presents the paint sampling locations for Building 1.

Table 3-13
Building 1 - Summary of Paint Sampling and Analysis for Lead Content

Sample No.	Description	Location	Lead (mg/kg)
1-617-P-1	Door frame and door (white)	Near guard station - NW office wing	8.5
1-617-P-2	Door frame (beige)	Hallway - NW office wing	<30
1-617-P-3	Wall (white)	Hallway - NW office wing	7
1-617-P-4	Walls (white)	North wall of former milling area - typical throughout	390
1-617-P-5	Walls (white)	North wall of former milling area - typical throughout	500
1-617-P-6	Light blue with gray undercoat	North wall of former milling area - observed under the white typical wall paint in Building 1 (not common throughout)	730
1-617-P-7	Steel columns (dark brown)	On steel columns in former lathe area	8,100
1-617-P-8	Walls (white)	On SW corner office walls of the former lathe area - similar to sample #4, and #5	14
1-617-P-9	Walls (cream over yellow)	Hallways - West side office areas	57
1-617-P-10	Walls (orange)	Hallways - west side office areas near former jig bore room	12
1-617-P-11	Floor (gray & green)	Floor - former inspection room (concrete floor)	20
1-617-P-12	Floor (gray)	Floor - former inspection room (concrete floor)	<5
1-617-P-13	Walls (white)	Interior NE wash room walls - typical interior wall paint - similar to samples 4, 5, and 8	1,500
1-617-P-14	Exit door (Orange)	East central perimeter exit door and frame	87
1-617-P-15	Common bar joists (black)	SE air handler room near former Be vacuum system No. 1	960

FIGURE 3-13
BUILDING 1 - LEAD-BASED PAINT SAMPLING LOCATIONS



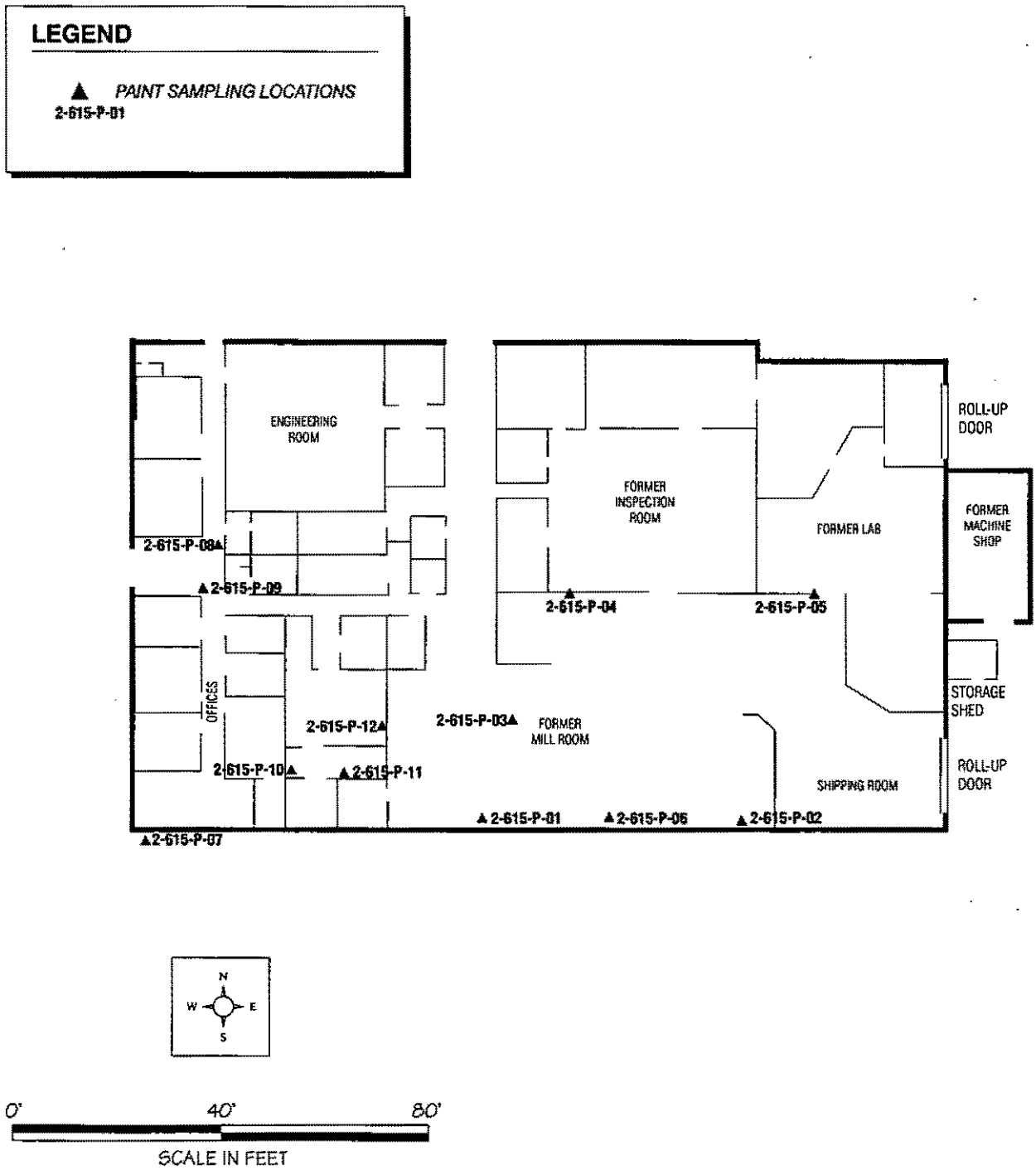
3.3.2 Building 2

A total of 12 paint chip samples were collected from Building 2 and analyzed for lead. Lead was detected at concentrations ranging from 4.4 mg/kg to 3,200 mg/kg in Building 2. No samples exceeded the HUD guidelines of 5,000 mg/kg. All sample locations and analytical results are summarized in Table 3-14. Figure 3-14 presents the paint sampling locations for Building 2.

Table 3-14
Building 2 - Summary of Paint Sampling and Analysis for Lead Content

Sample No.	Description	Location	Lead (mg/kg)
2-615-P-01	Off-white wall paint	Building 2, Former Mill Room, South metal wall	550
2-615-P-02	Off-white wall paint	Building 2, Former Mill Room, South metal wall	470
2-615-P-03	Off-white wall paint	Building 2, Former Mill Room - on wood enclosures around Be PVC pipe enclosure	48
2-615-P-04	Off-white wall paint	Building 2, Former inspection room wall	<5
2-615-P-05	Off-white paint on swinging doors and frame	Building 2, Former Lab	23
2-615-P-06	Beige paint on steel column	Building 2, Former Mill room - South perimeter wall - main support Column	3,200
2-615-P-07	Exterior stucco paint	Building 2, SW corner	7.7
2-615-P-08	Off-white wall paint	Building 2, West side office hallway - drywall paint	<7
2-615-P-09	Off-white paint on door and door frame	Building 2, West side lobby connection to hallway	<5
2-615-P-10	Blue paint on walls	Building 2, SW office area walls	14
2-615-P-11	Blue paint on window frames	Building 2, SW office area interior window	<6
2-615-P-12	Off-white paint	Building 2, SW office area concrete block walls	4.4

FIGURE 3-14
BUILDING 2 -LEAD-BASED PAINT SAMPLING LOCATIONS



3.3.3 Building 3

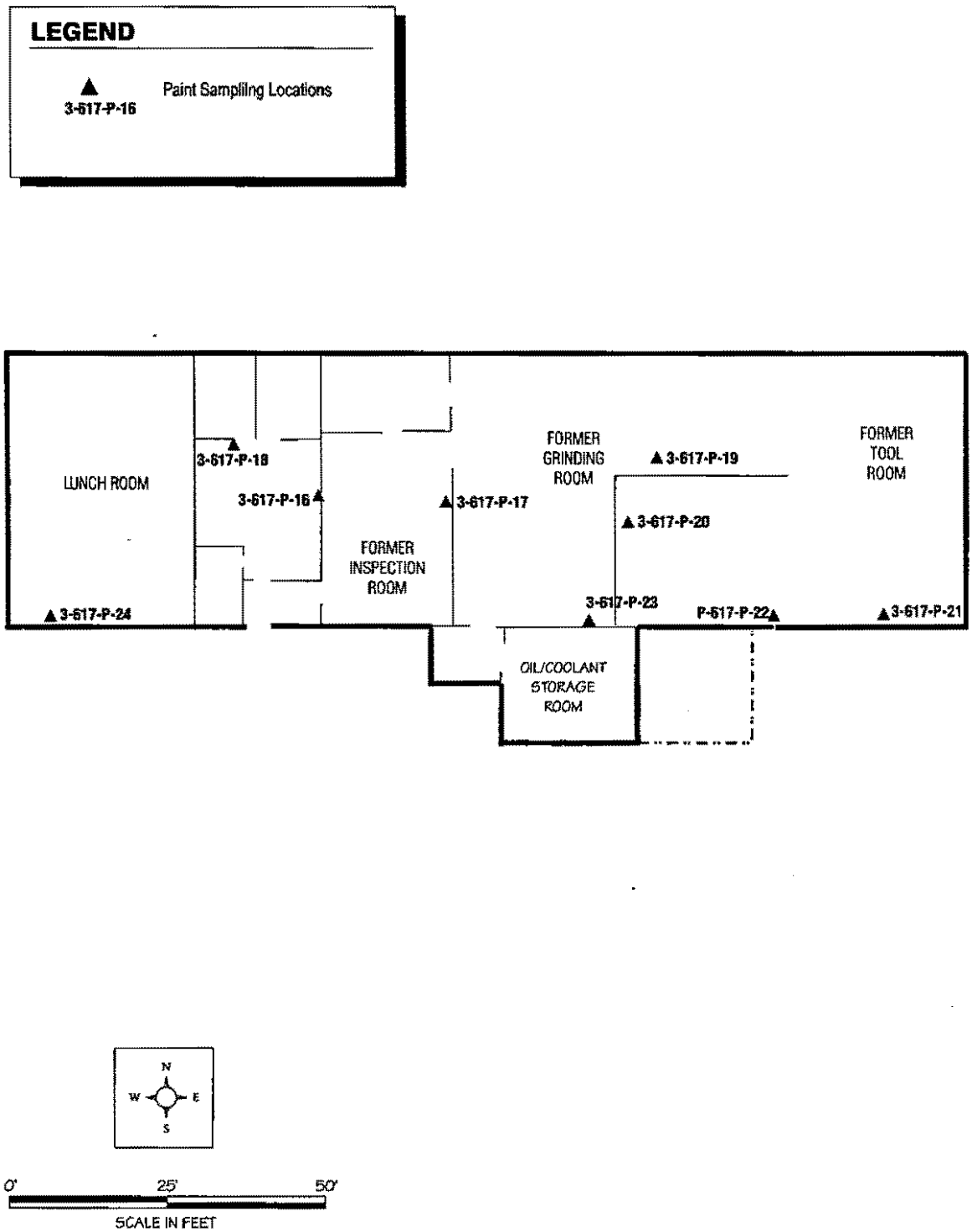
A total of 9 paint chip samples were collected and analyzed for lead. Lead was detected at concentrations ranging from 5.5 mg/kg to 560 mg/kg in Building 3. No samples exceeded the HUD guidelines of 5,000 mg/kg. All sample locations and analytical results are summarized in Table 3-15. Figure 3-15 presents the paint sampling locations for Building 3.

Table 3-15
Building 3 - Summary of Paint Sampling and Analysis for Lead Content

Sample No.	Description	Location	Lead (mg/kg)
3-617-P-16	White walls	Interior former high security room walls - Common interior wall paint for building 3	5.5
3-617-P-17	Cream and gray - common to metal buildings	Building 3, Former inspection room - this paint is similar on metal walls of buildings 3, 4, and 5	92
3-617-P-18	Door frame (white)	Building 3, interior former high security room door frame - same paint as sample No. 16	<20
3-617-P-19	Floor (blue & gray)	Building 3, paint on concrete floor - Former Grinding Room	16
3-617-P-20	HVAC duct (cream)	Building 3, paint on metal air duct - Former Grinding room	170
3-617-P-21	Exit door (blue over white)	Building 3, Former Tool room, SE exit door	44
P-617-P-22	Door and frame (light green)	Building 3, Former Tool Room, SW exit door	16
3-617-P-23	Exit door (brown)	Building 3, Former Tool Room, SW door to Former oil storage room (metal door)	560
3-617-P-24	Exit door (blue)	Building 3, Lunch Room, SW exit door	78

Note: Paint samples were not collected from the steel columns/beams of Building 3, but are suspected to contain lead-based paint

FIGURE 3-15
BUILDING 3 - LEAD-BASED PAINT SAMPLING LOCATIONS



3.3.4 Building 4

A total of 2 paint chip samples were collected and analyzed for lead. Lead was detected at concentrations ranging from 120 mg/kg to 160 mg/kg in Building 4. No samples exceeded the HUD guidelines of 5,000 mg/kg. All sample locations and analytical results are summarized in Table 3-16. Figure 3-16 presents the paint sampling locations for Building 4.

Table 3-16
Building 4 - Summary of Paint Sampling and Analysis for Lead Content

Sample No.	Description	Location	Lead (mg/kg)
4-618-P-25	Walls (cream)	Bldg. 4, interior warehouse walls; Building 4 and 5, typical interior cream colored walls	120
4-618-P-26	Walls (cream)	Bldg. 4, interior warehouse walls; Building 4 and 5, typical interior cream colored walls	160

Note: Paint samples were not collected from the steel columns/beams of Building 4, but are suspected to contain lead-based paint

3.3.5 Building 5

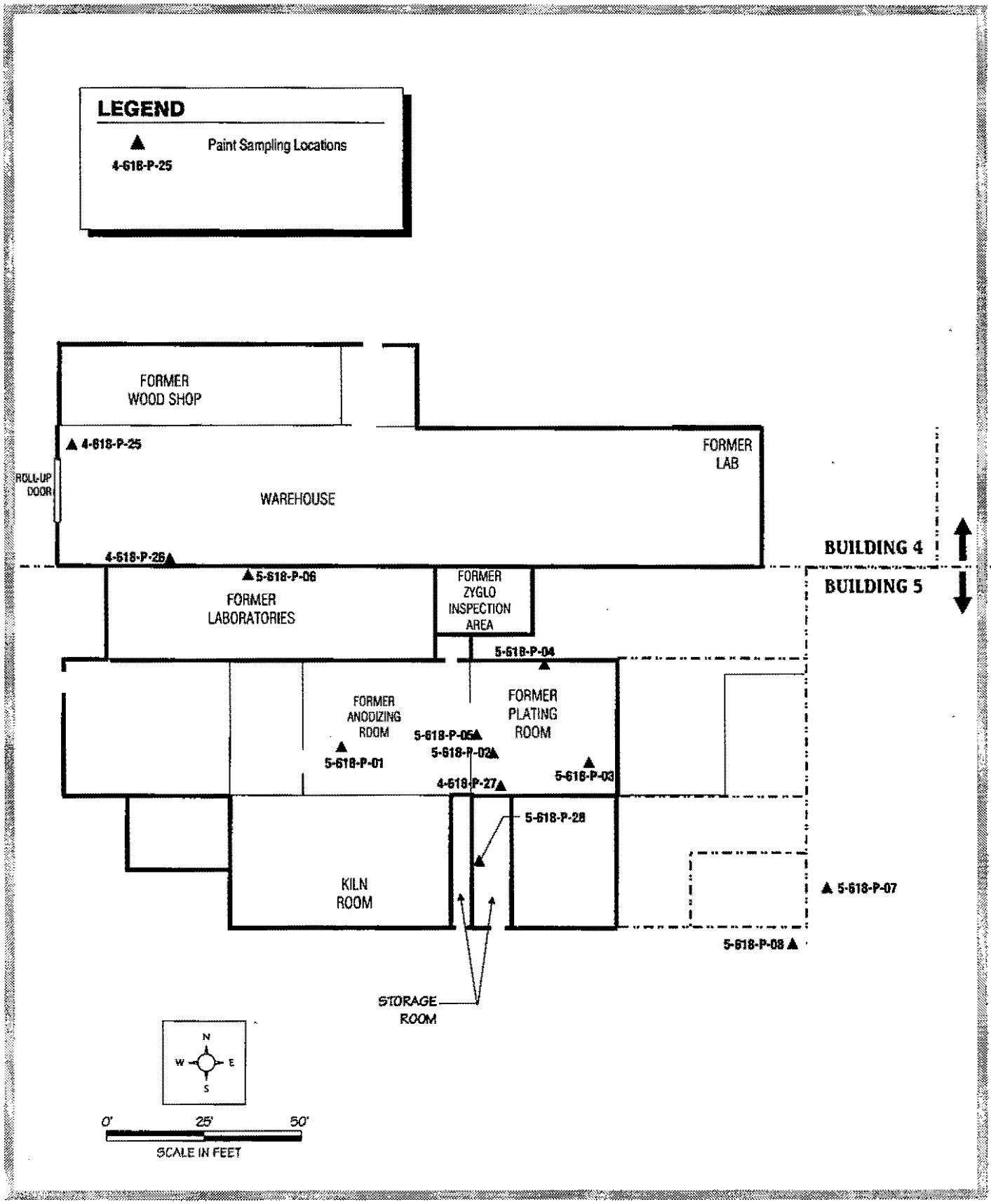
A total of 10 paint chip samples were collected and analyzed for lead. Lead was detected at concentrations ranging from less than 5 mg/kg to 510 mg/kg in Building 5. No samples exceeded the HUD guidelines of 5,000 mg/kg. All sample locations and analytical results are summarized in Table 3-17. Figure 3-16 presents the paint sampling locations for Building 5.

Table 3-17
Building 5 - Summary of Paint Sampling and Analysis for Lead Content

Sample No.	Description	Location	Lead (mg/kg)
5-615-P-01	Gray floor paint	Bldg. 5, former anodizing room	<5
5-615-P-02	Gray floor paint	Bldg. 5, former plating room	15
5-615-P-03	Beige ceiling paint	Bldg. 5, former plating room	150
5-615-P-04	Yellow and white damaged paint	Bldg. 5, former plating room	30
5-615-P-05	Beige door frame	Bldg. 5, between former plating and anodizing rooms	510
5-615-P-06	Beige textured paint	Bldg. 5, former laboratory walls	20
5-615-P-07	Exterior yellow paint on parking posts	Bldg. 5, SE exterior area	8.4
5-615-P-08	Exterior yellow stripe paint on asphalt	Bldg. 5, SE exterior area	10
4-618-P-27	Walls (cream)	Bldg. 5, former plating room; Building 4 and 5, typical interior cream colored walls	11
5-618-P-28	Fire equipment & call boxes (red)	Bldg. 5, in room south of former plating room	8.0

Note: Paint samples were not collected from the steel columns/beams of Building 5, but are suspected to contain lead-based paint

FIGURE 3-16
BUILDINGS 4 & 5 - LEAD-BASED PAINT SAMPLING LOCATIONS



3.4 BERYLLIUM WIPE SAMPLING

A total of 78 wipe samples of surface residues were collected to evaluate the potential presence and concentration of beryllium within the ABC facility. Generally, the areas sampled included ceilings, exhaust stacks, PVC pipe vacuum collection systems, and walls of floor drains and sumps. Beryllium was detected in all 78 wipe samples ranging from 4.1 $\mu g/ft^2$ to a maximum of 120,000 $\mu g/ft^2$. The results of the wipe sampling are presented according to building in the following subsections.

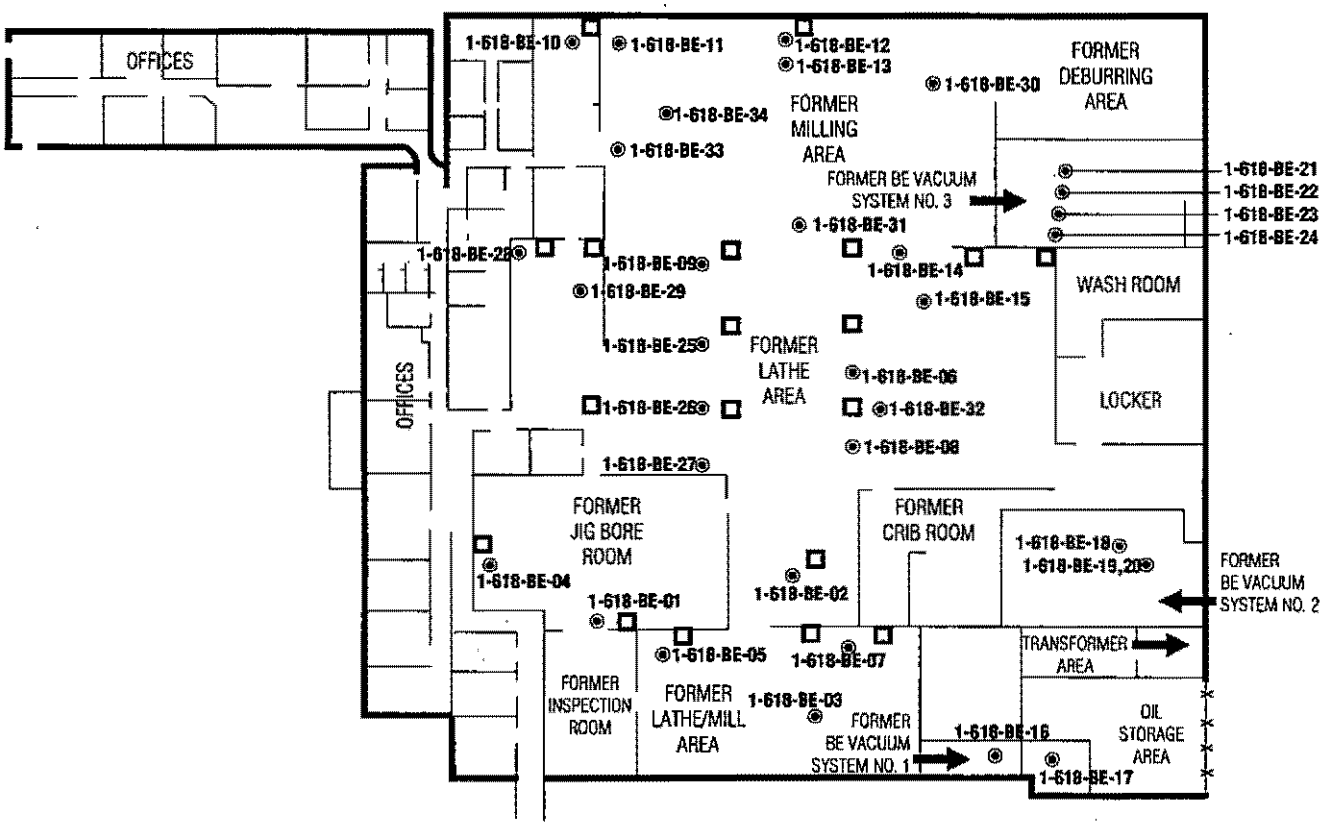
3.4.1 Building 1

A total of 34 wipe samples of surface residues were collected and analyzed for beryllium. Beryllium was detected in all 34 samples at concentrations ranging from 15 $\mu g/ft^2$ to a maximum of 120,000 $\mu g/ft^2$ in Building 1. The samples were collected from above the former beryllium production area ceilings on the fiberglass or ceiling tile and from the exhaust stacks of the former beryllium vacuum systems. The maximum concentration detected was from above the ceiling of the former lathe and mill areas. All sample locations and analytical results are summarized in Table 3-18. Figure 3-17 presents the wipe sampling locations for Building 1.

Table 3-18
Building 1 - Summary of Analytical Results for Beryllium Wipe Sampling

Sample No.	Description	Location	Beryllium (µg/ft²)
1-618-Be-01	Above Ceiling	Former Jig Bore Room	2,900
1-618-Be-02	Above Ceiling	Former Lathe Area	55,000
1-618-Be-03	Above Ceiling	Former lathe/Mill Area	120,000
1-618-Be-04	Above Ceiling	Former Jig Bore Room	4,500
1-618-Be-05	Above Ceiling	Former lathe/Mill Area	6,600
1-618-Be-06	Above Ceiling	Former Lathe Area	480
1-618-Be-07	Above Ceiling	Former lathe/Mill Area	62,000
1-618-Be-08	Above Ceiling	Former Lathe Area	42,000
1-618-Be-09	Above Ceiling	Former Lathe Area	25,000
1-618-Be-10	Above Ceiling	Former Milling Area	130
1-618-Be-11	Above Ceiling	Former Milling Area	130
1-618-Be-12	Above Ceiling	Former Milling Area	74
1-618-Be-13	Above Ceiling	Former Milling Area	350
1-618-Be-14	Above Ceiling	Former Lathe Area	140
1-618-Be-15	Above Ceiling	Former Lathe Area	130
1-618-Be-16	Vertical exhaust stack -	Former Be vacuum system No. 1 - SE corner AH room	1,200
1-618-Be-17	Diagonal exhaust stack - Former Be vacuum system No. 1 - SE corner AH room	Former Be vacuum system No. 1 - SE corner AH room	17,000
1-618-BE-18	Vertical exhaust stack -	Former Be vacuum system No. 2	74
1-618-BE-19	Vertical exhaust stack -	Former Be vacuum system No. 2	40
1-618-BE-20	Vertical exhaust stack -	Former Be vacuum system No. 2	340
1-618-BE-21	Vertical exhaust stack -	Former Be vacuum system No. 3	290
1-618-BE-22	Vertical exhaust stack -	Former Be vacuum system No. 3	1,000
1-618-BE-23	Vertical exhaust stack -	Former Be vacuum system No. 3	72
1-618-BE-24	Vertical exhaust stack -	Former Be vacuum system No. 3	15
1-618-BE-25	Above Ceiling	Former Lathe Area	990
1-618-BE-26	Above Ceiling	Former Lathe Area	2,000
1-618-BE-27	Above Ceiling	Former Lathe Area	990
1-618-BE-28	Above Ceiling	Former Lathe Area	1,400
1-618-BE-29	Above Ceiling	Former Lathe Area	1,400
1-618-BE-30	Above Ceiling	Former Milling Area	770
1-618-BE-31	Above Ceiling	Former Milling Area	530
1-618-BE-32	Above Ceiling	Former Lathe Area	440
1-618-BE-33	Above Ceiling	Former Milling Area	950
1-618-BE-34	Above Ceiling	Former Milling Area	650

FIGURE 3-17
BUILDING 1 - BERYLLIUM WIPE SAMPLING LOCATIONS



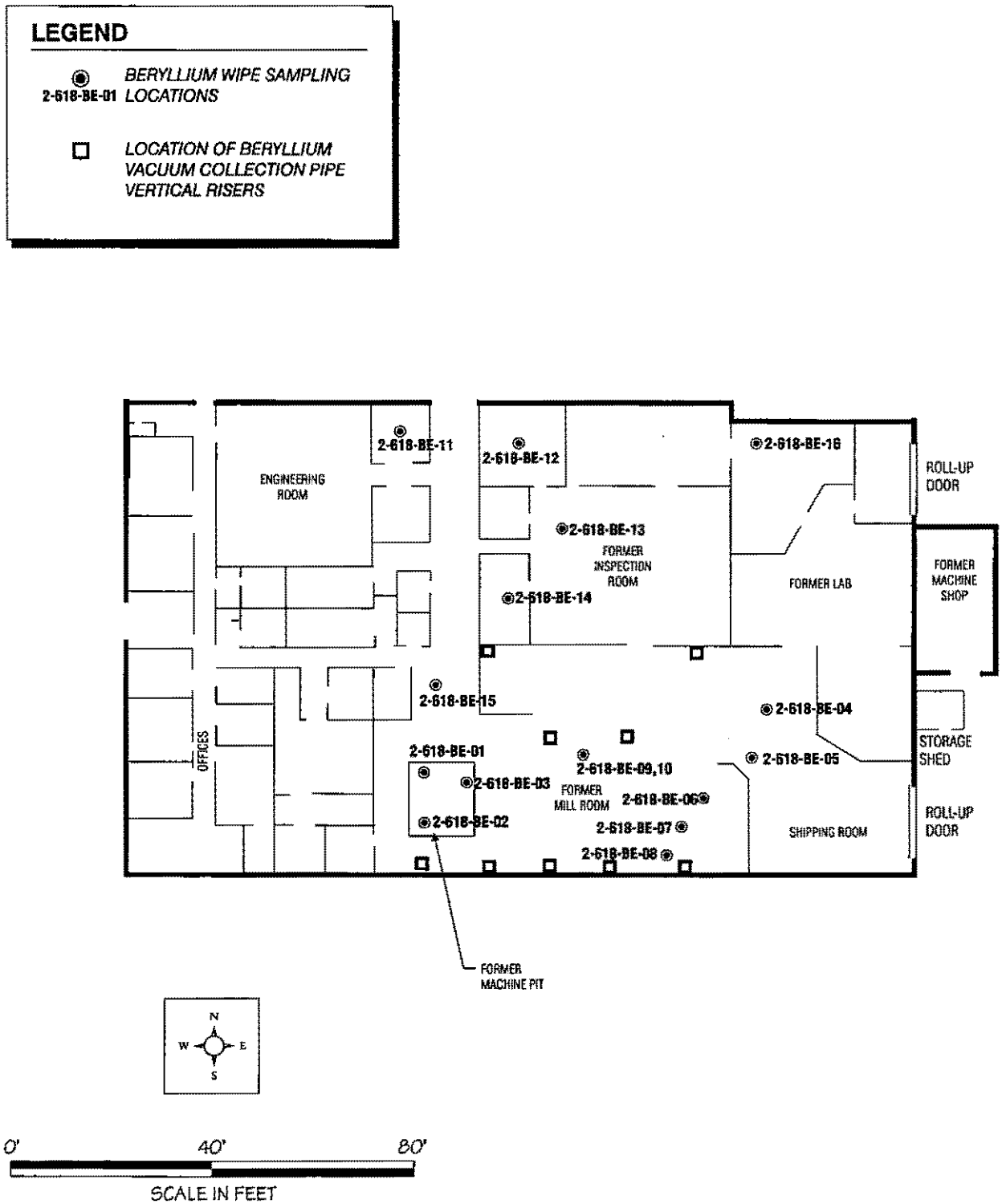
3.4.2 Building 2

A total of 16 wipe samples of surface residues were collected and analyzed for beryllium. Beryllium was detected in all 16 samples at concentrations ranging from 4.1 $\mu g/ft^2$ to a maximum of 1,500 $\mu g/ft^2$ in Building 2. The samples were collected from above the former beryllium production area ceilings on the fiberglass or ceiling tile and from the machine pit. The maximum concentration detected was from above the ceiling of the former mill room. All sample locations and analytical results are summarized in Table 3-19. Figure 3-18 presents the wipe sampling locations for Building 2.

Table 3-19
Building 2 - Summary of Analytical Results for Beryllium Wipe Sampling

Sample No.	Description	Location	Beryllium ($\mu g/ft^2$)
2-618-BE-01	Machine Pit	SW corner of former mill room	4.1
2-618-BE-02	Machine Pit	SW corner of former mill room	42
2-618-BE-03	Machine Pit	SW corner of former mill room	17
2-618-BE-04	Above Ceiling	Former shipping area	53
2-618-BE-05	Above Ceiling	Former shipping area	40
2-618-BE-06	Above Ceiling	SE corner of former mill room	110
2-618-BE-07	Above Ceiling	SE corner of former mill room	330
2-618-BE-08	Above Ceiling	SE corner of former mill room	210
2-618-BE-09	Above Ceiling	Center of former mill room	1,500
2-618-BE-10	Above Ceiling	Center of former mill room	550
2-618-BE-11	Above Ceiling	NW area of former inspection room	620
2-618-BE-12	Above Ceiling	NW area of former inspection room	940
2-618-BE-13	Above Ceiling	Former inspection room	370
2-618-BE-14	Above Ceiling	SW corner office of former inspection room	510
2-618-BE-15	Above Ceiling	Former mill room	230
2-618-BE-16	Above Ceiling	Former lab	1,000

FIGURE 3-18
BUILDING 2 - BERYLLIUM WIPE SAMPLING LOCATIONS



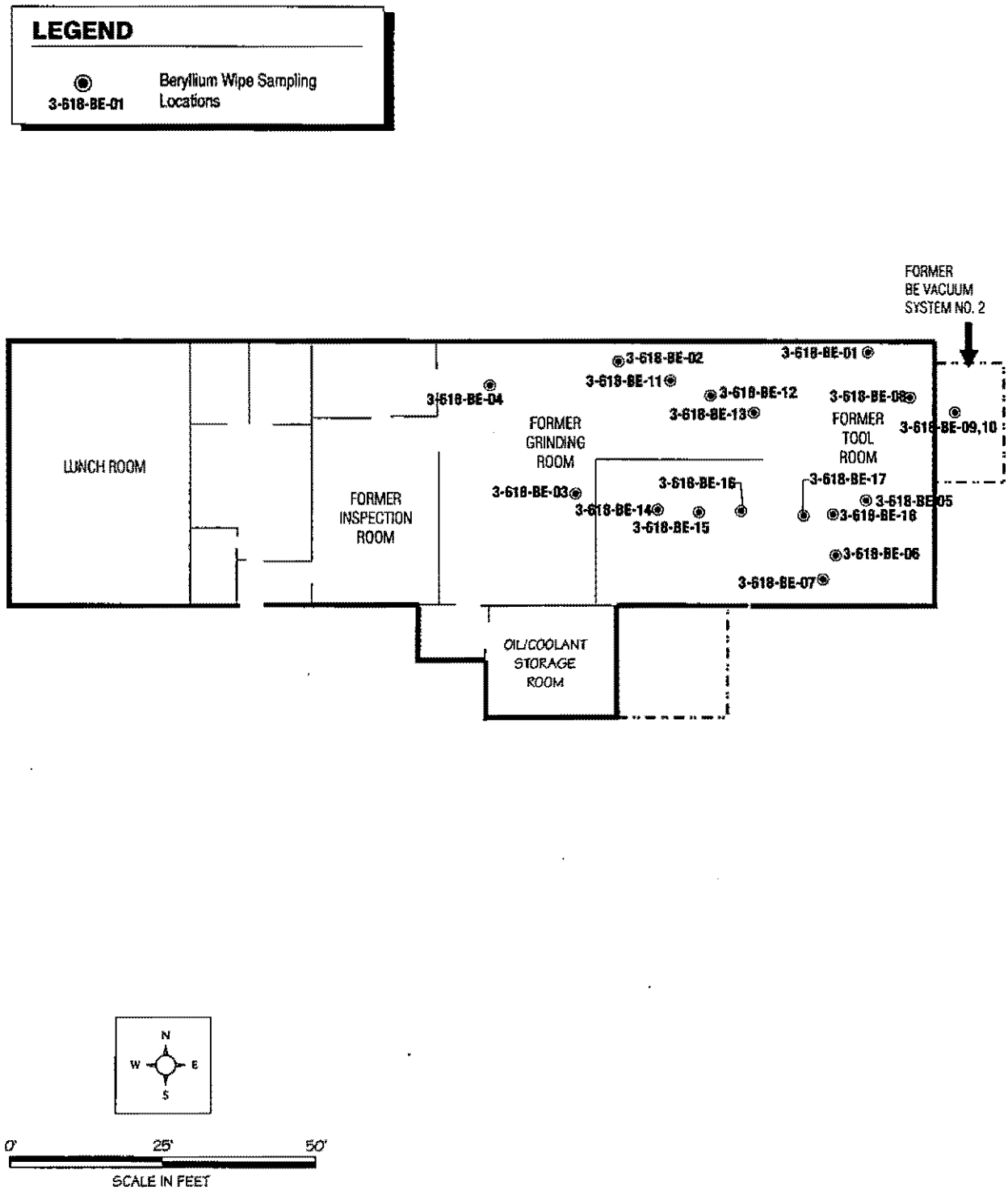
3.4.3 Building 3

A total of 18 wipe samples of surface residues were collected and analyzed for beryllium. Beryllium was detected in all 18 samples at concentrations ranging from 140 $\mu g/ft^2$ to a maximum of 1,800 $\mu g/ft^2$ in Building 3. The samples were collected from above the ceilings on the fiberglass or ceiling tile, PVC pipes and exhaust stacks. The maximum concentration detected was from above the ceiling between the former grinding and tool rooms. All sample locations and analytical results are summarized in Table 3-20. Figure 3-19 presents the wipe sampling locations for Building 3.

Table 3-20
Building 3 - Summary of Analytical Results for Beryllium Wipe Sampling

Sample No.	Description	Location	Beryllium ($\mu g/ft^2$)
3-618-BE-01	Pipe vacuum system at perimeter of room - 12" above ground	Inside the PVC pipes - former tool room	310
3-618-BE-02	Pipe vacuum system at perimeter of room - 12" above ground	Inside the PVC pipes - former grinding room	270
3-618-BE-03	Pipe vacuum system at perimeter of room - 12" above ground	Inside the PVC pipes - former grinding room	140
3-618-BE-04	Above Ceiling	Former grinding room	690
3-618-BE-05	Above Ceiling	Former tool room	690
3-618-BE-06	Above Ceiling	Former tool room	810
3-618-BE-07	Above Ceiling	Former tool room	760
3-618-BE-08	Above Ceiling	Former tool room	1,600
3-618-BE-09	Stack above former bag-house #4	NE Exterior shed	580
3-618-BE-10	Stack above former bag-house #4	NE Exterior shed	630
3-618-BE-11	Above ceiling	Between former grinding & tool rooms	1,800
3-618-BE-12	Above ceiling	Between former grinding & tool rooms	210
3-618-BE-13	Above ceiling	Between former grinding & tool rooms	1,200
3-618-BE-14	Above ceiling	Between former grinding & tool rooms	1,200
3-618-BE-15	Above ceiling	Between former grinding & tool rooms	1,700
3-618-BE-16	Above ceiling	Between former grinding & tool rooms	320
3-618-BE-17	Above ceiling	Former tool room	250
3-618-BE-18	Above ceiling	Former tool room	290

FIGURE 3-19
BUILDING 3 - BERYLLIUM WIPE SAMPLING LOCATIONS



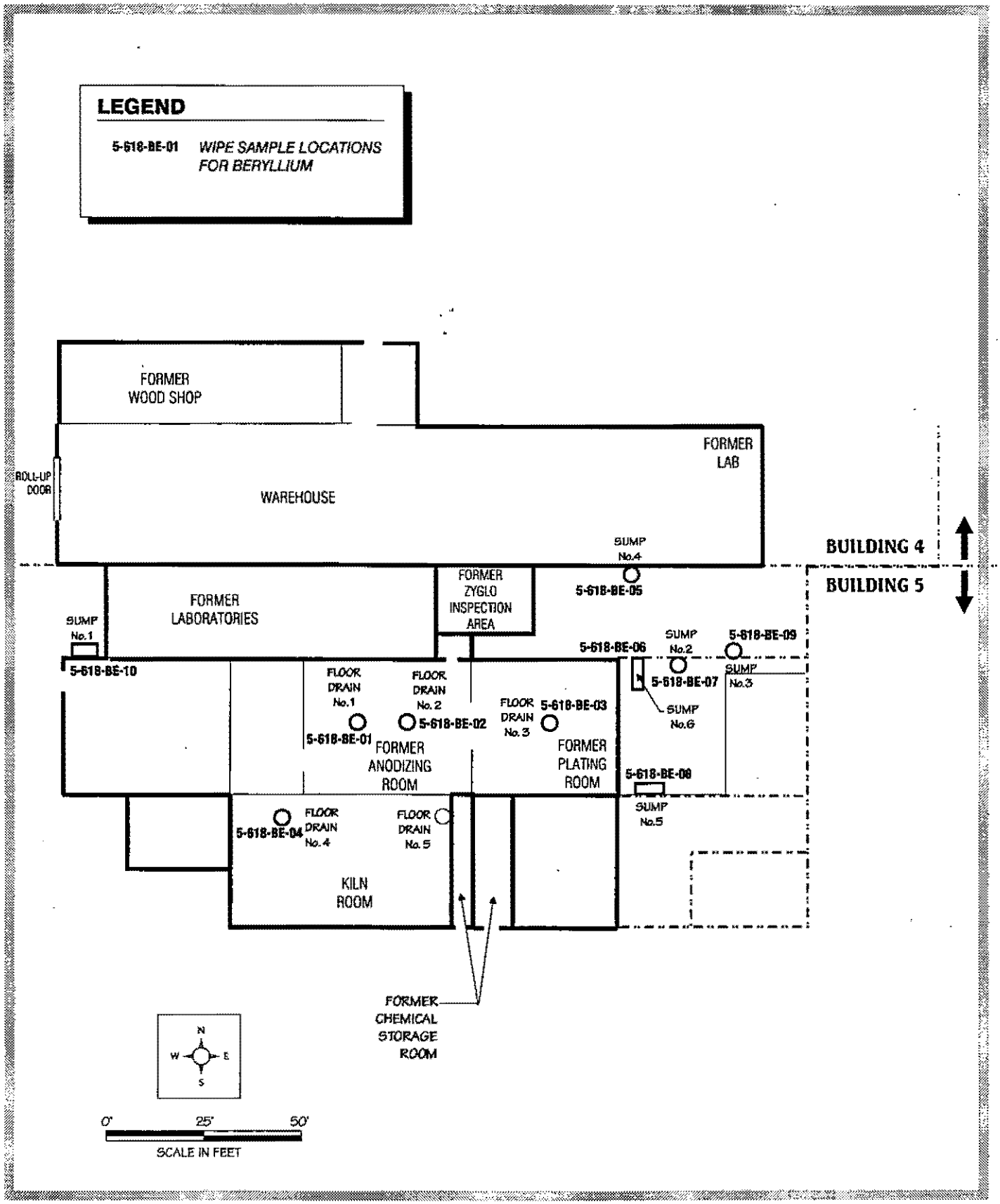
3.4.4 Building 5

A total of 10 wipe samples of surface residues were collected and analyzed for beryllium. Beryllium was detected in all 10 samples at concentrations ranging from 22 $\mu g/ft^2$ to a maximum of 340 $\mu g/ft^2$ in Building 5. The samples were collected from floor drains and sumps throughout the building. The maximum concentration detected was from the perimeter ledge and walls of sump No. 3. All sample locations and analytical results are summarized in Table 3-21. Figure 3-20 presents the wipe sampling locations for Building 5.

Table 3-21
Building 5 - Summary of Analytical Results for Beryllium Wipe Sampling

Sample No.	Description	Location	Beryllium ($\mu g/ft^2$)
5-618-BE-01	Floor Drain No. 1	Former anodizing room	34
5-618-BE-02	Floor Drain No. 2	Former anodizing room	46
5-618-BE-03	Floor Drain No. 3	Former plating room	110
5-618-BE-04	Floor Drain No. 4	Kiln room	45
5-618-BE-05	Sump No. 4	Perimeter ledge and walls	26
5-618-BE-06	Sump No. 6	Perimeter ledge and walls	38
5-618-BE-07	Sump No. 2	Perimeter ledge and walls	22
5-618-BE-08	Sump No. 5	Perimeter ledge and walls	180
5-618-BE-09	Sump No. 3	Perimeter ledge and walls	66
5-618-BE-10	Sump No. 1	Perimeter ledge and walls	340

FIGURE 3-20
BUILDING 5 - BERYLLIUM WIPE SAMPLE LOCATIONS



3.5 FEATURE SAMPLING

The following subsections (3.5.1 to 3.5.4) describe the types of features sampled and corresponding analytical results.

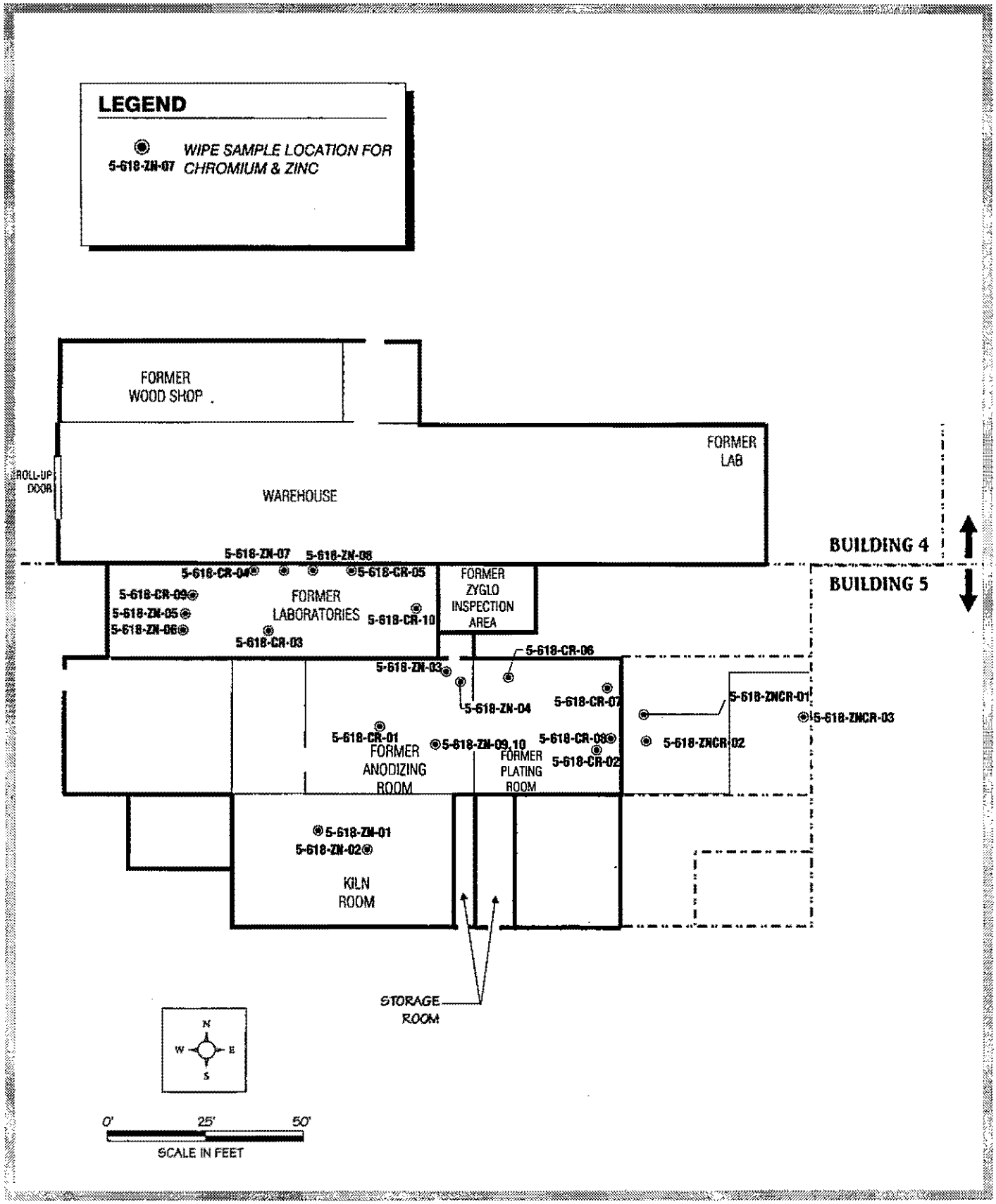
3.5.1 Chromium and Zinc Wipe Sampling

A total of 23 wipe samples of surface residues were collected to evaluate the potential presence and concentration of chromium and zinc within Building 5. The areas sampled included floors, above the ceilings on the fiberglass or ceiling tile, PVC vacuum pipes, and metal ducts. Both chromium and zinc were detected in all 23 samples. Chromium concentrations ranged from 8.6 $\mu g/ft^2$ to a maximum of 18,000 $\mu g/ft^2$. In addition, zinc concentrations ranged from 14 $\mu g/ft^2$ to a maximum of 850 $\mu g/ft^2$. All sample locations and analytical results are summarized in Table 3-22. Figure 3-21 presents the wipe sampling locations for Building 5.

Table 3-22
Building 5 - Summary of Analytical Results for Chromium and Zinc Wipe Sampling

Sample No.	Description	Location	Analytical Results (µg/ft²)	
			Chromium	Zinc
5-618-Cr-01	Floor	Former anodizing Room	1,600	850
5-618-Cr-02	Floor	Former plating room	150	220
5-618-Cr-03	Inside metal vacuum ducts	Former laboratories	12	20
5-618-Cr-04	Inside metal vacuum ducts	Former laboratories	12	29
5-618-Cr-05	Inside metal vacuum ducts	Former laboratories	800	500
5-618-Cr-06	Inside PVC vacuum pipes	Former plating room	9.5	14
5-618-Cr-07	Inside PVC vacuum pipes	Former plating room	12	18
5-618-Cr-08	Inside PVC vacuum pipes	Former plating room	8.6	18
5-618-Cr-09	Above ceiling	Former laboratories	3,700	140
5-618-Cr-10	Above ceiling	Former laboratories	9,600	260
5-618-ZnCr-01	Scrubbers	Horizontal duct - north side	18,000	94
5-618-ZnCr-02	Scrubbers	Horizontal duct - south side	6,100	41
5-618-ZnCr-03	Scrubbers	Vertical duct - north side	11,000	270
5-618-Zn-01	Floors	Former kiln room	190	180
5-618-Zn-02	Floors	Former kiln room	180	310
5-618-Zn-03	Inside PVC vacuum pipes	Former anodizing room	94	31
5-618-Zn-04	Inside PVC vacuum pipes	Former anodizing room	350	120
5-618-Zn-05	Above ceiling	Former laboratories	83	39
5-618-Zn-06	Above ceiling	Former laboratories	120	60
5-618-Zn-07	Inside metal vacuum ducts	Former laboratories	29	23
5-618-Zn-08	Inside metal vacuum ducts	Former laboratories	49	36
5-618-Zn-09	Inside metal vacuum ducts	Former anodizing room	480	130
5-618-Zn-10	Inside metal vacuum ducts	Former anodizing room	710	180

FIGURE 3-21
BUILDING 5 - CHROMIUM & ZINC WIPE SAMPLING LOCATIONS



3.5.2 Sampling of Sumps and Floor Drains

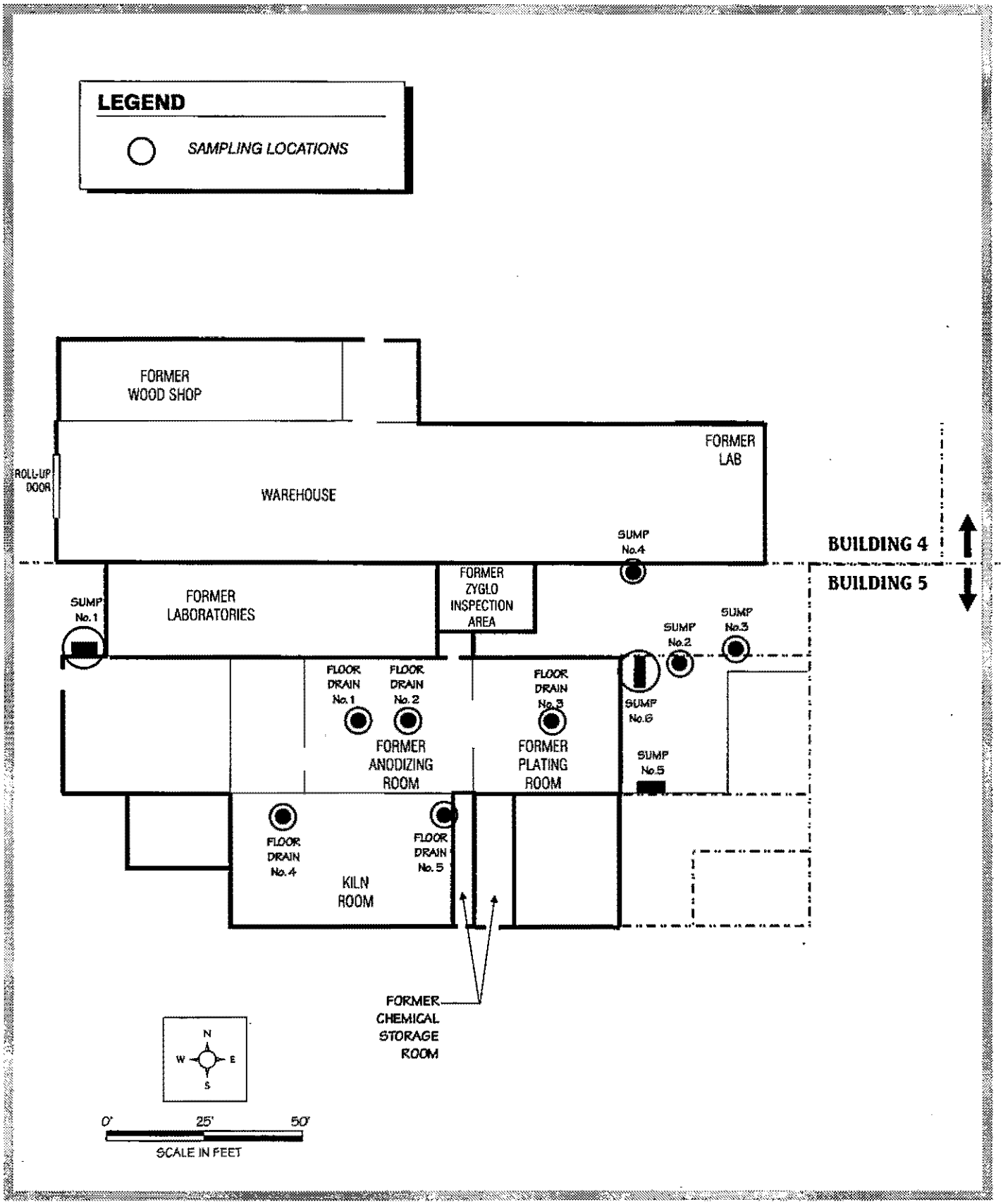
Samples of residual liquids contained in sumps and floor drains within Building 5 was collected to characterize the presence or absence of chemical constituents. A total of five sumps and five floor drains in Building 5 were sampled for volatile organic compounds (VOCs) using EPA Method 8260A. Only samples collected from floor drains No. 3 and No. 4 reported trace levels of compounds (acetone, methyl ethyl ketone, freon, and xylenes). Some of the sumps and floor drains were also analyzed for total recoverable petroleum hydrocarbons (TRPH) using EPA Method 418.1. Concentrations of TRPH detected ranged from 3.0 mg/L to 76 mg/L. Additionally, sump No. 4 was analyzed for PCBs using EPA Method 8080 and reported no detectable concentrations. All sample locations and analytical results are summarized in Table 3-23. Figure 3-22 presents the feature sampling locations for Building 5.

Table 3-23
Building 5 - Maximum Concentrations of VOCs, TRPH, and PCBs for Feature Sampling

Feature Sampled	Analytical Results		
	VOCs 8260A (µg/L)	TRPH 418.1 (mg/L)	PCBs 8080 (mg/L)
Sump No. 1	ND	13	Not Analyzed
Sump No. 2	ND	22	Not Analyzed
Sump No. 3	ND	11	Not Analyzed
Sump No. 4	ND	31	ND
Sump No. 6	ND	3.0	Not Analyzed
Floor Drain No. 1	ND	76	Not Analyzed
Floor Drain No. 2	Freon 113: 1.6	43	Not Analyzed
Floor Drain No. 3	Acetone: 10 Methyl ethyl ketone: 20 m, p-Xylene: 2.2 o-Xylene: 1.6	Not Analyzed	Not Analyzed
Floor Drain No. 4	Acetone: 10 Methyl ethyl ketone: 20 m, p-Xylene: 1.5 o-Xylene: 1.3	Not Analyzed	Not Analyzed
Floor Drain No. 5	ND	Not Analyzed	Not Analyzed

ND = Not Detected Above Method Detection Limits

FIGURE 3-22
BUILDING 5 - LIQUID SAMPLING LOCATIONS



3.5.3 CFC Sampling

The condensate return from three air conditioning units and an air handling system located within Buildings 1, 2 and 3 were sampled for the presence of chlorofluorocarbons (CFCs) and other VOCs. No VOC compounds were detected in any of the samples analyzed. All sample locations and analytical results are summarized in Table 3-24. Figures 3-23, 3-24, and 3-25 present the sampling locations for Buildings 1, 2, and 3, respectively.

Table 3-24
Building 1, 2, 3 - Summary of CFC Analytical Results

Building No.	Sample No.	Location	CFCs 8260A (µg/L)
1	1-617-CFC-1	Main AC unit for metal lathe section condensate return	ND
	1-617-CFC-2	Main AC unit for milling / sheet metal area condensate return	ND
2	2-617-CFC-1	Exterior east side equipment room / AH room condensate return	ND
3	3-617-CFC-1	Exterior north side, Condensate return from lunch room's above ceiling AC unit	ND

ND = Not Detected Above Method Detection Limits

3.5.4 PCB Sampling

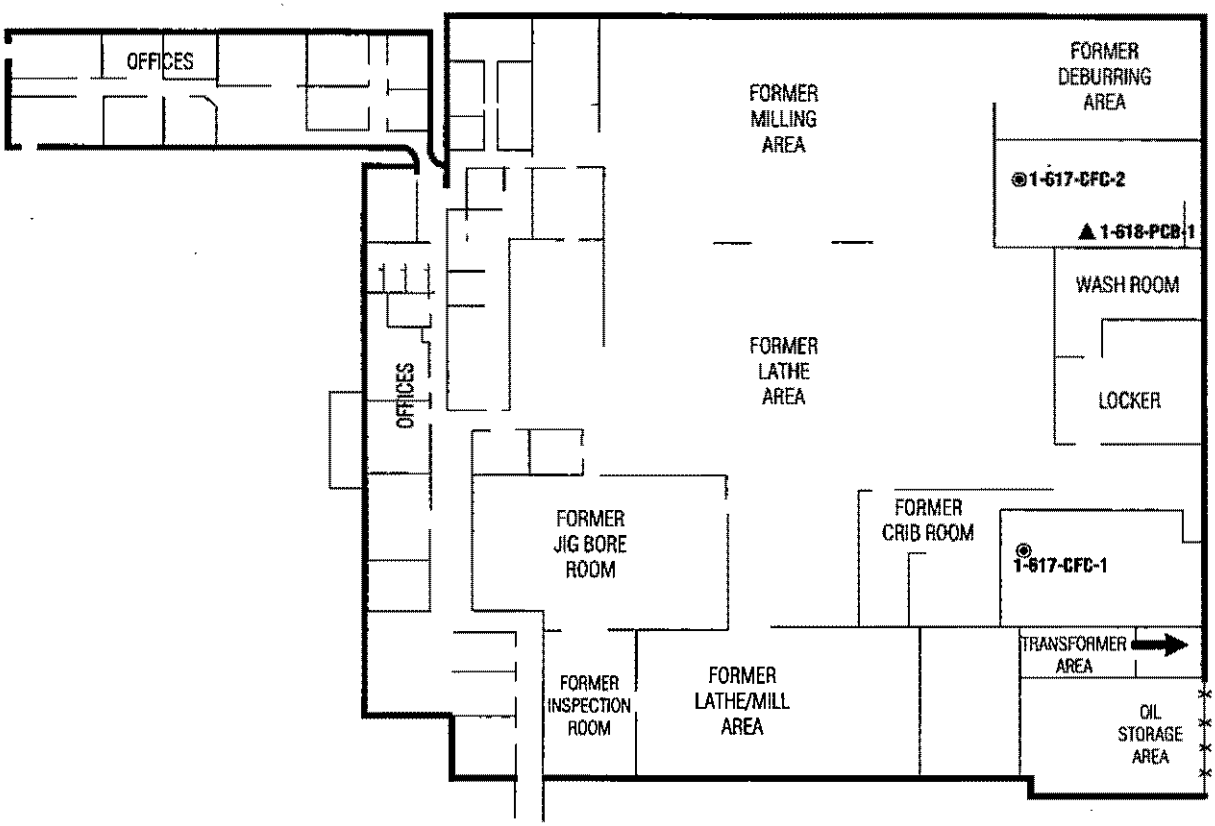
Electrical wrap from three power panels located in Buildings 1, 2 and 5 were sampled to the determine the presence or absence of PCBs. Two samples reported concentrations of PCBs. The sample collected from the panel in Building 1 reported Aroclor 1254 at 48 mg/kg. In addition, Aroclor 1248 was detected at 4.3 mg/kg from the sample collected in Building 5. All sample locations and analytical results are summarized in Table 3-25. Figures 3-23, 3-24, and 3-26 presents the sampling locations for Buildings 1, 2, and 5.

Table 3-25
Building 1, 2, 5 - Summary of PCB Analytical Results for Electrical Equipment

Building No.	Sample No.	Location	PCBs 8080 (mg/kg)
1	1-618-PCB-1	Milling / lathe area - AH room - electric breaker panel	Aroclor 1254: 48
2	2-618-PCB-1	Bldg. 2 - main power panel	ND
5	5-618-PCB-1	Bldg. 5 - 1st room - main panel box	Aroclor 1248: 4.3

ND = Not Detected Above Method Detection Limits

FIGURE 3-23
BUILDING 1 - CFC & PCB SAMPLING LOCATIONS



LEGEND

1-617-CFC-1 — *SAMPLE COLLECTION SITE FOR CFCs*

1-618-PCB-1 — *SAMPLE COLLECTION SITE FOR PCBs*

N W E S

0' 40' 80'

SCALE IN FEET

FIGURE 3-24
BUILDING 2 - CFC & PCB SAMPLING LOCATION

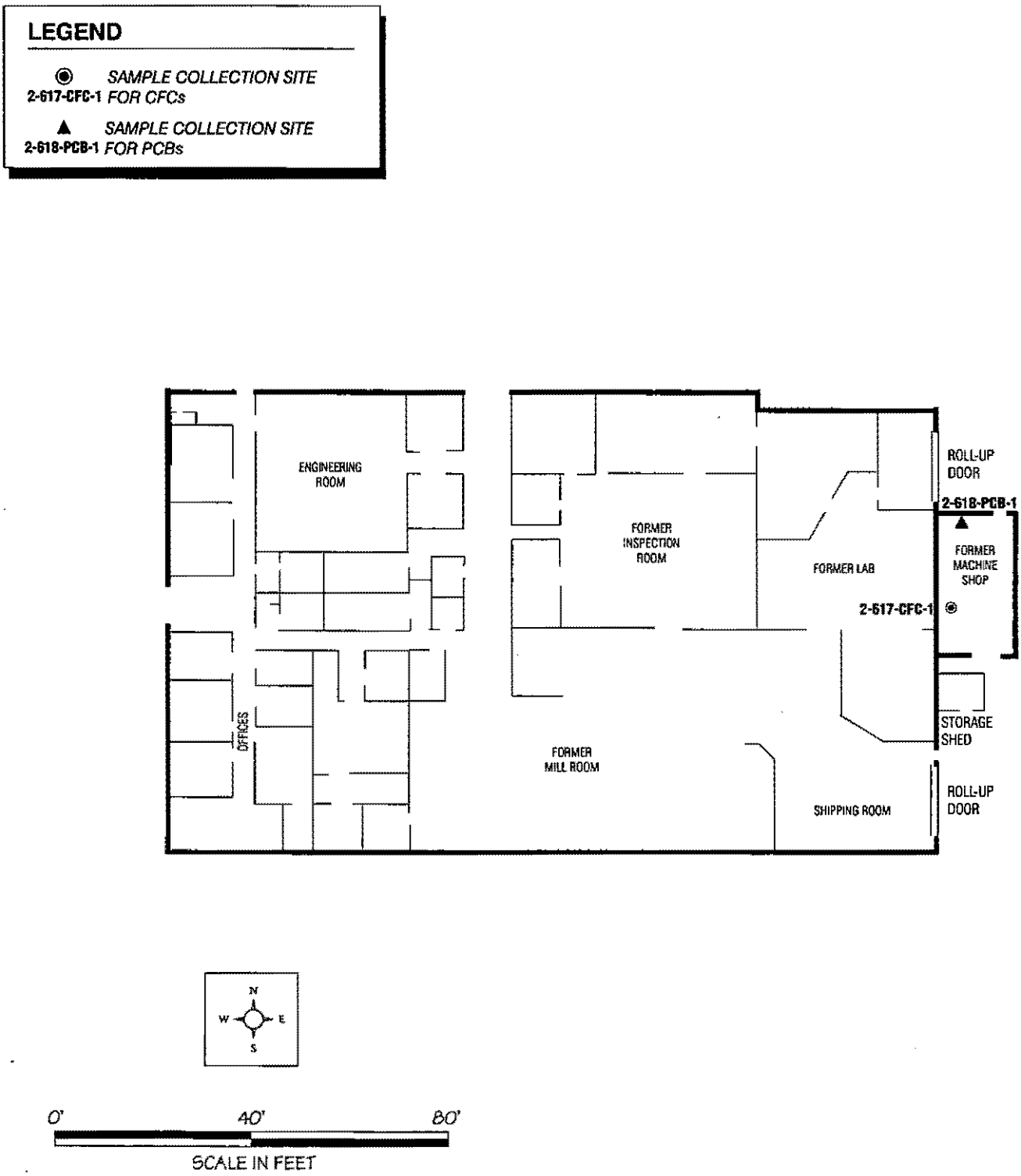


FIGURE 3-25
BUILDING 3 - CFC SAMPLING LOCATION

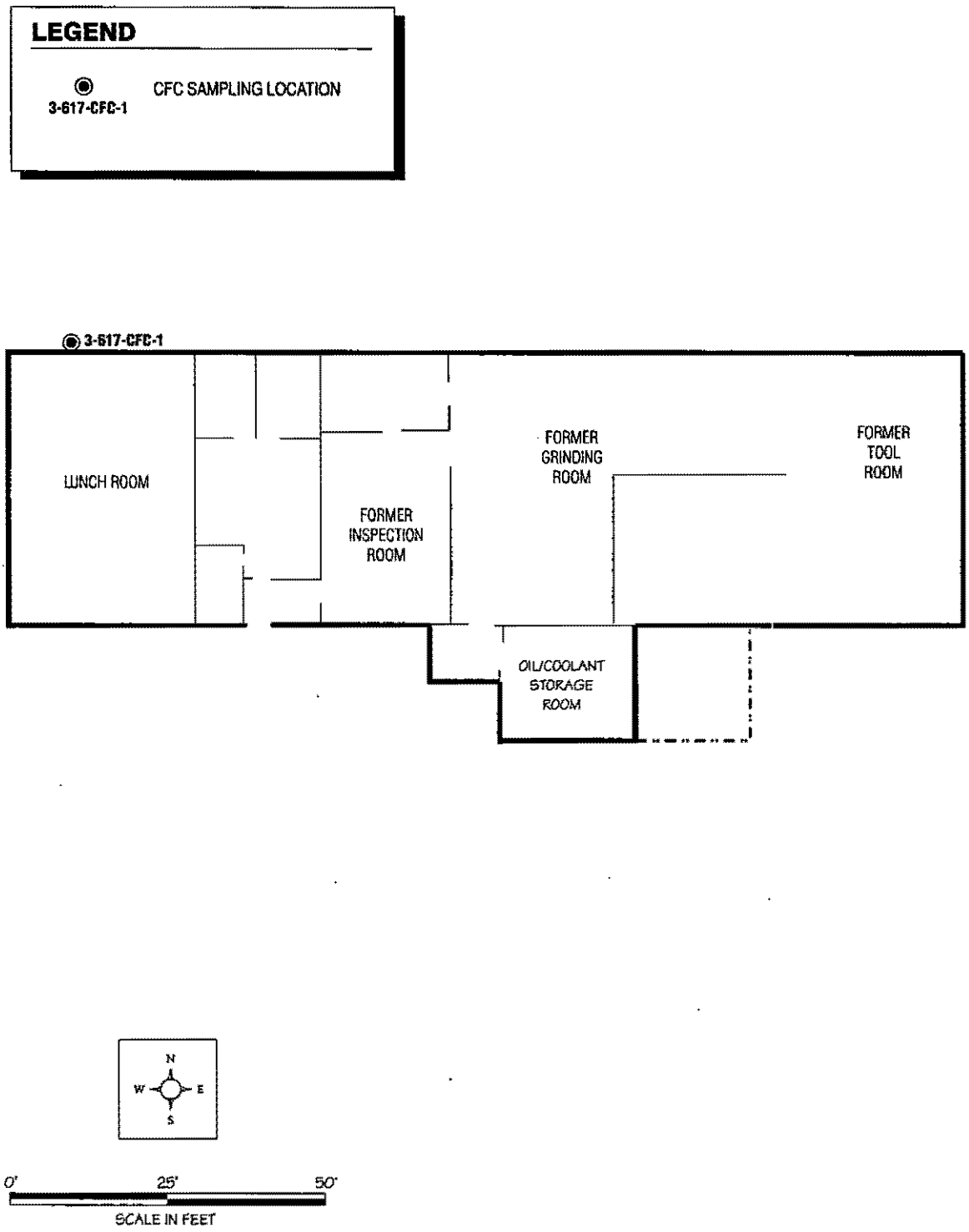
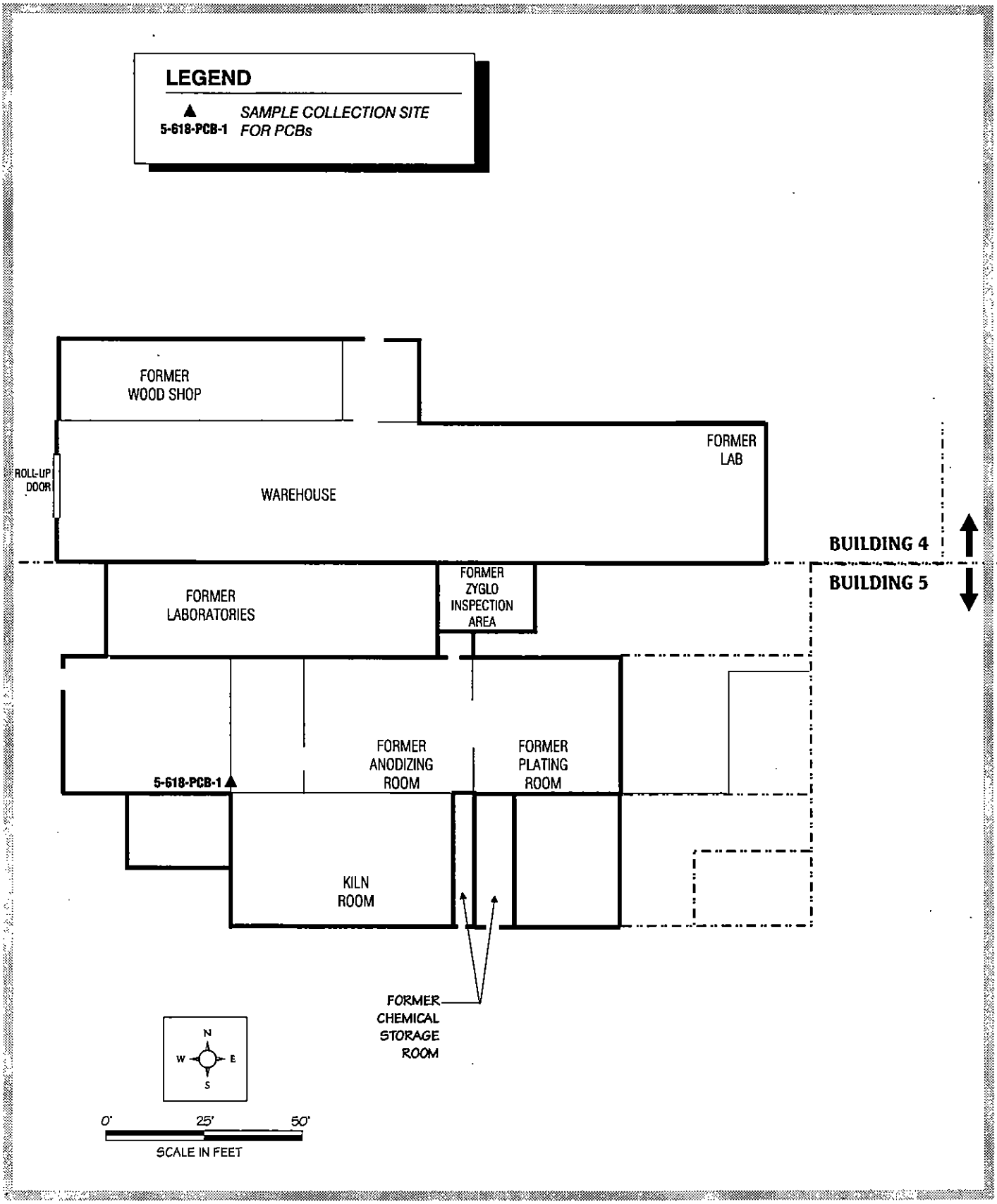


FIGURE 3-26
BUILDING 5 - PCB SAMPLING LOCATION



Section 4
Conclusions

This section provides conclusions derived from the data collected during the FA. Where appropriate, recommendations have been provided to manage various materials assessed during the FA.

4.1 ASBESTOS CONTAINING MATERIALS

As outlined in Section 3, ACM was detected in 26 samples collected during the FA. ACM exceeding 1% by surface area was detected in various tile flooring, linoleum flooring, thermal system insulation wrap, roof base flashing, wall panel adhesive materials, and mastics. A summary of the detected ACM with the associated hazard rating and quantity estimates is presented in Table 4-1.

Table 4-1
Summary of Detected ACM at ABC Facility

Sample Number	Description	Location	Asbestos Content	Quantity	Condition
1-616-28 1-616-29 1-616-30	Linoleum and mastic, light brown w/ rock pattern, (Non-Friable)	Northwest and southwest areas of Building 1	40% Chrysotile	2700 ft^2	Good condition - low potential for damage. AHERA Hazard Rating = 1
1-616-37 1-616-38 1-616-39	Thermal system insulation - AC compressor pipe elbow and lagging (Friable)	Building 1, Air Handling Room at east end of building	10% Chrysotile	12 linear ft	Good condition - moderate potential for damage. AHERA Hazard Rating = 2
1-616-46a 1-616-46b 1-616-47a 1-616-47b 1-616-48a 1-616-48b	9"x 9" floor tile and mastic (Non-Friable)	South central area of Building 1, at former Crib Room	15% Chrysotile in tile; 10% Chrysotile in mastic	600 ft^2	Good condition - low potential for damage. AHERA Hazard Rating = 1
5-617-68a 5-617-68b 5-617-69a 5-617-69b 5-617-70a 5-617-70b	12" x 12"Black Resilient Floor Tile (Non-Friable)	Bathroom in Former Laboratories, North central area of Building 5	15% Chrysotile in tile;	35 ft^2	Good condition - low potential for damage. AHERA Hazard Rating = 1

Table 4-1 (Continued)
Summary of Detected ACM at ABC Facility

Sample Number	Description	Location	Asbestos Content	Quantity	Condition
1-618-88 1-618-89 1-618-90	Roof base flashing (Non-Friable)	Base of Building 1 roof parapets	10% Chrysotile	350 linear ft (6" diameter)	Good condition - low potential for damage. AHERA Hazard Rating = 1
1-618-103	Adhesive behind wall panels in SW corner office (Non-Friable)	Building 2 - Interior walls of west entrance lobby; SW corner office; and office on north side of west entrance lobby	4% Chrysotile	720 ft^2	Good condition - low potential for damage. AHERA Hazard Rating = 1
2-616-04a 2-616-04b	Tank stone pattern resilient linoleum flooring and mastic (Non-Friable)	Building 2 - Former inspection room; north section of former lab; and small room west of machine pit	30% Chrysotile in linoleum	3300 ft^2	Good condition - low potential for damage. AHERA Hazard Rating = 1
3-618-105	AC duct insulation / caulking	Exterior AC duct, north side	2% Chrysotile	56 ft^2	Good condition - low potential for damage. AHERA Hazard Rating = 1
1-618-93	Roofing Mastic	Building 2 - base of pipes, base of equipment, at seams, etc.	10% Chrysotile	70 ft^2	Good condition - low potential for damage. AHERA Hazard Rating = 1

As indicated in Table 4-1, all ACM detected at the facility received an AHERA Hazard Rating of 1 or 2. All detected ACM appeared in good condition with a low to moderate potential for damage. If the building materials are not scheduled for demolition, the ACM should be managed through an Operation & Maintenance (O&M) Plan. In the event that demolition is scheduled, abatement of the ACM is required prior to disturbance of the building materials. Notification of asbestos removal to the Florida Department of Environmental Protection - State Asbestos Coordinator and to the Manatee County Environmental Management Department - Pollution Control Division are required if the amount of ACM being removed exceeds 160 square feet or 260 linear feet.

4.2 LEAD BASED PAINT

Based on the FA results, only one paint chip sample reported lead content exceeding the HUD guideline of 5,000 mg/kg. The sample, labeled as 1-617-P-7, reported 8,100 mg/kg on a steel column in the former Lathe area of Building 1. The paint surface was in overall good condition and should be managed through an O&M Plan. In the event that demolition of the building materials is scheduled, abatement of the lead based paint may be required for worker health and safety.

If the paint deteriorates (i.e, separates from the substrate), or if demolition of the building materials is scheduled, abatement of the lead based paint at the steel column may be appropriate to ensure the protection of human health. During demolition, air monitoring may be warranted to ensure that the OSHA PEL of 50 $\mu g/m^3$ for lead is not exceeded in worker breathing zones.

4.3 BERYLLIUM IMPACTED MATERIALS

Beryllium was identified in various surface wipe samples collected throughout the former ABC facility. The highest beryllium concentrations were detected (up to 120,000 $\mu g/ft^2$) in the ceiling materials (either on ceiling tiles or in the fiberglass above the tiles) above the former Lathe, Milling and Jig Bore Rooms of Building 1. Other materials impacted with beryllium include floor drains, sumps, and the exhaust stacks and piping for the former beryllium vacuum systems.

While beryllium was detected, it does not appear to represent an immediate health or safety concern at the site. Most areas with detected beryllium are not accessible to the public (e.g., covered sumps, above ceilings, etc.) and should have a low potential for disturbance. In addition, based on the November 1996 air monitoring program, no airborne beryllium was detected around the identified beryllium impacted building surfaces. Although no immediate abatement action is required, all areas of detected beryllium impacted materials should be managed through an O&M Plan.

If disturbed, beryllium has the potential to represent an airborne hazard. OSHA has established a PEL for beryllium (2 $\mu g/m^3$) as an airborne contaminant for worker protection. In the event that beryllium impacted surfaces are disturbed (through renovation, demolition, or other disturbance activities), further air monitoring may be warranted to ensure the protection of human health.

4.4 MISCELLANEOUS TOXIC MATERIALS

In accordance with the procedures outlined in Section 2.5, features and areas containing residual liquids, and solids were sampled for various compounds based on suspected chemical usage. The results of the samples were compared against applicable regulatory standards to determine the need for further action. A summary of the data evaluation is presented as follows:

PCBs in Electrical Equipment - Cable wrap in various electrical panels were sampled for the presence of PCBs. Based on the FA results, a maximum PCB concentration of 48 mg/kg was detected in the wrap material.

Because the State of Florida does not have specific regulations concerning the storage and disposal of PCBs, federal guidelines were employed to evaluate the data. As stated in 40 CFR 761.60, electrical equipment containing less than 50 mg/kg of PCBs is not considered a hazardous waste. Based on this evaluation, no further action is warranted to assess or dispose of the PCBs in the electrical equipment at the former ABC facility.

Organic Compounds in Subsurface Sumps and Floor Drains - Residual liquids in the sumps and floor drains were sampled for various organic compounds, including TRPH, VOCs and PCBs. Based on the FA results, no organic compounds were detected at levels above regulatory standards stated in 40 CFR 261. No action is warranted to assess, manage, or dispose of the material as a regulated hazardous waste.

CFCs in Refrigeration Equipment - Various refrigeration equipment were sampled for the presence of CFCs and other VOCs. Based on the FA results, no CFCs or other VOCs were detected in any samples collected for analysis. No further action is warranted to assess, manage or dispose of the refrigeration equipment.

Chromium and Zinc in Former Plating / Anodizing Rooms - Surface wipe samples were collected from various features in the former plating and anodizing rooms for analysis of chromium and zinc. No regulatory action levels for zinc and chromium in building surface residues have been established. OSHA has established PELs for zinc (10 $\mu g/m^3$) and chromium (5 $\mu g/m^3$) as airborne compounds for worker protection. Zinc and chromium have the potential to represent an airborne hazard. Air monitoring could be conducted to determine whether zinc and chromium are present in the breathing zone as an airborne hazard.

Miscellaneous Facility Survey Features - Miscellaneous building features (light ballasts, HID lamps, batteries, thermostats and smoke/motion detectors, identified during the comprehensive facility survey contain small quantities of toxic materials. If the building features are left undisturbed, no special handling or disposal of the toxic materials is required. If building demolition is intended, the identified building features will require appropriate handling and disposal as hazardous materials.

Section 5
References

1. Phase I Environmental Assessment - Former American Beryllium Company, Tetra Tech, Inc., February 7, 1997

2. Air and Wipe Sampling at Lockheed Martin's Former American Beryllium Company, Tetra Tech, Inc., January, 1997.

3. Lead-Based Paint: Interim Guidelines for Hazard Identification and Abatement in Public and Indian Housing, U.S. Department of Urban and Housing Development, September 1990.

4. Code of Federal Regulations, Office of the Federal Register National Archives and Records Administration.

Section 6
Limitations

Tetra Tech has conducted this facility assessment in accordance with applicable USEPA, ASTM and AHERA standards. This report should not be regarded as a guarantee that no further contamination, or hazardous materials, beyond that which may have been identified in this assessment, is present at the property.

While the estimated quantities included in this report are reasonable, unanticipated conditions could be uncovered during renovation or demolition. Tetra Tech does not warrant or guarantee the quantity estimates, and use of such estimates shall be at the user's own risk.

Sampling Constraints

This report describes only conditions present at the time of the survey. Because non-destructive sampling techniques were employed, certain building materials may be obscured. The level of certainty in characterizing these obscured materials may not be as high as with exposed materials where homogeneous characteristics can be visually confirmed. In the event that the building conditions change (depending on use, maintenance or accident), or if additional information is made available, the conclusions and recommendations in this report may require modification.

ACM Laboratory Analysis Constraints

Certain materials (generally nonfriable types) such as roofing products, joint compound, floor tiles and mastics have a mix of components (a matrix) which can interfere with the polarized light method of analysis, and/or are composed of asbestos fibers of small diameter which are invisible to the PLM microscope. These types of materials can yield false positive or false negative results. It sometimes is

necessary to utilize Point Counting or Transmission Electron Microscopy (TEM) techniques, whichever is appropriate for the type of material involved, to better confirm the presence or absence of asbestos fibers in these materials. This type of analysis (initial or subsequent to the initial analysis by PLM) was not performed as part of this survey.

January 20, 1997

TETRA TECH, INC.
670 North Rosemead Boulevard
Pasadena, CA 91107
Telephone (818) 449-6400
FAX (818) 351-8126

Mr. Bob Gilbert
Lockheed Martin Corporation
2550 N. Hollywood Way, 3rd Floor
Burbank, CA 91505-1055

RE: Air and Wipe Sampling at
Lockheed Martin's Former American Beryllium Company in
Tallevast, Florida

Dear Mr. Gilbert:

Air and wipe samples were collected and analyzed for the presence of Beryllium at Lockheed Martin's former American Beryllium Company (ABC) located at 1600 Tallevast Road in the City of Tallevast, Florida. The work was conducted on behalf of Lockheed Martin - Burbank Program Office (BPO) during the months of November and December, 1996. A total of 32 wipe and 68 air samples were collected throughout the ABC facility.

Laboratory analysis of the air samples collected throughout the ABC facility reported no detectable concentrations of Beryllium in any of the 68 samples. The OSHA published Permissible Exposure Limit (PEL) for Beryllium is 2 $\mu g/m^3$. Based on laboratory analysis, Beryllium was not present above the PEL in any of the air samples analyzed from the site.

Laboratory analysis of wipe samples collected throughout the ABC facility detected Beryllium at a maximum concentration of 0.871 mg/ft^2. While no regulatory action levels exist for Beryllium dust, Tetra Tech has reviewed various published guidelines for estiablishing action levels for Beryllium residue in manufacturing and non-manufacturing facilities. A copy of Tetra Tech's sufmmary of various guidelines for Beryllium residue is presented in Appendix C.

INTRODUCTION

This report presents the results of laboratory analysis of air and wipe samples collected throughout the ABC facility for the presence of Beryllium. The purpose of this project was to determine the presence and concentration of Beryllium on the walls and fixtures within the ABC facility and determine whether Beryllium is present as an airborne contaminant in the breathing zone.

Lockheed Martin's former ABC facility is located at 1600 Tallevast Road in the City of Sarasota, Florida. The subject structure is approximately 58,729 square feet consisting of offices and manufacturing areas.

This report documents the sampling methods, summarizes sample findings, and presents conclusions.

BACKGROUND

In November 1996, Lockheed Martin's ABC facility discontinued operations in Sarasota, Florida. In preparation for an auction sale of various machinery at the site, Tetra Tech was contracted to collect wipe and air samples from various areas of the facility to evaluate the potential presence and concentration of Beryllium within the facility. Air samples were collected both before and during the auction to document any airborne concentrations of Beryllium within the facility.

BERYLLIUM WIPE SAMPLING

On November 19, 1996, twenty-eight samples of surface residues *(wipe samples)* and three trip blank samples were collected from the ABC facility. Wipe samples of residues on doors, walls, floors and other surfaces were collected for analysis for the presence of Beryllium. Each wipe sample was collected from an area of one square foot (ft^2) and was acquired by a double "S" wiping motion at a 90 degree angle. Figure 1 shows all sampling locations with respect to the building structure.

BERYLLIUM WIPE SAMPLE ANALYTICAL RESULTS

A total of twenty-eight wipe samples were collected from areas inside the ABC facility. Beryllium was detected in all 28 wipe samples *(maximum of 0.871 mg/ft^2)*. Beryllium was detected in one of the field blanks at 0.00072 mg/ft^2, and was not detected in the other two field blanks *(detection limit of 0.0005 mg/ ft^2)*. Copies of the Chain-of-Custody for the wipe samples are presented in Appendix A with the Laboratory Analytical Results presented in Appendix B. A summary of the analytical results are presented in Table 1.

TABLE 1

SUMMARY OF BERYLLIUM IN WIPE SAMPLES

Sample Number	Sample Description	Total Beryllium in Wipe Samples
Lathes 1	Corridor Floor - Lathes Room	0.0180 mg/ft^2
Lathes 2	Counter Window in Front of Crib - Lathes Room	02280 mg/ft^2
Lathes 3	Wall Outside Crib Room - Lathes Room	0.0014 mg/ft^2
Lathes 4	Front of Glass Adjacent to Jig Room - Lathes Room	0.0032 mg/ft^2
Jig Bore 5	Floor - Center of Jig Bore Room	0.0103 mg/ft^2
Lathes Mill 6	Wall - Lathes Mills Room	0.0027 mg/ft^2
Lathes Mill 7	Walkway Floor - Lathes Mills Room	0.0290 mg/ft^2
Lathes Mill 8	Top of Cabinet - Lathes Mills Room	0.6940 mg/ft^2
Lathes Mill 9	Window Frame - Mills Room Corridor	0.0164 mg/ft^2
Lathes Mill 10	Walkway Floor - Mills Room Corridor	0.0364 mg/ft^2
Lathes Mill 11 - Blank	Sample / Trip Blank	<0.0005 mg/ft^2
Mills 12	Floor - Mills Room	0.1840 mg/ft^2
Mills 13	Floor - Mills Room	0.3860 mg/ft^2
Mills 14	Door - Shipping Room	0.00085 mg/ft^2
Mills 15	Desk - Shipping Room	0.0738 mg/ft^2
Lab 16	Floor - Lap Room	0.1580 mg/ft^2
Lab 17	Cabinet Door - Lap Room	0.0047 mg/ft^2
EDM 18	Walkway Floor - Lap Room	0.3080 mg/ft^2
EDM 19	Wall - EDM Room	0.1620 mg/ft^2
EDM 20	Floor - EDM Room	0.8710 mg/ft^2
Grinding 21 - Blank	Field Blank	0.00072 mg/ft^2
Grinding 22	Floor - Grinding Room	0.3300 mg/ft^2
Grinding 23	Wall - Grinding Room	0.0061 mg/ft^2
Grinding 24	Floor - Grinding Room	0.0978 mg/ft^2
Grinding 25	Floor - Grinding Room	0.1280 mg/ft^2
Grinding 26	Door - Grinding Room	0.0224 mg/ft^2
Lathes 27	Floor - Lathes Room	0.1360 mg/ft^2
Lathes 28	Floor - Lathes Room	0.0098 mg/ft^2
Lathes 29	Support Column - Lathes Room	0.0059 mg/ft^2
Mills 30	Floor - Mills Room	0.1390 mg/ft^2
Field Blank 31	Field Blank	<0.0005 mg/ft^2

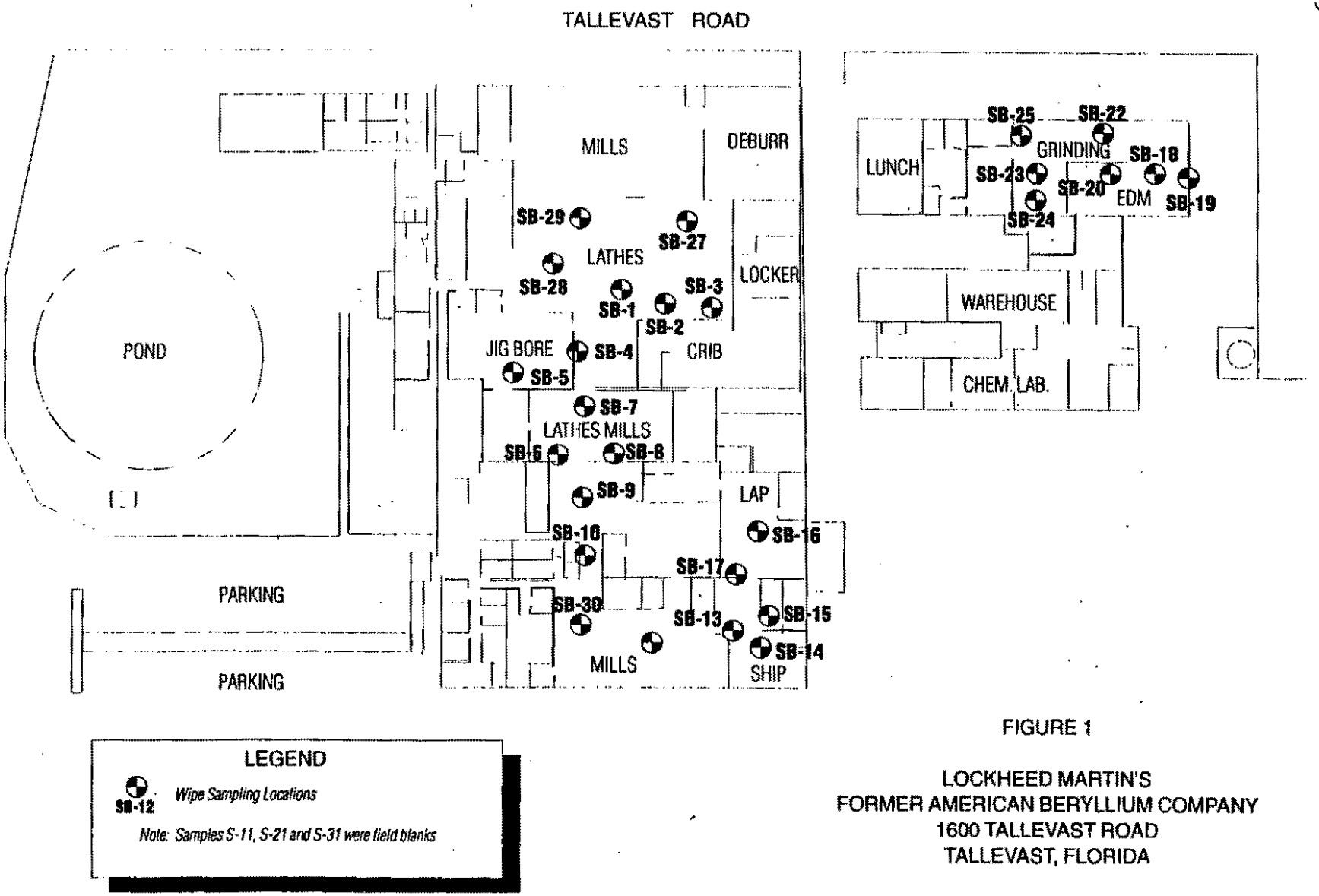


FIGURE 1

LOCKHEED MARTIN'S
FORMER AMERICAN BERYLLIUM COMPANY
1600 TALLEVAST ROAD
TALLEVAST, FLORIDA

BERYLLIUM AIR SAMPLING

In addition to wipe sampling, a total of sixty-eight air samples were collected during two sampling events at the ABC facility to determine if Beryllium was present in the breathing zone. Air samples were collected from all areas where Beryllium was processed. Fourteen air samples were collected on November 19, 1996, to determine if any control measures would be required prior to the scheduled auction activities. A second sampling event was conducted to document airborne Beryllium concentrations during the period auction attendees were present. Fourteen air samples were collected on each day of the auction - December 2, 3, 4, and 5, 1996.

Air samples were collected from the Lathes Room, Jig Bore Room, Lathes Mills Room, Hallway, Mills Room, Lap Room, and Grinding Room. The sixty-eight air samples were collected using personal air sampling pumps and were calibrated before and after the sampling events. The air samples were collected at positions ranging from 4 to 6 feet above ground surface to simulate the breathing zone of the auction attendees. Figure 2 shows all air sampling locations with respect to the building structure.

BERYLLIUM AIR SAMPLE ANALYTICAL RESULTS

The air samples collected throughout the facility were analyzed in accordance with National Institute of Occupational Safety and Health (NIOSH) method 7300. Beryllium was not detected in any of the sixty-eight air samples collected from the site. Copies of the Chain-of-Custody for the air samples are presented in Appendix A with the Laboratory Analytical Results presented in Appendix B. A summary of the analytical results are presented in Table 2.

TABLE 2

SUMMARY OF BERYLLIUM CONCENTRATIONS IN AIR SAMPLES

SAMPLE LOCATION	SAMPLE EVENT 1	SAMPLE EVENT 2			
	Nov. 19, 1996 (Sample Time: 315min.)	Dec. 2, 1996 (Sample Time: 480 min.)	Dec. 3, 1996 (Sample Time: 500 min.)	Dec. 4, 1996 (Sample Time: 500 min.)	Dec. 5, 1996 (Sample Time: 505 min.)
1	<0.04 $\mu g/m^3$	<0.035 $\mu g/m^3$	<0.033 $\mu g/m^3$	<0.033 $\mu g/m^3$	<0.033 $\mu g/m^3$
2	<0.01 $\mu g/m^3$	<0.035 $\mu g/m^3$	<0.033 $\mu g/m^3$	<0.033 $\mu g/m^3$	<0.033 $\mu g/m^3$
3	<0.04 $\mu g/m^3$	<0.035 $\mu g/m^3$	<0.033 $\mu g/m^3$	<0.033 $\mu g/m^3$	<0.033 $\mu g/m^3$
4	<0.04 $\mu g/m^3$	<0.035 $\mu g/m^3$	<0.033 $\mu g/m^3$	<0.033 $\mu g/m^3$	<0.033 $\mu g/m^3$
5	<0.04 $\mu g/m^3$	<0.035 $\mu g/m^3$	<0.033 $\mu g/m^3$	<0.033 $\mu g/m^3$	<0.033 $\mu g/m^3$
6	<0.04 $\mu g/m^3$	<0.035 $\mu g/m^3$	<0.033 $\mu g/m^3$	<0.033 $\mu g/m^3$	<0.033 $\mu g/m^3$
7	<0.04 $\mu g/m^3$	<0.035 $\mu g/m^3$	<0.033 $\mu g/m^3$	<0.033 $\mu g/m^3$	<0.033 $\mu g/m^3$
8	<0.04 $\mu g/m^3$	<0.035 $\mu g/m^3$	<0.033 $\mu g/m^3$	<0.033 $\mu g/m^3$	<0.033 $\mu g/m^3$
9	<0.04 $\mu g/m^3$	<0.035 $\mu g/m^3$	<0.033 $\mu g/m^3$	<0.033 $\mu g/m^3$	<0.033 $\mu g/m^3$
10	<0.04 $\mu g/m^3$	<0.035 $\mu g/m^3$	<0.033 $\mu g/m^3$	<0.033 $\mu g/m^3$	<0.033 $\mu g/m^3$
11	<0.04 $\mu g/m^3$	<0.035 $\mu g/m^3$	<0.033 $\mu g/m^3$	<0.033 $\mu g/m^3$	<0.033 $\mu g/m^3$
12	<0.04 $\mu g/m^3$	<0.035 $\mu g/m^3$	<0.033 $\mu g/m^3$	<0.033 $\mu g/m^3$	<0.033 $\mu g/m^3$
13	<1 μg/sample	<0.05 μg/sample	<0.05 μg/sample	<0.05 μg/sample	<0.05 μg/sample
14	<1 μg/sample	<0.05 μg/sample	<0.05 μg/sample	<0.05 μg/sample	<0.05 μg/sample

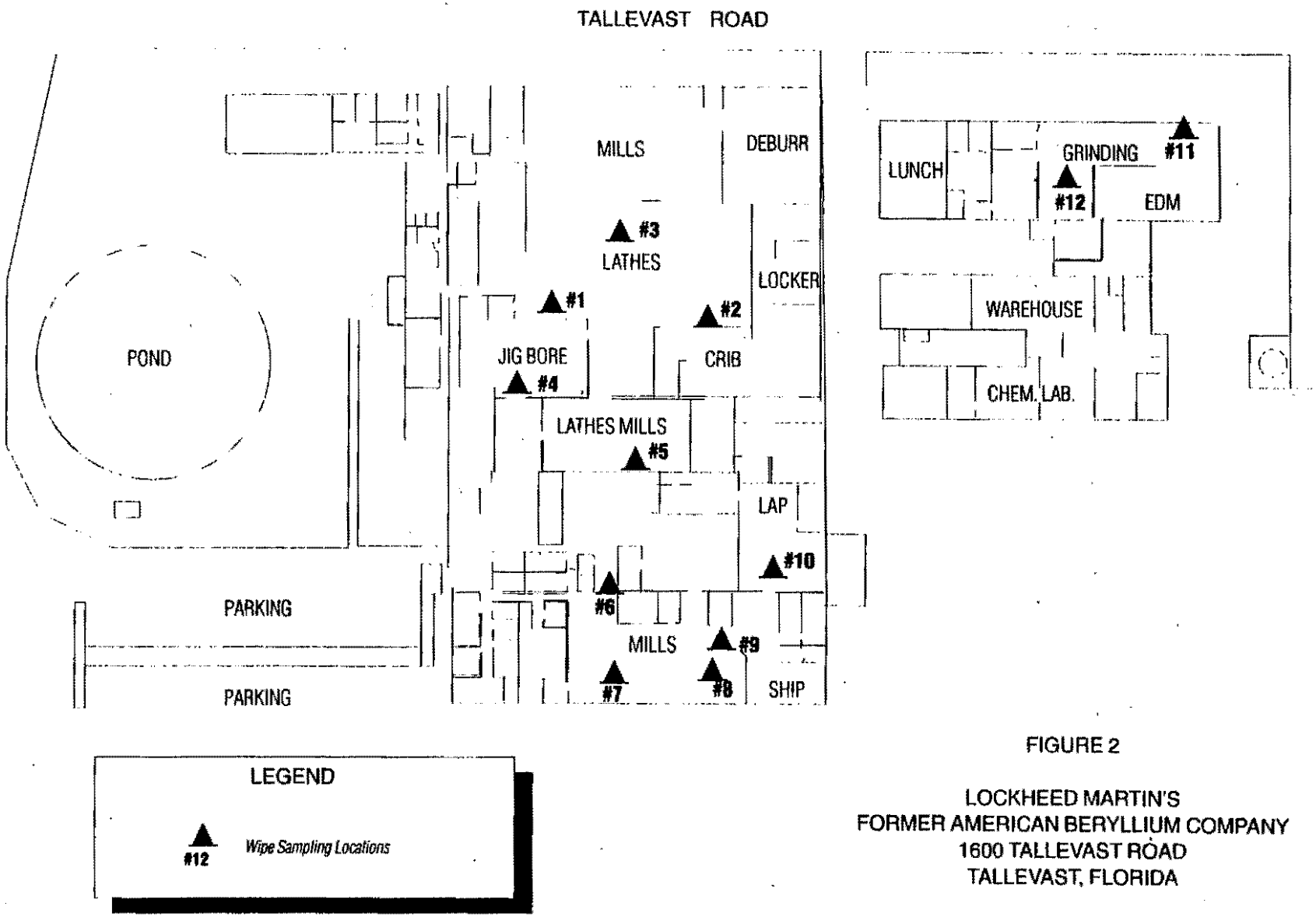


FIGURE 2

LOCKHEED MARTIN'S
FORMER AMERICAN BERYLLIUM COMPANY
1600 TALLEVAST ROAD
TALLEVAST, FLORIDA

CONCLUSIONS

As a result of Tetra Tech's sampling and analysis program, Beryllium was detected in surface residues at a maximum concentration of 0.8710 mg/ft^2. While Tetra Tech has identified various guidelines for Beryllium residue, we are unaware of any specific binding regulatory action level for the Beryllium dust.

Air samples collected throughout the ABC facility did not detect Beryllium above the method detection limit - *see attached laboratory data for specific method detection limits.* The published Occupational Safety and Health (OSHA) Permissible Exposure Limit (PEL) for Beryllium is 2 $\mu g/m^3$. Based on laboratory analysis of air samples collected throughout the ABC facility, Beryllium was not present above the PEL.

If you have any questions regarding the wipe or air sampling results please feel free to contact either Mr. Dan Batrack at (818) 351-4664 or Ms. Nisha Bansal at (818) 351-4664.

Sincerely,

Dan Batrack
Program Manager
Tetra Tech, Inc.

Attachments: Appendix A - Chain-of-Custody Forms
Appendix B - Laboratory Analytical Data Reports
Appendix C - Guidelines for Beryllium Residue

cc: Eric Wang, Lockheed Martin, Corp.
Nisha Bansal, Tt Engineering
file: "report.doc"

APPENDIX A

Wipe Samples BB-WIP

APOLLO ENVIRONMENTAL, INC.

SAMPLE ANALYSIS REQUEST FORM AND CUSTODY RECORD

AD # -

Client Name: PRC ENV MANAGEMENT INC

Address: 464 Wilmington Circle Oviedo FL 32765

Phone: (407) 366-3759 FAX Same

Contact Person: SUSAN SCHRADER

Project Name: LOCKHEED MARTIN BERYLLIUM

1600 TALLEVAST RD SARASOTA FL

Sample(s) Collected By: SA BUI

Date Samples Collected: 19 NOV 96

Type of Analysis	# of Samples
( ) PLM - Building Material for Asbestos Content	
( ) PCM - Air Samples NIOSH 7400 Method or ORM	
( ) TEM - Asbestos in Air	
( ) H2O - TDS, Sulfate, Chloride	
( ) Lead - Atomic Absorption, Lead in Paint, in water, in air	
* ( ) Other, please list Total Beryllium	32 + 3 FIELD BLANK

Turn Around Time Requested:

( ) Rush-ASAP (✓) 24 hour ( ) 48 hour ( ) Normal

Release by: [signature]	Date/Time: 19 NOV 96	Received by: Susan Schrader
Print Name: SA. BUI		Print Name: Susan Schrader
Release by: Susan Schrader	Date/Time: 11/19/96 7:55pm	Received by: [signature]
Print Name: Susan Schrader		Print Name: Robert Betts
Release by:	Date/Time:	Received by:
Print Name:		Print Name:

* Comments/Notes Do not analyze samples with a "QA" suffix (5QA, 12QA, 16QA, 22QA) - please hold these samples for further instruction.

11553 U.S. Highway 41 South • Post Office Box 239 • Gibsonton, Florida 33534-0239
Telephone: (813) 671-9999 • Toll Free: (800) 345-3181 • FAX: (813) 677-3422

LOG NO: G97-06-467

Received: 20 JUN 97

Mr. Frank Najafi
Tetra Tech, Inc.
670 North Rosemead Boulevard
Pasadena, CA 91107

Project: 149S-01

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
06-467-69	3-618-BE-06	18 JUN 97
06-467-70	3-618-BE-07	18 JUN 97
06-467-71	3-618-BE-08	18 JUN 97
06-467-72	3-618-BE-09	18 JUN 97
06-467-73	3-618-BE-10	18 JUN 97

PARAMETER	06-467-69	06-467-70	06-467-71	06-467-72	06-467-73
eryllium (6010), ug/wipe	810	760	1600	580	630
Digestion (3050), Date	06/25/97	06/25/97	06/25/97	06/25/97	06/25/97

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LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
06-467-74	3-618-BE-11	18 JUN 97
06-467-75	3-618-BE-12	18 JUN 97
06-467-76	3-618-BE-13	18 JUN 97
06-467-77	3-618-BE-14	18 JUN 97
06-467-78	3-618-BE-15	18 JUN 97

PARAMETER	06-467-74	06-467-75	06-467-76	06-467-77	06-467-78
eryllium (6010), ug/wipe	1800	210	1200	1200	1700
Digestion (3050), Date	06/25/97	06/25/97	06/25/97	06/25/97	06/25/97

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
06-467-79	3-618-BE-16	18 JUN 97
06-467-80	3-618-BE-17	18 JUN 97
06-467-81	3-618-BE-18	18 JUN 97

PARAMETER	06-467-79	06-467-80	06-467-81
Beryllium (6010), ug/wipe	320	250	290
Digestion (3050), Date	06/25/97	06/25/97	06/25/97

LOG NO: G97-06-467

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Project: 149S-01

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
06-467-82	5-618-CR-01	18 JUN 97
06-467-83	5-618-CR-02	18 JUN 97
06-467-84	5-618-CR-03	18 JUN 97
06-467-85	5-618-CR-04	18 JUN 97
06-467-86	5-618-CR-05	18 JUN 97

PARAMETER	06-467-82	06-467-83	06-467-84	06-467-85	06-467-86
.romium (6010), ug/wipe	1600	150	12	12	800
Zinc (6010), ug/wipe	850	220	20	29	500
Digestion (3050), Date	06/25/97	06/25/97	06/25/97	06/25/97	06/25/97

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Project: 149S-01

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
06-467-87	5-618-CR-06	18 JUN 97
06-467-88	5-618-CR-07	18 JUN 97
06-467-89	5-618-CR-08	18 JUN 97
06-467-90	5-618-CR-09	18 JUN 97
06-467-91	5-618-CR-10	18 JUN 97

PARAMETER	06-467-87	06-467-88	06-467-89	06-467-90	06-467-91
Chromium (6010), ug/wipe	9.5	12	8.6	3700	9600
Zinc (6010), ug/wipe	14	18	18	140	260
Digestion (3050), Date	06/25/97	06/25/97	06/25/97	06/25/97	06/25/97

LOG NO: G97-06-467

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670 North Rosemead Boulevard
Pasadena, CA 91107

Project: 149S-01

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
06-467-92	5-618-ZNCR-01	18 JUN 97
06-467-93	5-618-ZNCR-02	18 JUN 97
06-467-94	5-618-ZNCR-03	18 JUN 97
06-467-95	5-618-ZN-01	18 JUN 97
06-467-96	5-618-ZN-02	18 JUN 97

PARAMETER	06-467-92	06-467-93	06-467-94	06-467-95	06-467-96
Chromium (6010), ug/wipe	18000	6100	11000	190	180
Zinc (6010), ug/wipe	94	41	270	180	310
Digestion (3050), Date	06/25/97	06/25/97	06/25/97	06/25/97	06/25/97

LOG NO: G97-06-467

Received: 20 JUN 97

Mr. Frank Najafi
Tetra Tech, Inc.
670 North Rosemead Boulevard
Pasadena, CA 91107

Project: 1495-01

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
06-467-97	5-618-ZN-03	18 JUN 97
06-467-98	5-618-ZN-04	18 JUN 97
06-467-99	5-618-ZN-05	18 JUN 97
06-467-100	5-618-ZN-06	18 JUN 97
06-467-101	5-618-ZN-07	18 JUN 97

PARAMETER	06-467-97	06-467-98	06-467-99	06-467-100	06-467-101
ıromium (6010), ug/wipe	94	350	83	120	29
Zinc (6010), ug/wipe	31	120	39	60	23
Digestion (3050), Date	06/25/97	06/25/97	06/25/97	06/25/97	06/25/97

LOG NO: G97-06-467

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Tetra Tech, Inc.
670 North Rosemead Boulevard
Pasadena, CA 91107

Project: 149S-01

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
06-467-102	5-618-ZN-08	18 JUN 97
06-467-103	5-618-ZN-09	18 JUN 97
06-467-104	5-618-ZN-10	18 JUN 97

PARAMETER	06-467-102	06-467-103	06-467-104
Chromium (6010), ug/wipe	49	480	710
inc (6010), ug/wipe	36	130	180
gestion (3050), Date	06/25/97	06/25/97	06/25/97

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670 North Rosemead Boulevard
Pasadena, CA 91107

Project: 149S-01

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
06-467-105	5-617-VOC-1	17 JUN 97
06-467-106	5-617-VOC-2	17 JUN 97
06-467-107	5-617-VOC-3	17 JUN 97
06-467-108	5-617-VOC-4	17 JUN 97
06-467-109	5-617-VOC-5	17 JUN 97

PARAMETER	06-467-105	06-467-106	06-467-107	06-467-108	06-467-109
Volatile Organics (8260A)					
Date Analyzed	06/26/97	06/26/97	06/26/97	06/26/97	06/26/97
Dilution Factor, Times	1	1	1	1	1
1,1,1,2-Tetrachloroethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,1-Trichloroethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2,2-Tetrachloroethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloropropene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,2,3-Trichlorobenzene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,2,3-Trichloropropane, ug/L	<1	<1	<1	<1	<1
1,2,4-Trichlorobenzene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,2,4-Trimethylbenzene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dibromo-3-chloropropane, ug/L	<2	<2	<2	<2	<2
1,2-Dibromoethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloroethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichlorobenzene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloropropane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,3,5-Trimethylbenzene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,3-Dichlorobenzene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,3-Dichloropropane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,4-Dichlorobenzene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5

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LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
06-467-105	5-617-VOC-1	17 JUN 97
06-467-106	5-617-VOC-2	17 JUN 97
06-467-107	5-617-VOC-3	17 JUN 97
06-467-108	5-617-VOC-4	17 JUN 97
06-467-109	5-617-VOC-5	17 JUN 97

PARAMETER	06-467-105	06-467-106	06-467-107	06-467-108	06-467-109
2,2-Dichloropropane, ug/L	<1	<1	<1	<1	<1
2-Chloroethylvinylether, ug/L	<4	<4	<4	<4	<4
2-Chlorotoluene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
2-Hexanone, ug/L	<5	<5	<5	<5	<5
4-Chlorotoluene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Acetone, ug/L	<10	<10	<10	<10	<10
Bromobenzene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Bromochloromethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Bromomethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Benzene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Bromoform, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Chlorobenzene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Carbon Tetrachloride, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroform, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Chloromethane, ug/L	<1	<1	<1	<1	<1
Carbon Disulfide, ug/L	<2	<2	<2	<2	<2
Dibromochloromethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Dibromomethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Dichlorodifluoromethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Freon 113, ug/L	<1	<1	<1	<1	<1

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LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
06-467-105	5-617-VOC-1	17 JUN 97
06-467-106	5-617-VOC-2	17 JUN 97
06-467-107	5-617-VOC-3	17 JUN 97
06-467-108	5-617-VOC-4	17 JUN 97
06-467-109	5-617-VOC-5	17 JUN 97

PARAMETER	06-467-105	06-467-106	06-467-107	06-467-108	06-467-109
Hexachlorobutadiene, ug/L	<1	<1	<1	<1	<1
Isopropylbenzene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Methyl ethyl ketone, ug/L	<10	<10	<10	<10	<10
Methyl isobutyl ketone, ug/L	<4	<4	<4	<4	<4
Methyl-tert-butylether, ug/L	<5	<5	<5	<5	<5
Methylene chloride, ug/L	<2	<2	<2	<2	<2
N-Butylbenzene, ug/L	<1	<1	<1	<1	<1
N-Propylbenzene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Naphthalene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Styrene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Trichloroethene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Trichlorofluoromethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Tetrachloroethene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Vinyl acetate, ug/L	<5	<5	<5	<5	<5
Vinyl chloride, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
cis-1,2-Dichloroethene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
m- and p-Xylene Isomers, ug/L	<1	<1	<1	<1	<1
o-Xylene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
p-Isopropyl toluene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
sec-Butylbenzene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
tert-Butylbenzene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5

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06-467-105	5-617-VOC-1	17 JUN 97
06-467-106	5-617-VOC-2	17 JUN 97
06-467-107	5-617-VOC-3	17 JUN 97
06-467-108	5-617-VOC-4	17 JUN 97
06-467-109	5-617-VOC-5	17 JUN 97

PARAMETER	06-467-105	06-467-106	06-467-107	06-467-108	06-467-109
Surrogates **					
4-Bromofluorobenzene Rep., ug/L	48.0	48.2	49.0	47.8	48.2
4-Bromofluorobenzene Theo., ug/L	50.0	50.0	50.0	50.0	50.0
Toluene-d8 Reported, ug/L	48.2	48.5	48.7	48.2	49.0
Toluene-d8 Theo., ug/L	50.0	50.0	50.0	50.0	50.0
Dibromofluoromethane Rep., ug/L	48.0	48.1	47.8	47.6	48.2
Dibromofluoromethane Theo., ug/L	50.0	50.0	50.0	50.0	50.0

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LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
06-467-110	5-617-VOC-6	17 JUN 97
06-467-111	5-618-VOC-7	17 JUN 97
06-467-112	5-618-VOC-8	17 JUN 97
06-467-113	5-618-VOC-9	17 JUN 97
06-467-114	5-618-VOC-10	17 JUN 97

PARAMETER	06-467-110	06-467-111	06-467-112	06-467-113	06-467-114
Volatile Organics (8260A)					
Date Analyzed	06/26/97	06/26/97	06/26/97	06/26/97	06/27/97
Dilution Factor, Times	1	1	1	1	1
1,1,1,2-Tetrachloroethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,1-Trichloroethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2,2-Tetrachloroethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloropropene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,2,3-Trichlorobenzene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,2,3-Trichloropropane, ug/L	<1	<1	<1	<1	<1
1,2,4-Trichlorobenzene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,2,4-Trimethylbenzene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dibromo-3-chloropropane, ug/L	<2	<2	<2	<2	<2
1,2-Dibromoethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloroethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichlorobenzene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloropropane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,3,5-Trimethylbenzene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,3-Dichlorobenzene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,3-Dichloropropane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,4-Dichlorobenzene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5

LOG NO: G97-06-467

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
06-467-110	5-617-VOC-6	17 JUN 97
06-467-111	5-618-VOC-7	17 JUN 97
06-467-112	5-618-VOC-8	17 JUN 97
06-467-113	5-618-VOC-9	17 JUN 97
06-467-114	5-618-VOC-10	17 JUN 97

PARAMETER	06-467-110	06-467-111	06-467-112	06-467-113	06-467-114
2,2-Dichloropropane, ug/L	<1	<1	<1	<1	<1
2-Chloroethylvinylether, ug/L	<4	<4	<4	<4	<4
2-Chlorotoluene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
2-Hexanone, ug/L	<5	<5	<5	<5	<5
4-Chlorotoluene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Acetone, ug/L	<10	<10	<10	10	12
Bromobenzene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Bromochloromethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Bromomethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Benzene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Bromoform, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Chlorobenzene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Carbon Tetrachloride, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroform, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Chloromethane, ug/L	<1	<1	<1	<1	<1
Carbon Disulfide, ug/L	<2	<2	<2	<2	<2
Dibromochloromethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Dibromomethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Dichlorodifluoromethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Freon 113, ug/L	<1	<1	<1	<1	<1

LOG NO: G97-06-467

Received: 20 JUN 97

Mr. Frank Najafi
Tetra Tech, Inc.
670 North Rosemead Boulevard
Pasadena, CA 91107

Project: 149S-01

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
06-467-110	5-617-VOC-6	17 JUN 97
06-467-111	5-618-VOC-7	17 JUN 97
06-467-112	5-618-VOC-8	17 JUN 97
06-467-113	5-618-VOC-9	17 JUN 97
06-467-114	5-618-VOC-10	17 JUN 97

PARAMETER	06-467-110	06-467-111	06-467-112	06-467-113	06-467-114
Hexachlorobutadiene, ug/L	<1	<1	<1	<1	<1
Isopropylbenzene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Methyl ethyl ketone, ug/L	<10	<10	<10	20	20
Methyl isobutyl ketone, ug/L	<4	<4	<4	<4	<4
Methyl-tert-butylether, ug/L	<5	<5	<5	<5	<5
Methylene chloride, ug/L	<2	<2	<2	<2	<2
N-Butylbenzene, ug/L	<1	<1	<1	<1	<1
N-Propylbenzene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Naphthalene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Styrene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Trichloroethene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Trichlorofluoromethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene, ug/L	<0.5	<0.5	<0.5	0.55	0.64
Tetrachloroethene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Vinyl acetate, ug/L	<5	<5	<5	<5	<5
Vinyl chloride, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
cis-1,2-Dichloroethene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
m- and p-Xylene Isomers, ug/L	<1	<1	<1	1.5	2.2
o-Xylene, ug/L	<0.5	<0.5	<0.5	1.3	1.6
p-Isopropyl toluene, ug/L	<0.5	<0.5	<0.5	0.69	<0.5
sec-Butylbenzene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
tert-Butylbenzene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5

LOG NO: G97-06-467

Received: 20 JUN 97

Mr. Frank Najafi
Tetra Tech, Inc.
670 North Rosemead Boulevard
Pasadena, CA 91107

Project: 149S-01

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
06-467-110	5-617-VOC-6	17 JUN 97
06-467-111	5-618-VOC-7	17 JUN 97
06-467-112	5-618-VOC-8	17 JUN 97
06-467-113	5-618-VOC-9	17 JUN 97
06-467-114	5-618-VOC-10	17 JUN 97

PARAMETER	06-467-110	06-467-111	06-467-112	06-467-113	06-467-114
Surrogates **					
4-Bromofluorobenzene Rep., ug/L	47.9	48.3	49.0	48.8	48.1
4-Bromofluorobenzene Theo., ug/L	50.0	50.0	50.0	50.0	50.0
Toluene-d8 Reported, ug/L	48.5	48.3	49.9	49.4	48.5
Toluene-d8 Theo., ug/L	50.0	50.0	50.0	50.0	50.0
Dibromofluoromethane Rep., ug/L	48.1	48.3	47.4	48.3	48.9
Dibromofluoromethane Theo., ug/L	50.0	50.0	50.0	50.0	50.0

LOG NO: G97-06-467

Received: 20 JUN 97

Mr. Frank Najafi
Tetra Tech, Inc.
670 North Rosemead Boulevard
Pasadena, CA 91107

Project: 149S-01

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
06-467-115	5-618-VOC-11	17 JUN 97
06-467-116	5-618-VOC-12	17 JUN 97
06-467-117	5-618-VOC-13	17 JUN 97
06-467-118	2-617-CFC-1	17 JUN 97
06-467-119	1-617-CFC-1	17 JUN 97

PARAMETER	06-467-115	06-467-116	06-467-117	06-467-118	06-467-119
.olatile Organics (8260A)					
Date Analyzed	06/27/97	06/27/97	06/26/97	06/27/97	06/27/97
Dilution Factor, Times	1	1	1	1	1
1,1,1,2-Tetrachloroethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,1-Trichloroethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2,2-Tetrachloroethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloropropene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,2,3-Trichlorobenzene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,2,3-Trichloropropane, ug/L	<1	<1	<1	<1	<1
1,2,4-Trichlorobenzene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,2,4-Trimethylbenzene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dibromo-3-chloropropane, ug/L	<2	<2	<2	<2	<2
1,2-Dibromoethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloroethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichlorobenzene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloropropane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,3,5-Trimethylbenzene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,3-Dichlorobenzene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,3-Dichloropropane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,4-Dichlorobenzene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5

LOG NO: G97-06-467

Received: 20 JUN 97

Mr. Frank Najafi
Tetra Tech, Inc.
670 North Rosemead Boulevard
Pasadena, CA 91107

Project: 149S-01

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
06-467-115	5-618-VOC-11	17 JUN 97
06-467-116	5-618-VOC-12	17 JUN 97
06-467-117	5-618-VOC-13	17 JUN 97
06-467-118	2-617-CFC-1	17 JUN 97
06-467-119	1-617-CFC-1	17 JUN 97

PARAMETER	06-467-115	06-467-116	06-467-117	06-467-118	06-467-119
2,2-Dichloropropane, ug/L	<1	<1	<1	<1	<1
2-Chloroethylvinylether, ug/L	<4	<4	<4	<4	<4
2-Chlorotoluene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
2-Hexanone, ug/L	<5	<5	<5	<5	<5
4-Chlorotoluene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Acetone, ug/L	<10	<10	<10	<10	<10
Bromobenzene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Bromochloromethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Bromomethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Benzene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Bromoform, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Chlorobenzene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Carbon Tetrachloride, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroform, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Chloromethane, ug/L	<1	<1	<1	<1	<1
Carbon Disulfide, ug/L	<2	<2	<2	<2	<2
Dibromochloromethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Dibromomethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Dichlorodifluoromethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Freon 113, ug/L	<1	1.6	<1	<1	<1

LOG NO: G97-06-467

Received: 20 JUN 97
Mailed : 07 JUL 97

Mr. Frank Najafi
Tetra Tech, Inc.
670 North Rosemead Boulevard
Pasadena, CA 91107

Project: 149S-01

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
06-467-115	5-618-VOC-11	17 JUN 97
06-467-116	5-618-VOC-12	17 JUN 97
06-467-117	5-618-VOC-13	17 JUN 97
06-467-118	2-617-CFC-1	17 JUN 97
06-467-119	1-617-CFC-1	17 JUN 97

PARAMETER	06-467-115	06-467-116	06-467-117	06-467-118	06-467-119
exachlorobutadiene, ug/L	<1	<1	<1	<1	<1
Isopropylbenzene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Methyl ethyl ketone, ug/L	<10	<10	<10	<10	<10
Methyl isobutyl ketone, ug/L	<4	<4	<4	<4	<4
Methyl-tert-butylether, ug/L	<5	<5	<5	<5	<5
Methylene chloride, ug/L	<2	<2	<2	<2	<2
N-Butylbenzene, ug/L	<1	<1	<1	<1	<1
N-Propylbenzene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Naphthalene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Styrene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Trichloroethene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Trichlorofluoromethane, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Tetrachloroethene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Vinyl acetate, ug/L	<5	<5	<5	<5	<5
Vinyl chloride, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
cis-1,2-Dichloroethene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
m- and p-Xylene Isomers, ug/L	<1	<1	<1	<1	<1
o-Xylene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
p-Isopropyl toluene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
sec-Butylbenzene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
tert-Butylbenzene, ug/L	<0.5	<0.5	<0.5	<0.5	<0.5

LOG NO: G97-06-467

Received: 20 JUN 97

Mr. Frank Najafi
Tetra Tech, Inc.
670 North Rosemead Boulevard
Pasadena, CA 91107

Project: 1495-01

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
06-467-115	5-618-VOC-11	17 JUN 97
06-467-116	5-618-VOC-12	17 JUN 97
06-467-117	5-618-VOC-13	17 JUN 97
06-467-118	2-617-CFC-1	17 JUN 97
06-467-119	1-617-CFC-1	17 JUN 97

PARAMETER	06-467-115	06-467-116	06-467-117	06-467-118	06-467-119
Surrogates **					
4-Bromofluorobenzene Rep., ug/L	47.4	49.7	48.1	49.1	49.8
4-Bromofluorobenzene Theo., ug/L	50.0	50.0	50.0	50.0	50.0
Toluene-d8 Reported, ug/L	48.4	48.8	49.0	49.1	48.1
Toluene-d8 Theo., ug/L	50.0	50.0	50.0	50.0	50.0
Dibromofluoromethane Rep., ug/L	47.1	48.7	48.5	47.7	48.2
Dibromofluoromethane Theo., ug/L	50.0	50.0	50.0	50.0	50.0

LOG NO: G97-06-467

Received: 20 JUN 97

Mr. Frank Najafi
Tetra Tech, Inc.
670 North Rosemead Boulevard
Pasadena, CA 91107

Project: 149S-01

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
06-467-120	5-617-CFC-1	17 JUN 97
06-467-121	1-617-CFC-2	17 JUN 97
06-467-122	3-617-CFC-1	17 JUN 97
06-467-123	5-617-CFC-2	17 JUN 97

PARAMETER	06-467-120	06-467-121	06-467-122	06-467-123
Volatile Organics (8260A)				
Date Analyzed	06/27/97	06/27/97	06/27/97	06/27/97
Dilution Factor, Times	1	1	1	1
1,1,1,2-Tetrachloroethane, ug/L	<0.5	<0.5	<0.5	<0.5
1,1,1-Trichloroethane, ug/L	<0.5	<0.5	<0.5	<0.5
1,1,2,2-Tetrachloroethane, ug/L	<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane, ug/L	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane, ug/L	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethene, ug/L	<0.5	<0.5	<0.5	<0.5
1,1-Dichloropropene, ug/L	<0.5	<0.5	<0.5	<0.5
1,2,3-Trichlorobenzene, ug/L	<0.5	<0.5	<0.5	<0.5
1,2,3-Trichloropropane, ug/L	<1	<1	<1	<1
1,2,4-Trichlorobenzene, ug/L	<0.5	<0.5	<0.5	<0.5
1,2,4-Trimethylbenzene, ug/L	<0.5	<0.5	<0.5	<0.5
1,2-Dibromo-3-chloropropane, ug/L	<2	<2	<2	<2
1,2-Dibromoethane, ug/L	<0.5	<0.5	<0.5	<0.5
1,2-Dichloroethane, ug/L	<0.5	<0.5	<0.5	<0.5
1,2-Dichlorobenzene, ug/L	<0.5	<0.5	<0.5	<0.5
1,2-Dichloropropane, ug/L	<0.5	<0.5	<0.5	<0.5
1,3,5-Trimethylbenzene, ug/L	<0.5	<0.5	<0.5	<0.5
1,3-Dichlorobenzene, ug/L	<0.5	<0.5	<0.5	<0.5
1,3-Dichloropropane, ug/L	<0.5	<0.5	<0.5	<0.5
1,4-Dichlorobenzene, ug/L	<0.5	<0.5	<0.5	<0.5
2,2-Dichloropropane, ug/L	<1	<1	<1	<1

LOG NO: G97-06-467

Received: 20 JUN 97

Mr. Frank Najafi
Tetra Tech, Inc.
670 North Rosemead Boulevard
Pasadena, CA 91107

Project: 149S-01

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
06-467-120	5-617-CFC-1	17 JUN 97
06-467-121	1-617-CFC-2	17 JUN 97
06-467-122	3-617-CFC-1	17 JUN 97
06-467-123	5-617-CFC-2	17 JUN 97

PARAMETER	06-467-120	06-467-121	06-467-122	06-467-123
2-Chloroethylvinylether, ug/L	<4	<4	<4	<4
2-Chlorotoluene, ug/L	<0.5	<0.5	<0.5	<0.5
2-Hexanone, ug/L	<5	<5	<5	<5
4-Chlorotoluene, ug/L	<0.5	<0.5	<0.5	<0.5
Acetone, ug/L	<10	<10	<10	<10
Bromobenzene, ug/L	<0.5	<0.5	<0.5	<0.5
Bromochloromethane, ug/L	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane, ug/L	<0.5	<0.5	<0.5	<0.5
Bromomethane, ug/L	<0.5	<0.5	<0.5	<0.5
Benzene, ug/L	<0.5	<0.5	<0.5	<0.5
Bromoform, ug/L	<0.5	<0.5	<0.5	<0.5
Chlorobenzene, ug/L	<0.5	<0.5	<0.5	<0.5
Carbon Tetrachloride, ug/L	<0.5	<0.5	<0.5	<0.5
Chloroethane, ug/L	<0.5	<0.5	<0.5	<0.5
Chloroform, ug/L	<0.5	<0.5	<0.5	<0.5
Chloromethane, ug/L	<1	<1	<1	<1
Carbon Disulfide, ug/L	<2	<2	<2	<2
Dibromochloromethane, ug/L	<0.5	<0.5	<0.5	<0.5
Dibromomethane, ug/L	<0.5	<0.5	<0.5	<0.5
Dichlorodifluoromethane, ug/L	<0.5	<0.5	<0.5	<0.5
Ethylbenzene, ug/L	<0.5	<0.5	<0.5	<0.5
Freon 113, ug/L	<1	<1	<1	<1
Hexachlorobutadiene, ug/L	<1	<1	<1	<1
Isopropylbenzene, ug/L	<0.5	<0.5	<0.5	<0.5

LOG NO: G97-06-467

Received: 20 JUN 97

Mr. Frank Najafi
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670 North Rosemead Boulevard
Pasadena, CA 91107

Project: 149S-01

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
06-467-120	5-617-CFC-1	17 JUN 97
06-467-121	1-617-CFC-2	17 JUN 97
06-467-122	3-617-CFC-1	17 JUN 97
06-467-123	5-617-CFC-2	17 JUN 97

PARAMETER	06-467-120	06-467-121	06-467-122	06-467-123
ethyl ethyl ketone, ug/L	<10	<10	<10	<10
ethyl isobutyl ketone, ug/L	<4	<4	<4	<4
Methyl-tert-butylether, ug/L	<5	<5	<5	<5
Methylene chloride, ug/L	<2	<2	<2	<2
N-Butylbenzene, ug/L	<1	<1	<1	<1
N-Propylbenzene, ug/L	<0.5	<0.5	<0.5	<0.5
Naphthalene, ug/L	<0.5	<0.5	<0.5	<0.5
Styrene, ug/L	<0.5	<0.5	<0.5	<0.5
Trichloroethene, ug/L	<0.5	<0.5	<0.5	<0.5
Trichlorofluoromethane, ug/L	<0.5	<0.5	<0.5	<0.5
Toluene, ug/L	<0.5	<0.5	<0.5	<0.5
Tetrachloroethene, ug/L	<0.5	<0.5	<0.5	<0.5
Vinyl acetate, ug/L	<5	<5	<5	<5
Vinyl chloride, ug/L	<0.5	<0.5	<0.5	<0.5
cis-1,2-Dichloroethene, ug/L	<0.5	<0.5	<0.5	<0.5
m- and p-Xylene Isomers, ug/L	<1	<1	<1	<1
o-Xylene, ug/L	<0.5	<0.5	<0.5	<0.5
p-Isopropyl toluene, ug/L	<0.5	<0.5	<0.5	<0.5
sec-Butylbenzene, ug/L	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene, ug/L	<0.5	<0.5	<0.5	<0.5
tert-Butylbenzene, ug/L	<0.5	<0.5	<0.5	<0.5
Surrogates **				
4-Bromofluorobenzene Rep., ug/L	48.6	49.1	48.9	48.9
4-Bromofluorobenzene Theo., ug/L	50.0	50.0	50.0	50.0

LOG NO: G97-06-467

Received: 20 JUN 97

Mr. Frank Najafi
Tetra Tech, Inc.
670 North Rosemead Boulevard
Pasadena, CA 91107

Project: 149S-01

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
06-467-120	5-617-CFC-1	17 JUN 97
06-467-121	1-617-CFC-2	17 JUN 97
06-467-122	3-617-CFC-1	17 JUN 97
06-467-123	5-617-CFC-2	17 JUN 97

PARAMETER	06-467-120	06-467-121	06-467-122	06-467-123
Toluene-d8 Reported, ug/L	47.9	49.2	48.7	45.6
Toluene-d8 Theo., ug/L	50.0	50.0	50.0	50.0
Dibromofluoromethane Rep., ug/L	47.8	47.6	47.9	48.2
Dibromofluoromethane Theo., ug/L	50.0	50.0	50.0	50.0

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LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
06-467-124	5-617-PCB-1	17 JUN 97
06-467-125	5-617-PCB-2	17 JUN 97
06-467-126	5-617-PCB-3	17 JUN 97

PARAMETER	06-467-124	06-467-125	06-467-126
PCBs (8080)			
Date Analyzed	07/02/97	07/02/97	07/02/97
Date Extracted	06/26/97	06/26/97	06/26/97
Dilution Factor, Times	14	14	14
Aroclor 1016, ug/L	<20	<20	<20
Aroclor 1221, ug/L	<20	<20	<20
Aroclor 1232, ug/L	<20	<20	<20
Aroclor 1242, ug/L	<20	<20	<20
Aroclor 1248, ug/L	<20	<20	<20
Aroclor 1254, ug/L	<20	<20	<20
Aroclor 1260, ug/L	<20	<20	<20
Surrogates **			
Decachlorobiphenyl Reported, ug/L	0.0805	0.165	0.105
Decachlorobiphenyl Theoretical, ug/L	0.250	0.250	0.250
Tetrachloro-meta-xylene Rpt., ug/L	0.190	0.201	0.167
Tetrachloro-meta-xylene Theor., ug/L	0.250	0.250	0.250

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LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
06-467-127	5-617-TRPH-1	17 JUN 97
06-467-128	5-617-TRPH-2	17 JUN 97
06-467-129	5-617-TRPH-3	17 JUN 97
06-467-130	5-617-TRPH-4	17 JUN 97
06-467-131	5-617-TRPH-5	17 JUN 97

PARAMETER	06-467-127	06-467-128	06-467-129	06-467-130	06-467-131
RPH (418.1), mg/L	31	22	12	3.0	2.8

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LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
06-467-132	5-617-TRPH-6	17 JUN 97
06-467-133	5-617-TRPH-7	17 JUN 97
06-467-134	5-617-TRPH-8	17 JUN 97
06-467-135	5-618-TRPH-9	18 JUN 97
06-467-136	5-618-TRPH-10	18 JUN 97

PARAMETER	06-467-132	06-467-133	06-467-134	06-467-135	06-467-136
TRPH (418.1), mg/L	10	11	13	76	43

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
06-467-137	5-615-P-01	15 JUN 97
06-467-138	5-615-P-02	15 JUN 97
06-467-139	5-615-P-03	15 JUN 97
06-467-140	5-615-P-04	15 JUN 97
06-467-141	5-615-P-05	15 JUN 97

PARAMETER	06-467-137	06-467-138	06-467-139	06-467-140	06-467-141
Lead (6010), mg/kg	<5	15	150	30	510
Digestion (3050), Date	06/25/97	06/25/97	06/25/97	06/25/97	06/25/97

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LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
06-467-142	5-615-P-06	15 JUN 97
06-467-143	5-615-P-07	15 JUN 97
06-467-144	5-615-P-08	15 JUN 97
06-467-145	2-615-P-01	15 JUN 97
06-467-146	2-615-P-02	15 JUN 97

PARAMETER	06-467-142	06-467-143	06-467-144	06-467-145	06-467-146
Lead (6010), mg/kg	20	8.4	10	550	470
Digestion (3050), Date	06/25/97	06/25/97	06/25/97	06/25/97	06/25/97

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LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
06-467-147	2-615-P-03	15 JUN 97
06-467-148	2-615-P-04	15 JUN 97
06-467-149	2-615-P-05	15 JUN 97
06-467-150	2-615-P-06	15 JUN 97
06-467-151	2-615-P-07	15 JUN 97

PARAMETER	06-467-147	06-467-148	06-467-149	06-467-150	06-467-151
Lead (6010), mg/kg	48	<5	23	3200	7.7
Digestion (3050), Date	06/25/97	06/25/97	06/25/97	06/25/97	06/25/97

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LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
06-467-152	2-615-P-08	15 JUN 97
06-467-153	2-615-P-09	15 JUN 97
06-467-154	2-615-P-10	15 JUN 97
06-467-155	2-615-P-11	15 JUN 97
06-467-156	2-615-12	15 JUN 97

PARAMETER	06-467-152	06-467-153	06-467-154	06-467-155	06-467-156
Lead (6010), mg/kg	<7	<5	14	<6	4.4
Digestion (3050), Date	06/25/97	06/25/97	06/25/97	06/25/97	06/25/97

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LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
06-467-157	1-617-P1	17 JUN 97
06-467-158	1-617-P2	17 JUN 97
06-467-159	1-617-P3	17 JUN 97
06-467-160	1-617-P4	17 JUN 97
06-467-161	1-617-P5	17 JUN 97

PARAMETER	06-467-157	06-467-158	06-467-159	06-467-160	06-467-161
Lead (6010), mg/kg	8.5	<30	7	390	500
Digestion (3050), Date	06/25/97	06/25/97	06/25/97	06/25/97	06/25/97

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LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
06-467-162	1-617-P6	17 JUN 97
06-467-163	1-617-P7	17 JUN 97
06-467-164	1-617-P8	17 JUN 97
06-467-165	1-617-P9	17 JUN 97
06-467-166	1-617-P10	17 JUN 97

PARAMETER	06-467-162	06-467-163	06-467-164	06-467-165	06-467-166
Lead (6010), mg/kg	730	8100	14	57	12
Digestion (3050), Date	06/25/97	06/25/97	06/25/97	06/25/97	06/25/97

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LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
06-467-167	1-617-P11	17 JUN 97
06-467-168	1-617-P12	17 JUN 97
06-467-169	1-617-P13	17 JUN 97
06-467-170	1-617-P14	17 JUN 97
06-467-171	1-617-P15	17 JUN 97

PARAMETER	06-467-167	06-467-168	06-467-169	06-467-170	06-467-171
Lead (6010), mg/kg	20	<5	1500	87	960
Digestion (3050), Date	06/25/97	06/25/97	06/25/97	06/25/97	06/25/97

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LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
06-467-172	3-617-P16	17 JUN 97
06-467-173	3-617-P17	17 JUN 97
06-467-174	3-617-P18	17 JUN 97
06-467-175	3-617-P19	17 JUN 97
06-467-176	3-617-P20	17 JUN 97

PARAMETER	06-467-172	06-467-173	06-467-174	06-467-175	06-467-176
Lead (6010), mg/kg	5.5	92	<20	16	170
Digestion (3050), Date	06/25/97	06/25/97	06/25/97	06/25/97	06/25/97

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LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
06-467-177	3-617-P21	17 JUN 97
06-467-178	P-617-P22	17 JUN 97
06-467-179	3-617-P23	17 JUN 97
06-467-180	3-617-P24	17 JUN 97
06-467-181	4-618-P25	17 JUN 97

PARAMETER	06-467-177	06-467-178	06-467-179	06-467-180	06-467-181
Lead (6010), mg/kg	44	16	560	78	120
Digestion (3050), Date	06/25/97	06/25/97	06/25/97	06/25/97	06/25/97

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
06-467-182	4-618-P26	17 JUN 97
06-467-183	4-618-P27	17 JUN 97
06-467-184	4-617-P28	17 JUN 97

PARAMETER	06-467-182	06-467-183	06-467-184
Lead (6010), mg/kg	160	11	8.0
Digestion (3050), Date	06/25/97	06/25/97	06/25/97

Linda Hedden for GG

Greta Galoustian, Laboratory Director

SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
467*1	1-618-PCB-01	8080,PCB	06.30.97	8080	536-26	97114	7616
9706467*2	5-618-PCB-01	8080,PCB	07.01.97	8080	536-26	97114	7616
9706467*3	2-618-PCB-01	8080,PCB	06.30.97	8080	536-26	97114	7616
9706467*4	2-618-BE-01	BE	06.25.97	6010	535-03	971738	7396
		DIG,NAQ.HCL	06.25.97	3050		971738	8488
9706467*5	2-618-BE-02	BE	06.25.97	6010	535-03	971738	7396
		DIG,NAQ.HCL	06.25.97	3050		971738	8488
9706467*6	2-618-BE-03	BE	06.25.97	6010	535-03	971738	7396
		DIG,NAQ.HCL	06.25.97	3050		971738	8488
9706467*7	2-618-BE-04	BE	06.25.97	6010	535-03	971738	7396
		DIG,NAQ.HCL	06.25.97	3050		971738	8488
9706467*8	2-618-BE-05	BE	06.25.97	6010	535-03	971738	7396
		DIG,NAQ.HCL	06.25.97	3050		971738	8488
9706467*9	2-618-BE-06	BE	06.25.97	6010	535-03	971738	7396
		DIG,NAQ.HCL	06.25.97	3050		971738	8488
9706467*10	2-618-BE-07	BE	06.25.97	6010	535-03	971738	7396
		DIG,NAQ.HCL	06.25.97	3050		971738	8488
9706467*11	2-618-BE-08	BE	06.25.97	6010	535-03	971738	7396
		DIG,NAQ.HCL	06.25.97	3050		971738	8488
9706467*12	2-618-BE-09	BE	06.26.97	6010	535-03	971738	7396
		DIG,NAQ.HCL	06.25.97	3050		971738	8488
9706467*13	2-618-BE-10	BE	06.26.97	6010	535-03	971738	7396
		DIG,NAQ.HCL	06.25.97	3050		971738	8488
9706467*14	2-618-BE-11	BE	06.26.97	6010	535-03	971738	7396
		DIG,NAQ.HCL	06.25.97	3050		971738	8488
9706467*15	2-618-BE-12	BE	06.26.97	6010	535-03	971738	7396
		DIG,NAQ.HCL	06.25.97	3050		971738	8488
9706467*16	2-618-BE-13	BE	06.25.97	6010	535-03	971738	7396
		DIG,NAQ.HCL	06.25.97	3050		971738	8488
9706467*17	2-618-BE-14	BE	06.26.97	6010	535-03	971738	7396
		DIG,NAQ.HCL	06.25.97	3050		971738	8488
9706467*18	2-618-BE-15	BE	06.25.97	6010	535-03	971738	7396
		DIG,NAQ.HCL	06.25.97	3050		971738	8488
9706467*19	2-618-BE-16	BE	06.26.97	6010	535-03	971738	7396
		DIG,NAQ.HCL	06.25.97	3050		971738	8488
9706467*20	1-618-BE-01	BE	06.26.97	6010	535-03	971738	7396
		DIG,NAQ.HCL	06.25.97	3050		971738	8488
9706467*21	1-618-BE-02	BE	06.26.97	6010	535-03	971739	7396
		DIG,NAQ.HCL	06.25.97	3050		971738	8488
9706467*22	1-618-BE-03	BE	06.26.97	6010	535-03	971739	7396
		DIG,NAQ.HCL	06.25.97	3050		971738	8488
9706467*23	1-618-BE-04	BE	06.26.97	6010	535-03	971739	7396
		DIG,NAQ.HCL	06.25.97	3050		971738	8488
9706467*24	1-618-BE-05	BE	06.26.97	6010	535-03	971739	7396

Notes: Equipment = VOC Analytical identification number for a particular piece of analytical equipment.

ID.NO = VOC Analytical employee identification number of analyst.

SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
		DIG,NAQ.HCL	06.25.97	3050		971739	8488
9706467*25	1-618-BE-06	BE	06.26.97	6010	535-03	971739	7396
		DIG,NAQ.HCL	06.25.97	3050		971739	8488
9706467*26	1-618-BE-07	BE	06.26.97	6010	535-03	971739	7396
		DIG,NAQ.HCL	06.25.97	3050		971739	8488
9706467*27	1-618-BE-08	BE	06.26.97	6010	535-03	971739	7396
		DIG,NAQ.HCL	06.25.97	3050		971739	8488
9706467*28	1-618-BE-09	BE	06.26.97	6010	535-03	971739	7396
		DIG,NAQ.HCL	06.25.97	3050		971739	8488
9706467*29	1-618-BE-10	BE	06.26.97	6010	535-03	971739	7396
		DIG,NAQ.HCL	06.25.97	3050		971739	8488
9706467*30	1-618-BE-11	BE	06.26.97	6010	535-03	971739	7396
		DIG,NAQ.HCL	06.25.97	3050		971739	8488
9706467*31	1-618-BE-12	BE	06.26.97	6010	535-03	971739	7396
		DIG,NAQ.HCL	06.25.97	3050		971739	8488
9706467*32	1-618-BE-13	BE	06.26.97	6010	535-03	971739	7396
		DIG,NAQ.HCL	06.25.97	3050		971739	8488
9706467*33	1-618-BE-14	BE	06.26.97	6010	535-03	971739	7396
		DIG,NAQ.HCL	06.25.97	3050		971739	8488
9706467*34	1-618-BE-15	BE	06.26.97	6010	535-03	971739	7396
		DIG,NAQ.HCL	06.25.97	3050		971739	8488
9706467*35	1-618-BE-16	BE	06.26.97	6010	535-03	971739	7396
		DIG,NAQ.HCL	06.25.97	3050		971739	8488
9706467*36	1-618-BE-17	BE	06.26.97	6010	535-03	971739	7396
		DIG,NAQ.HCL	06.25.97	3050		971739	8488
9706467*37	1-618-BE-18	BE	06.26.97	6010	535-03	971739	7396
		DIG,NAQ.HCL	06.25.97	3050		971739	8488
9706467*38	1-618-BE-19	BE	06.26.97	6010	535-03	971739	7396
		DIG,NAQ.HCL	06.25.97	3050		971739	8488
9706467*39	1-618-BE-20	BE	06.26.97	6010	535-03	971739	7396
		DIG,NAQ.HCL	06.25.97	3050		971739	8488
9706467*40	1-618-BE-21	BE	06.26.97	6010	535-03	971739	7396
		DIG,NAQ.HCL	06.25.97	3050		971739	8488
9706467*41	1-618-BE-22	BE	06.26.97	6010	535-03	971739	7396
		DIG,NAQ.HCL	06.25.97	3050		971739	8488
9706467*42	1-618-BE-23	BE	06.26.97	6010	535-03	971739	7396
		DIG,NAQ.HCL	06.25.97	3050		971739	8488
9706467*43	1-618-BE-24	BE	06.26.97	6010	535-03	971739	7396
		DIG,NAQ.HCL	06.25.97	3050		971739	8488
9706467*44	1-618-BE-25	BE	06.26.97	6010	535-02	971740	1002
		DIG,NAQ.HCL	06.25.97	3050		971740	8488
9706467*45	1-618-BE-26	BE	06.26.97	6010	535-02	971740	1002
		DIG,NAQ.HCL	06.25.97	3050		971740	8488
9706467*46	1-618-BE-27	BE	06.26.97	6010	535-02	971740	1002

Notes: Equipment = VOC Analytical identification number for a particular piece of analytical equipment.

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SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
		DIG,NAQ.HCL	06.25.97	3050		971740	8488
9706467*47	1-618-BE-28	BE	06.26.97	6010	535-02	971740	1002
		DIG,NAQ.HCL	06.25.97	3050		971740	8488
9706467*48	1-618-BE-29	BE	06.26.97	6010	535-02	971740	1002
		DIG,NAQ.HCL	06.25.97	3050		971740	8488
9706467*49	1-618-BE-30	BE	06.26.97	6010	535-02	971740	1002
		DIG,NAQ.HCL	06.25.97	3050		971740	8488
9706467*50	1-618-BE-31	BE	06.26.97	6010	535-02	971740	1002
		DIG,NAQ.HCL	06.25.97	3050		971740	8488
9706467*51	1-618-BE-32	BE	06.26.97	6010	535-02	971740	1002
		DIG,NAQ.HCL	06.25.97	3050		971740	8488
9706467*52	1-618-BE-33	BE	06.26.97	6010	535-02	971740	1002
		DIG,NAQ.HCL	06.25.97	3050		971740	8488
9706467*53	1-618-BE-34	BE	06.26.97	6010	535-02	971740	1002
		DIG,NAQ.HCL	06.25.97	3050		971740	8488
9706467*54	5-618-BE-01	BE	06.26.97	6010	535-02	971740	1002
		DIG,NAQ.HCL	06.25.97	3050		971740	8488
9706467*55	5-618-BE-02	BE	06.26.97	6010	535-02	971740	1002
		DIG,NAQ.HCL	06.25.97	3050		971740	8488
9706467*56	5-618-BE-03	BE	06.26.97	6010	535-02	971740	1002
		DIG,NAQ.HCL	06.25.97	3050		971740	8488
9706467*57	5-618-BE-04	BE	06.26.97	6010	535-02	971740	1002
		DIG,NAQ.HCL	06.25.97	3050		971740	8488
9706467*58	5-618-BE-05	BE	06.26.97	6010	535-02	971740	1002
		DIG,NAQ.HCL	06.25.97	3050		971740	8488
9706467*59	5-618-BE-06	BE	06.26.97	6010	535-02	971740	1002
		DIG,NAQ.HCL	06.25.97	3050		971740	8488
9706467*60	5-618-BE-07	BE	06.26.97	6010	535-02	971740	1002
		DIG,NAQ.HCL	06.25.97	3050		971740	8488
9706467*61	5-618-BE-08	BE	06.26.97	6010	535-02	971740	1002
		DIG,NAQ.HCL	06.25.97	3050		971740	8488
9706467*62	5-618-BE-09	BE	06.26.97	6010	535-02	971740	1002
		DIG,NAQ.HCL	06.25.97	3050		971740	8488
9706467*63	5-618-BE-10	BE	06.26.97	6010	535-02	971740	1002
		DIG,NAQ.HCL	06.25.97	3050		971740	8488
9706467*64	3-618-BE-01	BE	06.26.97	6010	535-03	971741	7396
		DIG,NAQ.HCL	06.25.97	3050		971741	8488
9706467*65	3-618-BE-02	BE	06.26.97	6010	535-03	971741	7396
		DIG,NAQ.HCL	06.25.97	3050		971741	8488
9706467*66	3-618-BE-03	BE	06.26.97	6010	535-03	971741	7396
		DIG,NAQ.HCL	06.25.97	3050		971741	8488
9706467*67	3-618-BE-04	BE	06.27.97	6010	535-03	971741	7396
		DIG,NAQ.HCL	06.25.97	3050		971741	8488
9706467*68	3-618-BE-05	BE	06.28.97	6010	535-03	971741	7396

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ID.NO = VOC Analytical employee identification number of analyst.

SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
		DIG,NAQ.HCL	06.25.97	3050		971741	8488
9706467*69	3-618-BE-06	BE	06.28.97	6010	535-03	971741	7396
		DIG,NAQ.HCL	06.25.97	3050		971741	8488
9706467*70	3-618-BE-07	BE	06.28.97	6010	535-03	971741	7396
		DIG,NAQ.HCL	06.25.97	3050		971741	8488
9706467*71	3-618-BE-08	BE	06.28.97	6010	535-03	971741	7396
		DIG,NAQ.HCL	06.25.97	3050		971741	8488
9706467*72	3-618-BE-09	BE	06.28.97	6010	535-03	971741	7396
		DIG,NAQ.HCL	06.25.97	3050		971741	8488
9706467*73	3-618-BE-10	BE	06.28.97	6010	535-03	971741	7396
		DIG,NAQ.HCL	06.25.97	3050		971741	8488
9706467*74	3-618-BE-11	BE	06.28.97	6010	535-03	971741	7396
		DIG,NAQ.HCL	06.25.97	3050		971741	8488
9706467*75	3-618-BE-12	BE	06.26.97	6010	535-03	971741	7396
		DIG,NAQ.HCL	06.25.97	3050		971741	8488
9706467*76	3-618-BE-13	BE	06.28.97	6010	535-03	971741	7396
		DIG,NAQ.HCL	06.25.97	3050		971741	8488
9706467*77	3-618-BE-14	BE	06.28.97	6010	535-03	971741	7396
		DIG,NAQ.HCL	06.25.97	3050		971741	8488
9706467*78	3-618-BE-15	BE	06.28.97	6010	535-03	971741	7396
		DIG,NAQ.HCL	06.25.97	3050		971741	8488
9706467*79	3-618-BE-16	BE	06.26.97	6010	535-03	971741	7396
		DIG,NAQ.HCL	06.25.97	3050		971741	8488
9706467*80	3-618-BE-17	BE	06.26.97	6010	535-03	971741	7396
		DIG,NAQ.HCL	06.25.97	3050		971741	8488
467*81	3-618-BE-18	BE	06.26.97	6010	535-03	971741	7396
		DIG,NAQ.HCL	06.25.97	3050		971741	8488
9706467*82	5-618-CR-01	CR	06.27.97	6010	535-03	971747	7396
		ZN	06.27.97	6010	535-03	971747	7396
		DIG,NAQ.HCL	06.25.97	3050		971747	7620
9706467*83	5-618-CR-02	CR	06.27.97	6010	535-03	971747	7396
		ZN	06.27.97	6010	535-03	971747	7396
		DIG,NAQ.HCL	06.25.97	3050		971747	7620
9706467*84	5-618-CR-03	CR	06.27.97	6010	535-03	971747	7396
		ZN	06.27.97	6010	535-03	971747	7396
		DIG,NAQ.HCL	06.25.97	3050		971747	7620
9706467*85	5-618-CR-04	CR	06.27.97	6010	535-03	971747	7396
		ZN	06.27.97	6010	535-03	971747	7396
		DIG,NAQ.HCL	06.25.97	3050		971747	7620
9706467*86	5-618-CR-05	CR	06.27.97	6010	535-03	971747	7396
		ZN	06.27.97	6010	535-03	971747	7396
		DIG,NAQ.HCL	06.25.97	3050		971747	7620
9706467*87	5-618-CR-06	CR	06.27.97	6010	535-03	971747	7396
		ZN	06.27.97	6010	535-03	971747	7396

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SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
		DIG,NAQ.HCL	06.25.97	3050		971747	7620
9706467*88	5-618-CR-07	CR	06.27.97	6010	535-03	971747	7396
		ZN	06.27.97	6010	535-03	971747	7396
		DIG,NAQ.HCL	06.25.97	3050		971747	7620
9706467*89	5-618-CR-08	CR	06.27.97	6010	535-03	971747	7396
		ZN	06.27.97	6010	535-03	971747	7396
		DIG,NAQ.HCL	06.25.97	3050		971747	7620
9706467*90	5-618-CR-09	CR	06.27.97	6010	535-03	971747	7396
		ZN	06.27.97	6010	535-03	971747	7396
		DIG,NAQ.HCL	06.25.97	3050		971747	7620
9706467*91	5-618-CR-10	CR	06.27.97	6010	535-03	971747	7396
		ZN	06.27.97	6010	535-03	971747	7396
		DIG,NAQ.HCL	06.25.97	3050		971747	7620
9706467*92	5-618-ZNCR-01	CR	06.27.97	6010	535-03	971747	7396
		ZN	06.27.97	6010	535-03	971747	7396
		DIG,NAQ.HCL	06.25.97	3050		971747	7620
9706467*93	5-618-ZNCR-02	CR	06.27.97	6010	535-03	971747	7396
		ZN	06.27.97	6010	535-03	971747	7396
		DIG,NAQ.HCL	06.25.97	3050		971747	7620
9706467*94	5-618-ZNCR-03	CR	06.27.97	6010	535-03	971747	7396
		ZN	06.27.97	6010	535-03	971747	7396
		DIG,NAQ.HCL	06.25.97	3050		971747	7620
9706467*95	5-618-ZN-01	CR	06.27.97	6010	535-03	971747	7396
		ZN	06.27.97	6010	535-03	971747	7396
		DIG,NAQ.HCL	06.25.97	3050		971747	7620
467*96	5-618-ZN-02	CR	06.27.97	6010	535-03	971748	7396
		ZN	06.27.97	6010	535-03	971748	7396
		DIG,NAQ.HCL	06.25.97	3050		971748	7620
9706467*97	5-618-ZN-03	CR	06.27.97	6010	535-03	971748	7396
		ZN	06.27.97	6010	535-03	971748	7396
		DIG,NAQ.HCL	06.25.97	3050		971748	7620
9706467*98	5-618-ZN-04	CR	06.27.97	6010	535-03	971748	7396
		ZN	06.27.97	6010	535-03	971748	7396
		DIG,NAQ.HCL	06.25.97	3050		971748	7620
9706467*99	5-618-ZN-05	CR	06.27.97	6010	535-03	971748	7396
		ZN	06.27.97	6010	535-03	971748	7396
		DIG,NAQ.HCL	06.25.97	3050		971748	7620
9706467*1005	5-618-ZN-06	CR	06.27.97	6010	535-03	971748	7396
		ZN	06.27.97	6010	535-03	971748	7396
		DIG,NAQ.HCL	06.25.97	3050		971748	7620
9706467*1015	5-618-ZN-07	CR	06.27.97	6010	535-03	971748	7396
		ZN	06.27.97	6010	535-03	971748	7396
		DIG,NAQ.HCL	06.25.97	3050		971748	7620
9706467*1025	5-618-ZN-08	CR	06.27.97	6010	535-03	971748	7396

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SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
		ZN	06.27.97	6010	535-03	971748	7396
		DIG,NAQ.HCL	06.25.97	3050		971748	7620
9706467*1035-618-ZN-09		CR	06.27.97	6010	535-03	971748	7396
		ZN	06.27.97	6010	535-03	971748	7396
		DIG,NAQ.HCL	06.25.97	3050		971748	7620
9706467*1045-618-ZN-10		CR	06.27.97	6010	535-03	971748	7396
		ZN	06.27.97	6010	535-03	971748	7396
		DIG,NAQ.HCL	06.25.97	3050		971748	7620
9706467*1055-617-VOC-1		VOA,8260.HSL	06.26.97	8260A	537-06	976062	
9706467*1065-617-VOC-2		VOA,8260.HSL	06.26.97	8260A	537-06	976062	
9706467*1075-617-VOC-3		VOA,8260.HSL	06.26.97	8260A	537-06	976062	
9706467*1085-617-VOC-4		VOA,8260.HSL	06.26.97	8260A	537-06	976062	
9706467*1095-617-VOC-5		VOA,8260.HSL	06.26.97	8260A	537-06	976062	
9706467*1105-617-VOC-6		VOA,8260.HSL	06.26.97	8260A	537-06	976062	
9706467*1115-618-VOC-7		VOA,8260.HSL	06.26.97	8260A	537-06	976062	
9706467*1125-618-VOC-8		VOA,8260.HSL	06.26.97	8260A	537-06	976062	
9706467*1135-618-VOC-9		VOA,8260.HSL	06.26.97	8260A	537-06	976062	
9706467*1145-618-VOC-10		VOA,8260.HSL	06.27.97	8260A	537-06	976063	
9706467*1155-618-VOC-11		VOA,8260.HSL	06.27.97	8260A	537-06	976063	
9706467*1165-618-VOC-12		VOA,8260.HSL	06.27.97	8260A	537-06	976063	
9706467*1175-618-VOC-13		VOA,8260.HSL	06.26.97	8260A	537-06	976062	
9706467*1182-617-CFC-1		VOA,8260.HSL	06.27.97	8260A	537-06	976063	
9706467*1191-617-CFC-1		VOA,8260.HSL	06.27.97	8260A	537-06	976063	
9706467*1205-617-CFC-1		VOA,8260.HSL	06.27.97	8260A	537-06	976063	
9706467*1211-617-CFC-2		VOA,8260.HSL	06.27.97	8260A	537-06	976063	
9706467*1223-617-CFC-1		VOA,8260.HSL	06.27.97	8260A	537-06	976063	
9706467*1235-617-CFC-2		VOA,8260.HSL	06.27.97	8260A	537-06	976063	
9706467*1245-617-PCB-1		PCB.8080	07.02.97	8080	536-27	97117	8042
9706467*1255-617-PCB-2		PCB.8080	07.02.97	8080	536-27	97117	8042
9706467*1265-617-PCB-3		PCB.8080	07.02.97	8080	536-27	97117	8042
9706467*1275-617-TRPH-1		IR.PETROHC	06.26.97	418.1	533-17	97408	8106
9706467*1285-617-TRPH-2		IR.PETROHC	06.26.97	418.1	533-17	97408	8106
9706467*1295-617-TRPH-3		IR.PETROHC	06.26.97	418.1	533-17	97408	8106
9706467*1305-617-TRPH-4		IR.PETROHC	06.26.97	418.1	533-17	97408	8106
9706467*1315-617-TRPH-5		IR.PETROHC	06.26.97	418.1	533-17	97408	8106
9706467*1325-617-TRPH-6		IR.PETROHC	06.26.97	418.1	533-17	97408	8106
9706467*1335-617-TRPH-7		IR.PETROHC	06.26.97	418.1	533-17	97408	8106
9706467*1345-617-TRPH-8		IR.PETROHC	06.26.97	418.1	533-17	97408	8106
9706467*1355-618-TRPH-9		IR.PETROHC	06.26.97	418.1	533-17	97408	8106
9706467*1365-618-TRPH-10		IR.PETROHC	06.26.97	418.1	533-17	97408	8106
9706467*1375-615-P-01		PB	06.25.97	6010	535-02	971749	7396
		DIG,NAQ.HCL	06.25.97	3050		971749	7620
9706467*1385-615-P-02		PB	06.25.97	6010	535-02	971749	7396
		DIG,NAQ.HCL	06.25.97	3050		971749	7620

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SAMPLES... SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
467*1395-615-P-03	PB	06.25.97	6010	535-02	971749	7396
	DIG,NAQ.HCL	06.25.97	3050		971749	7620
9706467*1405-615-P-04	PB	06.25.97	6010	535-02	971749	7396
	DIG,NAQ.HCL	06.25.97	3050		971749	7620
9706467*1415-615-P-05	PB	06.25.97	6010	535-02	971749	7396
	DIG,NAQ.HCL	06.25.97	3050		971749	7620
9706467*1425-615-P-06	PB	06.25.97	6010	535-02	971749	7396
	DIG,NAQ.HCL	06.25.97	3050		971749	7620
9706467*1435-615-P-07	PB	06.25.97	6010	535-02	971749	7396
	DIG,NAQ.HCL	06.25.97	3050		971749	7620
9706467*1445-615-P-08	PB	06.25.97	6010	535-02	971749	7396
	DIG,NAQ.HCL	06.25.97	3050		971749	7620
9706467*1452-615-P-01	PB	06.25.97	6010	535-02	971749	7396
	DIG,NAQ.HCL	06.25.97	3050		971749	7620
9706467*1462-615-P-02	PB	06.25.97	6010	535-02	971749	7396
	DIG,NAQ.HCL	06.25.97	3050		971749	7620
9706467*1472-615-P-03	PB	06.25.97	6010	535-02	971749	7396
	DIG,NAQ.HCL	06.25.97	3050		971749	7620
9706467*1482-615-P-04	PB	06.25.97	6010	535-02	971749	7396
	DIG,NAQ.HCL	06.25.97	3050		971749	7620
9706467*1492-615-P-05	PB	06.25.97	6010	535-02	971749	7396
	DIG,NAQ.HCL	06.25.97	3050		971749	7620
9706467*1502-615-P-06	PB	06.25.97	6010	535-02	971749	7396
	DIG,NAQ.HCL	06.25.97	3050		971749	7620
9706467*1512-615-P-07	PB	06.25.97	6010	535-02	971749	7396
	DIG,NAQ.HCL	06.25.97	3050		971749	7620
9706467*1522-615-P-08	PB	06.25.97	6010	535-02	971749	7396
	DIG,NAQ.HCL	06.25.97	3050		971749	7620
9706467*1532-615-P-09	PB	06.25.97	6010	535-02	971749	7396
	DIG,NAQ.HCL	06.25.97	3050		971749	7620
9706467*1542-615-P-10	PB	06.25.97	6010	535-02	971749	7396
	DIG,NAQ.HCL	06.25.97	3050		971749	7620
9706467*1552-615-P-11	PB	06.25.97	6010	535-02	971749	7396
	DIG,NAQ.HCL	06.25.97	3050		971749	7620
9706467*1562-615-12	PB	06.25.97	6010	535-02	971749	7396
	DIG,NAQ.HCL	06.25.97	3050		971749	7620
9706467*1571-617-P1	PB	06.27.97	6010	535-03	971750	7396
	DIG,NAQ.HCL	06.25.97	3050		971750	7620
9706467*1581-617-P2	PB	06.27.97	6010	535-03	971750	7396
	DIG,NAQ.HCL	06.25.97	3050		971750	7620
9706467*1591-617-P3	PB	06.27.97	6010	535-03	971750	7396
	DIG,NAQ.HCL	06.25.97	3050		971750	7620
9706467*1601-617-P4	PB	06.27.97	6010	535-03	971750	7396
	DIG,NAQ.HCL	06.25.97	3050		971750	7620

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SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
[illegible]467*1611-617-P5		PB	06.27.97	6010	535-03	971750	7396
		DIG,NAQ.HCL	06.25.97	3050		971750	7620
9706467*1621-617-P6		PB	06.27.97	6010	535-03	971750	7396
		DIG,NAQ.HCL	06.25.97	3050		971750	7620
9706467*1631-617-P7		PB	06.27.97	6010	535-03	971750	7396
		DIG,NAQ.HCL	06.25.97	3050		971750	7620
9706467*1641-617-P8		PB	06.27.97	6010	535-03	971750	7396
		DIG,NAQ.HCL	06.25.97	3050		971750	7620
9706467*1651-617-P9		PB	06.27.97	6010	535-03	971750	7396
		DIG,NAQ.HCL	06.25.97	3050		971750	7620
9706467*1661-617-P10		PB	06.27.97	6010	535-03	971750	7396
		DIG,NAQ.HCL	06.25.97	3050		971750	7620
9706467*1671-617-P11		PB	06.27.97	6010	535-03	971750	7396
		DIG,NAQ.HCL	06.25.97	3050		971750	7620
9706467*1681-617-P12		PB	06.27.97	6010	535-03	971750	7396
		DIG,NAQ.HCL	06.25.97	3050		971750	7620
9706467*1691-617-P13		PB	06.27.97	6010	535-03	971750	7396
		DIG,NAQ.HCL	06.25.97	3050		971750	7620
9706467*1701-617-P14		PB	06.27.97	6010	535-03	971750	7396
		DIG,NAQ.HCL	06.25.97	3050		971750	7620
9706467*1711-617-P15		PB	06.27.97	6010	535-03	971750	7396
		DIG,NAQ.HCL	06.25.97	3050		971750	7620
9706467*1723-617-P16		PB	06.27.97	6010	535-03	971750	7396
		DIG,NAQ.HCL	06.25.97	3050		971750	7620
9706467*1733-617-P17		PB	06.27.97	6010	535-03	971750	7396
		DIG,NAQ.HCL	06.25.97	3050		971750	7620
9706467*1743-617-P18		PB	06.27.97	6010	535-03	971750	7396
		DIG,NAQ.HCL	06.25.97	3050		971750	7620
9706467*1753-617-P19		PB	06.27.97	6010	535-03	971750	7396
		DIG,NAQ.HCL	06.25.97	3050		971750	7620
9706467*1763-617-P20		PB	06.27.97	6010	535-03	971750	7396
		DIG,NAQ.HCL	06.25.97	3050		971750	7620
9706467*1773-617-P21		PB	06.27.97	6010	535-03	971751	7396
		DIG,NAQ.HCL	06.25.97	3050		971751	7620
9706467*178P-617-P22		PB	06.27.97	6010	535-03	971751	7396
		DIG,NAQ.HCL	06.25.97	3050		971751	7620
9706467*1793-617-P23		PB	06.27.97	6010	535-03	971751	7396
		DIG,NAQ.HCL	06.25.97	3050		971751	7620
9706467*1803-617-P24		PB	06.27.97	6010	535-03	971751	7396
		DIG,NAQ.HCL	06.25.97	3050		971751	7620
9706467*1814-618-P25		PB	06.27.97	6010	535-03	971751	7396
		DIG,NAQ.HCL	06.25.97	3050		971751	7620
9706467*1824-618-P26		PB	06.27.97	6010	535-03	971751	7396
		DIG,NAQ.HCL	06.25.97	3050		971751	7620

Notes: Equipment = VOC Analytical identification number for a particular piece of analytical equipment.

ID.NO = VOC Analytical employee identification number of analyst.

SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
J6467*1834-618-P27		PB	06.27.97	6010	535-03	971751	7396
		DIG,NAQ.HCL	06.25.97	3050		971751	7620
9706467*1844-617-P28		PB	06.27.97	6010	535-03	971751	7396
		DIG,NAQ.HCL	06.25.97	3050		971751	7620

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Notes: Equipment = VOC Analytical identification number for a particular piece of analytical equipment.

ID.NO = VOC Analytical employee identification number of analyst.

AQUEOUS SAMPLES

	------ METHOD BLANK ------			---------- LAB CONTROL ----------								---------- MATRIX QC ----------								
				LCS		LCSD					RPD	RPD	MS		MSD					RPD	RPD
	UNITS	RESULT	MDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: IR*97408 Method: 418.1 - Petroleum Hydrocarbons, Total, Spectrophotometric, Infrared																						
TRPH	mg/L	0	0.5	-	145	-	138	-	43	168	5	30	-	-	-	-	-	-	-	-	-	-

AQUEOUS SAMPLES

		METHOD BLANK			LAB CONTROL							MATRIX QC									
					LCS		LCSD				RPD	RPD	MS		MSD				RPD	RPD	
	UNITS	RESULT	MDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: VOA,8260*976062 Method: 8260A - Volatile Organics, GCMS																						
1,1,1,2-Tetrachloroethane	ug/L	0	0.2	-	98	-	-	-	76	136	-	-	-	-	-	-	-	-	-	-	-	-
1,1,1-Trichloroethane	ug/L	0	0.3	-	103	-	-	-	71	132	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/L	0	0.4	-	99	-	-	-	50	134	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	ug/L	0	0.4	-	96	-	-	-	67	133	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	ug/L	0	0.2	-	90	-	-	-	49	135	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	ug/L	0	0.4	-	89	-	-	-	48	146	-	-	-	102	-	101	-	38	159	1	30	-
1,1-Dichloropropene	ug/L	0	0.4	-	100	-	-	-	68	139	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichlorobenzene	ug/L	0.48	0.4	Q	105	-	-	-	69	134	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichloropropane	ug/L	0	0.8	-	103	-	-	-	42	131	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	0.40	0.4	-	107	-	-	-	72	132	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	ug/L	0	0.3	-	105	-	-	-	80	128	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane	ug/L	0	0.8	-	100	-	-	-	42	147	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dibromoethane	ug/L	0	0.3	-	101	-	-	-	56	142	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	0	0.3	-	105	-	-	-	68	129	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/L	0	0.3	-	106	-	-	-	76	127	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	0	0.4	-	96	-	-	-	68	127	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	ug/L	0	0.4	-	107	-	-	-	78	129	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/L	0	0.3	-	104	-	-	-	76	127	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichloropropane	ug/L	0	0.5	-	96	-	-	-	73	122	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	0	0.2	-	101	-	-	-	77	127	-	-	-	-	-	-	-	-	-	-	-	-
2,2-Dichloropropane	ug/L	0	0.6	-	102	-	-	-	45	155	-	-	-	-	-	-	-	-	-	-	-	-
2-Chloroethylvinylether	ug/L	0	0.9	-	96	-	-	-	1	214	-	-	-	-	-	-	-	-	-	-	-	-
2-Chlorotoluene	ug/L	0	0.4	-	102	-	-	-	73	134	-	-	-	-	-	-	-	-	-	-	-	-
2-Hexanone	ug/L	0	4	-	103	-	-	-	20	149	-	-	-	-	-	-	-	-	-	-	-	-
4-Chlorotoluene	ug/L	0	0.4	-	103	-	-	-	75	132	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	ug/L	5.5	5	Q	79	-	-	-	32	176	-	-	-	-	-	-	-	-	-	-	-	-
Bromobenzene	ug/L	0	0.3	-	100	-	-	-	68	128	-	-	-	-	-	-	-	-	-	-	-	-
Bromochloromethane	ug/L	0	0.5	-	97	-	-	-	71	132	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	ug/L	0	0.4	-	98	-	-	-	69	132	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane	ug/L	0	0.3	-	75	-	-	-	55	146	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	0	0.2	-	92	-	-	-	72	124	-	-	-	107	-	105	-	77	119	2	30	-
Bromoform	ug/L	0	0.4	-	111	-	-	-	53	148	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	ug/L	0	0.3	-	107	-	-	-	78	131	-	-	-	115	-	112	-	79	129	2	30	-
Carbon Tetrachloride	ug/L	0	0.4	-	112	-	-	-	70	140	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	ug/L	0	0.5	-	83	-	-	-	52	137	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform	ug/L	0	0.3	-	92	-	-	-	77	128	-	-	-	-	-	-	-	-	-	-	-	-
Chloromethane	ug/L	0	0.7	-	91	-	-	-	37	129	-	-	-	-	-	-	-	-	-	-	-	

AQUEOUS SAMPLES		METHOD BLANK			LAB CONTROL								MATRIX QC									
					LCS		LCSD				RPD	RPD	MS		MSD				RPD	RPD		
	UNITS	RESULT	MDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: VOA,8260*976062 Method: 8260A - Volatile Organics, GCMS, con't																						
Carbon Disulfide	ug/L	0	0.8	-	114	-	-	-	37	140	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	ug/L	0	0.3	-	97	-	-	-	65	142	-	-	-	-	-	-	-	-	-	-	-	-
Dibromomethane	ug/L	0	0.3	-	108	-	-	-	59	139	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane	ug/L	0	0.4	-	99	-	-	-	30	150	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	0	0.3	-	104	-	-	-	80	135	-	-	-	-	-	-	-	-	-	-	-	-
Freon 113	ug/L	0	0.4	-	96	-	-	-	49	159	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadiene	ug/L	0.27	0.8	-	114	-	-	-	68	140	-	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	ug/L	0	0.5	-	109	-	-	-	79	130	-	-	-	-	-	-	-	-	-	-	-	-
Methyl ethyl ketone	ug/L	0	6	-	76	-	-	-	5	153	-	-	-	-	-	-	-	-	-	-	-	-
Methyl isobutyl ketone	ug/L	0	4	-	128	-	-	-	16	150	-	-	-	-	-	-	-	-	-	-	-	-
Methyl-tert-butylether	ug/L	0	2	-	90	-	-	-	39	148	-	-	-	100	-	100	-	47	136	0	30	-
Methylene chloride	ug/L	1.7	0.4	Q	80	-	-	-	51	139	-	-	-	-	-	-	-	-	-	-	-	-
N-Butylbenzene	ug/L	0	0.6	-	105	-	-	-	78	134	-	-	-	-	-	-	-	-	-	-	-	-
N-Propylbenzene	ug/L	0	0.4	-	101	-	-	-	79	133	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/L	0.77	0.4	Q	91	-	-	-	51	149	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	ug/L	0	0.5	-	108	-	-	-	80	129	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	ug/L	0	0.5	-	100	-	-	-	71	135	-	-	-	108	-	106	-	60	136	2	30	-
Trichlorofluoromethane	ug/L	0	0.4	-	101	-	-	-	58	156	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	ug/L	0	0.3	-	96	-	-	-	70	129	-	-	-	110	-	107	-	73	122	3	30	-
Tetrachloroethene	ug/L	0	0.5	-	104	-	-	-	67	145	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl acetate	ug/L	0	1	-	88	-	-	-	24	143	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	0	0.5	-	93	-	-	-	48	140	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/L	0	0.3	-	91	-	-	-	54	143	-	-	-	-	-	-	-	-	-	-	-	-
m- and p-Xylene Isomers	ug/L	0	0.8	-	105	-	-	-	80	136	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	ug/L	0	0.3	-	106	-	-	-	78	133	-	-	-	-	-	-	-	-	-	-	-	-
p-Isopropyl toluene	ug/L	0	0.5	-	107	-	-	-	75	136	-	-	-	-	-	-	-	-	-	-	-	-
sec-Butylbenzene	ug/L	0	0.5	-	109	-	-	-	76	136	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	ug/L	0	0.3	-	88	-	-	-	48	134	-	-	-	-	-	-	-	-	-	-	-	-
tert-Butylbenzene	ug/L	0	0.5	-	109	-	-	-	79	129	-	-	-	-	-	-	-	-	-	-	-	-
[4-Bromofluorobenzene]	Percent	94	-	-	100	-	-	-	75	125	-	-	-	100	-	100	-	75	125	-	-	-
[Toluene-d8]	Percent	95	-	-	99	-	-	-	80	120	-	-	-	102	-	99	-	80	120	-	-	-
[Dibromofluoromethane]	Percent	98	-	-	99	-	-	-	75	120	-	-	-	100	-	102	-	75	120	-	-	-

AQUEOUS SAMPLES

		METHOD BLANK			LAB CONTROL								MATRIX QC									
					LCS		LCSD				RPD	RPD	MS		MSD				RPD	RPD		
	UNITS	RESULT	MDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: VOA,8260*976063 Method: 8260A - Volatile Organics, GCMS																						
1,1,1,2-Tetrachloroethane	ug/L	0	0.2	-	105	-	-	-	76	136	-	-	-	-	-	-	-	-	-	-	-	-
1,1,1-Trichloroethane	ug/L	0	0.3	-	114	-	-	-	71	132	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/L	0	0.4	-	89	-	-	-	50	134	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	ug/L	0	0.4	-	98	-	-	-	67	133	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	ug/L	0	0.2	-	101	-	-	-	49	135	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	ug/L	0	0.4	-	103	-	-	-	48	146	-	-	-	101	-	96	-	38	159	4	30	-
1,1-Dichloropropene	ug/L	0	0.4	-	110	-	-	-	68	139	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichlorobenzene	ug/L	0	0.4	-	106	-	-	-	69	134	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichloropropane	ug/L	0	0.8	-	96	-	-	-	42	131	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	0	0.4	-	107	-	-	-	72	132	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	ug/L	0	0.3	-	112	-	-	-	80	128	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane	ug/L	0	0.8	-	93	-	-	-	42	147	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dibromoethane	ug/L	0	0.3	-	99	-	-	-	56	142	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	0	0.3	-	106	-	-	-	68	129	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/L	0	0.3	-	112	-	-	-	76	127	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	0	0.4	-	108	-	-	-	68	127	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	ug/L	0	0.4	-	114	-	-	-	78	129	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/L	0	0.3	-	111	-	-	-	76	127	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichloropropane	ug/L	0	0.5	-	100	-	-	-	73	122	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	0	0.2	-	108	-	-	-	77	127	-	-	-	-	-	-	-	-	-	-	-	-
2,2-Dichloropropane	ug/L	0	0.6	-	100	-	-	-	45	155	-	-	-	-	-	-	-	-	-	-	-	-
2-Chloroethylvinylether	ug/L	0	0.9	-	108	-	-	-	1	214	-	-	-	-	-	-	-	-	-	-	-	-
2-Chlorotoluene	ug/L	0	0.4	-	110	-	-	-	73	134	-	-	-	-	-	-	-	-	-	-	-	-
2-Hexanone	ug/L	0	4	-	94	-	-	-	20	149	-	-	-	-	-	-	-	-	-	-	-	-
4-Chlorotoluene	ug/L	0	0.4	-	111	-	-	-	75	132	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	ug/L	2.6	5	-	79	-	-	-	32	176	-	-	-	-	-	-	-	-	-	-	-	-
Bromobenzene	ug/L	0	0.3	-	108	-	-	-	68	128	-	-	-	-	-	-	-	-	-	-	-	-
Bromochloromethane	ug/L	0	0.5	-	108	-	-	-	71	132	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	ug/L	0	0.4	-	106	-	-	-	69	132	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane	ug/L	0	0.3	-	119	-	-	-	55	146	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	0	0.2	-	103	-	-	-	72	124	-	-	-	103	-	102	-	77	119	2	30	-
Bromoform	ug/L	0	0.4	-	108	-	-	-	53	148	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	ug/L	0	0.3	-	114	-	-	-	78	131	-	-	-	108	-	111	-	79	129	2	30	-
Carbon Tetrachloride	ug/L	0	0.4	-	116	-	-	-	70	140	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	ug/L	0	0.5	-	98	-	-	-	52	137	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform	ug/L	0	0.3	-	105	-	-	-	77	128	-	-	-	-	-	-	-	-	-	-	-	-
Chloromethane	ug/L	0	0.7	-	110	-	-	-	37	129	-	-	-	-	-	-	-	-	-	-	-	

AQUEOUS SAMPLES		METHOD BLANK			LAB CONTROL								MATRIX QC									
					LCS		LCSD				RPD	RPD	MS		MSD				RPD	RPD		
	UNITS	RESULT	MDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: VOA,8260*976063 Method: 8260A - Volatile Organics, GCMS, con't																						
Carbon Disulfide	ug/L	0	0.8	-	130	-	-	-	37	140	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	ug/L	0	0.3	-	101	-	-	-	65	142	-	-	-	-	-	-	-	-	-	-	-	-
Dibromomethane	ug/L	0	0.3	-	110	-	-	-	59	139	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane	ug/L	0	0.4	-	112	-	-	-	30	150	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	0	0.3	-	113	-	-	-	80	135	-	-	-	-	-	-	-	-	-	-	-	-
Freon 113	ug/L	0	0.4	-	109	-	-	-	49	159	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadiene	ug/L	0	0.8	-	115	-	-	-	68	140	-	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	ug/L	0	0.5	-	116	-	-	-	79	130	-	-	-	-	-	-	-	-	-	-	-	-
Methyl ethyl ketone	ug/L	0	6	-	72	-	-	-	5	153	-	-	-	-	-	-	-	-	-	-	-	-
Methyl isobutyl ketone	ug/L	0	4	-	130	-	-	-	16	150	-	-	-	-	-	-	-	-	-	-	-	-
Methyl-tert-butylether	ug/L	0	2	-	95	-	-	-	39	148	-	-	-	96	-	96	-	47	136	0	30	-
Methylene chloride	ug/L	0.45	0.4	Q	86	-	-	-	51	139	-	-	-	-	-	-	-	-	-	-	-	-
N-Butylbenzene	ug/L	0	0.6	-	112	-	-	-	78	134	-	-	-	-	-	-	-	-	-	-	-	-
N-Propylbenzene	ug/L	0	0.4	-	110	-	-	-	79	133	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/L	0	0.4	-	87	-	-	-	51	149	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	ug/L	0	0.5	-	116	-	-	-	80	129	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	ug/L	0	0.5	-	117	-	-	-	71	135	-	-	-	103	-	103	-	60	136	0	30	-
Trichlorofluoromethane	ug/L	0	0.4	-	110	-	-	-	58	156	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	ug/L	0	0.3	-	106	-	-	-	70	129	-	-	-	105	-	104	-	73	122	1	30	-
Tetrachloroethene	ug/L	0	0.5	-	110	-	-	-	67	145	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl acetate	ug/L	0	1	-	49	-	-	-	24	143	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	0	0.5	-	109	-	-	-	48	140	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/L	0	0.3	-	105	-	-	-	54	143	-	-	-	-	-	-	-	-	-	-	-	-
m- and p-Xylene Isomers	ug/L	0	0.8	-	113	-	-	-	80	136	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	ug/L	0	0.3	-	115	-	-	-	78	133	-	-	-	-	-	-	-	-	-	-	-	-
p-Isopropyl toluene	ug/L	0	0.5	-	113	-	-	-	75	136	-	-	-	-	-	-	-	-	-	-	-	-
sec-Butylbenzene	ug/L	0	0.5	-	116	-	-	-	76	136	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	ug/L	0	0.3	-	100	-	-	-	48	134	-	-	-	-	-	-	-	-	-	-	-	-
tert-Butylbenzene	ug/L	0	0.5	-	116	-	-	-	79	129	-	-	-	-	-	-	-	-	-	-	-	-
[4-Bromofluorobenzene]	Percent	99	-	-	100	-	-	-	75	125	-	-	-	100	-	103	-	75	125	-	-	-
[Toluene-d8]	Percent	97	-	-	100	-	-	-	80	120	-	-	-	101	-	102	-	80	120	-	-	-
[Dibromofluoromethane]	Percent	99	-	-	96	-	-	-	75	120	-	-	-	99	-	98	-	75	120	-	-	-

AQUEOUS SAMPLES		METHOD BLANK			LAB CONTROL								MATRIX QC								
					LCS		LCSD					RPD	RPD	MS		MSD				RPD	RPD
	UNITS	RESULT	MDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: PCB*97117 Method: 8080 - Organochlorine Pesticides and PCBs																						
Aroclor 1016	ug/L	0	0.7	-	106	-	104	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1221	ug/L	0	0.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1232	ug/L	0	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1242	ug/L	0	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1248	ug/L	0	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1254	ug/L	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1260	ug/L	0	0.2	-	87	-	91	-	65	135	4	-	-	-	-	-	-	-	-	-	-	-
[Decachlorobiphenyl]	Percent	68	-	-	72	-	70	-	65	135	-	-	-	-	-	-	-	-	-	-	-	-
[Tetrachloro-meta-xylene]	Percent	76	-	-	89	-	87	-	65	135	-	-	-	-	-	-	-	-	-	-	-	-

NON-AQUEOUS SAMPLES		------ METHOD BLANK ------			---------- LAB CONTROL ----------								---------- MATRIX QC ----------									
					LCS		LCSD					RPD	RPD	MS		MSD					RPD	RPD
	UNITS	RESULT	MDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: BE*971738 Method: 6010 - ICAP Metals																						
Beryllium	mg/kg	0	0.02	-	96	-	97	-	80	120	1	30	-	-	-	-	-	-	-	-	-	-
Batch: BE*971739 Method: 6010 - ICAP Metals																						
Beryllium	mg/kg	0	0.02	-	96	-	97	-	80	120	1	30	-	-	-	-	-	-	-	-	-	-
Batch: BE*971740 Method: 6010 - ICAP Metals																						
Beryllium	mg/kg	0.02	0.02	-	104	-	108	-	80	120	3	30	-	-	-	-	-	-	-	-	-	-
Batch: BE*971741 Method: 6010 - ICAP Metals																						
Beryllium	mg/kg	0	0.02	-	98	-	98	-	80	120	0	30	-	-	-	-	-	-	-	-	-	-
Batch: CR*971747 Method: 6010 - ICAP Metals																						
Chromium	mg/kg	0	0.5	-	97	-	96	-	80	120	1	30	-	-	-	-	-	-	-	-	-	-
Zinc	mg/kg	0	0.3	-	98	-	97	-	80	120	1	30	-	-	-	-	-	-	-	-	-	-
Batch: CR*971748 Method: 6010 - ICAP Metals																						
Chromium	mg/kg	0	0.5	-	97	-	95	-	80	120	2	30	-	-	-	-	-	-	-	-	-	-
Zinc	mg/kg	0	0.3	-	96	-	96	-	80	120	0	30	-	-	-	-	-	-	-	-	-	-
Batch: PB*971749 Method: 6010 - ICAP Metals																						
Lead	mg/kg	1.8	3	-	89	-	87	-	80	120	2	30	-	-	-	-	-	-	-	-	-	-
Batch: PB*971750 Method: 6010 - ICAP Metals																						
Lead	mg/kg	1.5	3	-	102	-	95	-	80	120	7	30	-	-	-	-	-	-	-	-	-	-
Batch: PB*971751 Method: 6010 - ICAP Metals																						
Lead	mg/kg	0.9	3	-	96	-	96	-	80	120	0	30	-	-	-	-	-	-	-	-	-	-
Batch: 8080,PC8*97114 Method: 8080 - Organochlorine Pesticides and PCBs																						
Aroclor 1016	mg/kg	0	0.03	-	65	-	74	-	65	135	13	15	-	-	-	-	-	-	-	-	-	-
Aroclor 1221	mg/kg	0	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1232	mg/kg	0	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1242	mg/kg	0	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1248	mg/kg	0	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1254	mg/kg	0	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1260	mg/kg	0	0.007	-	104	-	104	-	65	135	1	15	-	-	-	-	-	-	-	-	-	-
[Decachlorobiphenyl]	Percent	112	-	-	96	-	107	-	65	135	-	-	-	-	-	-	-	-	-	-	-	-

NON-AQUEOUS SAMPLES		------ METHOD BLANK ------			---------- LAB CONTROL ----------								---------- MATRIX QC ----------								
					LCS		LCSD				RPD	RPD	MS		MSD				RPD	RPD	
	UNITS	RESULT	MDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: 8080,PCB*97114 Method: 8080 - Organochlorine Pesticides and PCBs, con't																						
[Tetrachloro-meta-xylene]	Percent	78	-	-	72	-	80	-	65	135	-	-	-	-	-	-	-	-	-	-	-	-

AQUEOUS SAMPLES

Batch: IR*97408 Method: 418.1 - Petroleum Hydrocarbons, Total, Spectrophotometric, Infrared

		B7061647*1	C7063157*1		C7063158*1		N/A				
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
TRPH	mg/L	0	6.22	4.28	5.91	4.28	-	-	-	-	-

AQUEOUS SAMPLES

Batch: VOA,8260*976062 Method: 8260A - Volatile Organics, GCMS

		B7061696*1	C7063245*1	.....	N/A	.....	706467*117	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Date Analyzed	Date	06/26/97	06/26/97	06/26/97	-	-	06/26/97	-	06/26/97	06/26/97	06/26/97
Dilution Factor	Times	1	1	1	-	-	1	-	1	1	1
1,1,1,2-Tetrachloroethane	ug/L	0	48.8	50.0	-	-	<0.5	-	-	-	-
1,1,1-Trichloroethane	ug/L	0	51.7	50.0	-	-	<0.5	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/L	0	49.4	50.0	-	-	<0.5	-	-	-	-
1,1,2-Trichloroethane	ug/L	0	48.0	50.0	-	-	<0.5	-	-	-	-
1,1-Dichloroethane	ug/L	0	46.0	50.0	-	-	<0.5	-	-	-	-
1,1-Dichloroethene	ug/L	0	44.4	50.0	-	-	<0.5	-	51.1	50.4	50.0
1,1-Dichloropropene	ug/L	0	50.1	50.0	-	-	<0.5	-	-	-	-
1,2,3-Trichlorobenzene	ug/L	0.48	52.5	50.0	-	-	<0.5	-	-	-	-
1,2,3-Trichloropropane	ug/L	0	51.3	50.0	-	-	<1	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	0.40	53.7	50.0	-	-	<0.5	-	-	-	-
1,2,4-Trimethylbenzene	ug/L	0	52.3	50.0	-	-	<0.5	-	-	-	-
1,2-Dibromo-3-chloropropane	ug/L	0	49.9	50.0	-	-	<2	-	-	-	-
1,2-Dibromoethane	ug/L	0	50.3	50.0	-	-	<0.5	-	-	-	-
1,2-Dichloroethane	ug/L	0	52.7	50.0	-	-	<0.5	-	-	-	-
1,2-Dichlorobenzene	ug/L	0	52.8	50.0	-	-	<0.5	-	-	-	-
1,2-Dichloropropane	ug/L	0	48.2	50.0	-	-	<0.5	-	-	-	-
1,3,5-Trimethylbenzene	ug/L	0	53.3	50.0	-	-	<0.5	-	-	-	-
1,3-Dichlorobenzene	ug/L	0	52.2	50.0	-	-	<0.5	-	-	-	-
1,3-Dichloropropane	ug/L	0	47.8	50.0	-	-	<0.5	-	-	-	-
1,4-Dichlorobenzene	ug/L	0	50.7	50.0	-	-	<0.5	-	-	-	-
2,2-Dichloropropane	ug/L	0	51.2	50.0	-	-	<1	-	-	-	-
2-Chloroethylvinylether	ug/L	0	48.2	50.0	-	-	<4	-	-	-	-
2-Chlorotoluene	ug/L	0	50.8	50.0	-	-	<0.5	-	-	-	-
2-Hexanone	ug/L	0	51.7	50.0	-	-	<5	-	-	-	-
4-Chlorotoluene	ug/L	0	51.5	50.0	-	-	<0.5	-	-	-	-
Acetone	ug/L	5.5	39.5	50.0	-	-	<10	-	-	-	-
Bromobenzene	ug/L	0	50.1	50.0	-	-	<0.5	-	-	-	-
Bromochloromethane	ug/L	0	48.5	50.0	-	-	<0.5	-	-	-	-
Bromodichloromethane	ug/L	0	48.8	50.0	-	-	<0.5	-	-	-	-
Bromomethane	ug/L	0	37.5	50.0	-	-	<0.5	-	-	-	-
Benzene	ug/L	0	46.0	50.0	-	-	<0.5	-	53.5	52.3	50.0
Bromoform	ug/L	0	55.3	50.0	-	-	<0.5	-	-	-	-
Chlorobenzene	ug/L	0	53.3	50.0	-	-	<0.5	-	57.3	56.2	50.0
Carbon Tetrachloride	ug/L	0	55.8	50.0	-	-	<0.5	-	-	-	-
Chloroethar	ug/L	0	41.4	50.0	-	-	<0.5	-	-	-	

AQUEOUS SAMPLES

Batch: VOA,8260*976062 Method: 8260A - Volatile Organics, GCMS, con't

		B7061696*1	C7063245*1	.....	N/A	.....	706467*117	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Chloroform	ug/L	0	46.2	50.0	-	-	<0.5	-	-	-	-
Chloromethane	ug/L	0	45.5	50.0	-	-	<1	-	-	-	-
Carbon Disulfide	ug/L	0	57.0	50.0	-	-	<2	-	-	-	-
Dibromochloromethane	ug/L	0	48.6	50.0	-	-	<0.5	-	-	-	-
Dibromomethane	ug/L	0	54.2	50.0	-	-	<0.5	-	-	-	-
Dichlorodifluoromethane	ug/L	0	49.3	50.0	-	-	<0.5	-	-	-	-
Ethylbenzene	ug/L	0	51.8	50.0	-	-	<0.5	-	-	-	-
Freon 113	ug/L	0	48.2	50.0	-	-	<1	-	-	-	-
Hexachlorobutadiene	ug/L	0.27	56.8	50.0	-	-	<1	-	-	-	-
Isopropylbenzene	ug/L	0	54.6	50.0	-	-	<0.5	-	-	-	-
Methyl ethyl ketone	ug/L	0	37.8	50.0	-	-	<10	-	-	-	-
Methyl isobutyl ketone	ug/L	0	64.1	50.0	-	-	<4	-	-	-	-
Methyl-tert-butylether	ug/L	0	180	200	-	-	<5	-	200	200	200
Methylene chloride	ug/L	1.7	40.2	50.0	-	-	<2	-	-	-	-
N-Butylbenzene	ug/L	0	52.5	50.0	-	-	<1	-	-	-	-
N-Propylbenzene	ug/L	0	50.3	50.0	-	-	<0.5	-	-	-	-
Naphthalene	ug/L	0.77	45.6	50.0	-	-	<0.5	-	-	-	-
Styrene	ug/L	0	54.0	50.0	-	-	<0.5	-	-	-	-
Trichloroethene	ug/L	0	49.8	50.0	-	-	<0.5	-	53.9	53.0	50.0
Trichlorofluoromethane	ug/L	0	50.6	50.0	-	-	<0.5	-	-	-	-
Toluene	ug/L	0	47.8	50.0	-	-	<0.5	-	56.2	53.4	50.0
Tetrachloroethene	ug/L	0	52.2	50.0	-	-	<0.5	-	-	-	-
Vinyl acetate	ug/L	0	44.1	50.0	-	-	<5	-	-	-	-
Vinyl chloride	ug/L	0	46.7	50.0	-	-	<0.5	-	-	-	-
cis-1,2-Dichloroethene	ug/L	0	45.5	50.0	-	-	<0.5	-	-	-	-
m- and p-Xylene Isomers	ug/L	0	105	100	-	-	<1	-	-	-	-
o-Xylene	ug/L	0	52.9	50.0	-	-	<0.5	-	-	-	-
p-Isopropyl toluene	ug/L	0	53.3	50.0	-	-	<0.5	-	-	-	-
sec-Butylbenzene	ug/L	0	54.7	50.0	-	-	<0.5	-	-	-	-
trans-1,2-Dichloroethene	ug/L	0	44.2	50.0	-	-	<0.5	-	-	-	-
tert-Butylbenzene	ug/L	0	54.5	50.0	-	-	<0.5	-	-	-	-
4-Bromofluorobenzene Rep.	ug/L	46.9	50.0	50.0	-	-	48.1	-	50.0	50.1	50.0
4-Bromofluorobenzene Theo.	ug/L	50.0	50.0	50.0	-	-	50.0	-	50.0	50.0	50.0
Toluene-d8 Reported	ug/L	47.4	49.4	50.0	-	-	49.0	-	51.1	49.4	50.0
Toluene-d8 Theo.	ug/L	50.0	50.0	50.0	-	-	50.0	-	50.0	50.0	50.0
Dibromofluoromethane Rep.	ug/L	48.9	49.5	50.0	-	-	48.5	-	49.9	50.8	50.0
Dibromof[illegible]methane Theo.	ug/L	50.0	50.0	50.0	-	-	50.0	-	50.0	50.0	)

AQUEOUS SAMPLES

Batch: VOA,8260*976063 Method: 8260A - Volatile Organics, GCMS

		B7061688*1	C7063231*1	.....	N/A	.....	9706493*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Date Analyzed	Date	06/27/97	06/27/97	06/27/97	-	-	06/27/97	-	06/27/97	06/27/97	06/27/97
Dilution Factor	Times	1	1	1	-	-	1	-	1	1	1
1,1,1,2-Tetrachloroethane	ug/L	0	52.3	50.0	-	-	<0.5	-	-	-	-
1,1,1-Trichloroethane	ug/L	0	56.9	50.0	-	-	<0.5	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/L	0	44.5	50.0	-	-	<0.5	-	-	-	-
1,1,2-Trichloroethane	ug/L	0	49.2	50.0	-	-	<0.5	-	-	-	-
1,1-Dichloroethane	ug/L	0	50.5	50.0	-	-	<0.5	-	-	-	-
1,1-Dichloroethene	ug/L	0	51.3	50.0	-	-	<0.5	-	50.3	48.2	50.0
1,1-Dichloropropene	ug/L	0	55.1	50.0	-	-	<0.5	-	-	-	-
1,2,3-Trichlorobenzene	ug/L	0	53.1	50.0	-	-	<0.5	-	-	-	-
1,2,3-Trichloropropane	ug/L	0	48.2	50.0	-	-	<1	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	0	53.3	50.0	-	-	<0.5	-	-	-	-
1,2,4-Trimethylbenzene	ug/L	0	55.8	50.0	-	-	<0.5	-	-	-	-
1,2-Dibromo-3-chloropropane	ug/L	0	46.6	50.0	-	-	<2	-	-	-	-
1,2-Dibromoethane	ug/L	0	49.4	50.0	-	-	<0.5	-	-	-	-
1,2-Dichloroethane	ug/L	0	53.1	50.0	-	-	<0.5	-	-	-	-
1,2-Dichlorobenzene	ug/L	0	56.1	50.0	-	-	<0.5	-	-	-	-
1,2-Dichloropropane	ug/L	0	54.0	50.0	-	-	<0.5	-	-	-	-
1,3,5-Trimethylbenzene	ug/L	0	57.1	50.0	-	-	<0.5	-	-	-	-
1,3-Dichlorobenzene	ug/L	0	55.4	50.0	-	-	<0.5	-	-	-	-
1,3-Dichloropropane	ug/L	0	50.1	50.0	-	-	<0.5	-	-	-	-
1,4-Dichlorobenzene	ug/L	0	54.2	50.0	-	-	<0.5	-	-	-	-
2,2-Dichloropropane	ug/L	0	49.8	50.0	-	-	<1	-	-	-	-
2-Chloroethylvinylether	ug/L	0	53.9	50.0	-	-	<4	-	-	-	-
2-Chlorotoluene	ug/L	0	54.8	50.0	-	-	<0.5	-	-	-	-
2-Hexanone	ug/L	0	47.0	50.0	-	-	<5	-	-	-	-
4-Chlorotoluene	ug/L	0	55.5	50.0	-	-	<0.5	-	-	-	-
Acetone	ug/L	2.6	39.6	50.0	-	-	<10	-	-	-	-
Bromobenzene	ug/L	0	54.0	50.0	-	-	<0.5	-	-	-	-
Bromochloromethane	ug/L	0	54.0	50.0	-	-	<0.5	-	-	-	-
Bromodichloromethane	ug/L	0	53.1	50.0	-	-	<0.5	-	-	-	-
Bromomethane	ug/L	0	59.6	50.0	-	-	<0.5	-	-	-	-
Benzene	ug/L	0	51.7	50.0	-	-	<0.5	-	51.7	50.8	50.0
Bromoform	ug/L	0	53.9	50.0	-	-	<0.5	-	-	-	-
Chlorobenzene	ug/L	0	56.9	50.0	-	-	<0.5	-	54.2	55.4	50.0
Carbon Tetrachloride	ug/L	0	57.9	50.0	-	-	<0.5	-	-	-	-
Chloroethane	ug/L	0	49.0	50.0	-	-	<0.5	-	-	-	

AQUEOUS SAMPLES

Batch: VOA,8260*976063 Method: 8260A - Volatile Organics, GCMS, con't

		B7061688*1	C7063231*1		N/A		9706493*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Chloroform	ug/L	0	52.5	50.0	-	-	<0.5	-	-	-	-
Chloromethane	ug/L	0	54.9	50.0	-	-	<1	-	-	-	-
Carbon Disulfide	ug/L	0	64.8	50.0	-	-	<2	-	-	-	-
Dibromochloromethane	ug/L	0	50.5	50.0	-	-	<0.5	-	-	-	-
Dibromomethane	ug/L	0	55.2	50.0	-	-	<0.5	-	-	-	-
Dichlorodifluoromethane	ug/L	0	56.0	50.0	-	-	<0.5	-	-	-	-
Ethylbenzene	ug/L	0	56.4	50.0	-	-	<0.5	-	-	-	-
Freon 113	ug/L	0	54.3	50.0	-	-	<1	-	-	-	-
Hexachlorobutadiene	ug/L	0	57.6	50.0	-	-	<1	-	-	-	-
Isopropylbenzene	ug/L	0	57.8	50.0	-	-	<0.5	-	-	-	-
Methyl ethyl ketone	ug/L	0	36.2	50.0	-	-	<10	-	-	-	-
Methyl isobutyl ketone	ug/L	0	65.1	50.0	-	-	<4	-	-	-	-
Methyl-tert-butylether	ug/L	0	190	200	-	-	<5	-	191	191	200
Methylene chloride	ug/L	0.45	43.0	50.0	-	-	<2	-	-	-	-
N-Butylbenzene	ug/L	0	56.0	50.0	-	-	<1	-	-	-	-
N-Propylbenzene	ug/L	0	55.2	50.0	-	-	<0.5	-	-	-	-
Naphthalene	ug/L	0	43.4	50.0	-	-	<0.5	-	-	-	-
Styrene	ug/L	0	58.0	50.0	-	-	<0.5	-	-	-	-
Trichloroethene	ug/L	0	58.6	50.0	-	-	<0.5	-	51.6	51.4	50.0
Trichlorofluoromethane	ug/L	0	55.1	50.0	-	-	<0.5	-	-	-	-
Toluene	ug/L	0	52.9	50.0	-	-	<0.5	-	52.6	51.9	50.0
Tetrachloroethene	ug/L	0	55.2	50.0	-	-	<0.5	-	-	-	-
Vinyl acetate	ug/L	0	24.3	50.0	-	-	<5	-	-	-	-
Vinyl chloride	ug/L	0	54.5	50.0	-	-	<0.5	-	-	-	-
cis-1,2-Dichloroethene	ug/L	0	52.7	50.0	-	-	<0.5	-	-	-	-
m- and p-Xylene Isomers	ug/L	0	113	100	-	-	<1	-	-	-	-
o-Xylene	ug/L	0	57.6	50.0	-	-	<0.5	-	-	-	-
p-Isopropyl toluene	ug/L	0	56.7	50.0	-	-	<0.5	-	-	-	-
sec-Butylbenzene	ug/L	0	58.2	50.0	-	-	<0.5	-	-	-	-
trans-1,2-Dichloroethene	ug/L	0	49.9	50.0	-	-	<0.5	-	-	-	-
tert-Butylbenzene	ug/L	0	58.0	50.0	-	-	<0.5	-	-	-	-
4-Bromofluorobenzene Rep.	ug/L	49.3	50.2	50.0	-	-	49.3	-	50.0	51.6	50.0
4-Bromofluorobenzene Theo.	ug/L	50.0	50.0	50.0	-	-	50.0	-	50.0	50.0	50.0
Toluene-d8 Reported	ug/L	48.3	50.2	50.0	-	-	48.7	-	50.6	50.8	50.0
Toluene-d8 Theo.	ug/L	50.0	50.0	50.0	-	-	50.0	-	50.0	50.0	50.0
Dibromofluoromethane Rep.	ug/L	49.4	48.2	50.0	-	-	48.6	-	49.3	49.2	50.0
Dibromofluoromethane Theo.	ug/L	50.0	50.0	50.0	-	-	50.0	-	50.0	50.0	

AQUEOUS SAMPLES

Batch: PCB*97117 Method: 8080 - Organochlorine Pesticides and PCBs

		87061607*1	C7063081*1		C7063082*1		9706542*1	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Date Analyzed	Date	07/01/97	07/01/97	07/01/97	07/01/97	07/01/97	-	-	-	-	-
Date Extracted	Date	06/26/97	06/26/97	06/26/97	06/26/97	06/26/97	-	-	-	-	-
Dilution Factor	Times	1	1	1	1	1	-	-	-	-	-
Aroclor 1016	ug/L	0	5.32	5.00	5.20	5.00	-	-	-	-	-
Aroclor 1221	ug/L	0	-	-	-	-	-	-	-	-	-
Aroclor 1232	ug/L	0	-	-	-	-	-	-	-	-	-
Aroclor 1242	ug/L	0	-	-	-	-	-	-	-	-	-
Aroclor 1248	ug/L	0	-	-	-	-	-	-	-	-	-
Aroclor 1254	ug/L	0	-	-	-	-	-	-	-	-	-
Aroclor 1260	ug/L	0	4.36	5.00	4.56	5.00	-	-	-	-	-
Decachlorobiphenyl Reported	ug/L	0.170	0.180	0.250	0.176	0.250	-	-	-	-	-
Decachlorobiphenyl Theoretical	ug/L	0.250	0.250	0.250	0.250	0.250	-	-	-	-	-
Tetrachloro-meta-xylene Rpt.	ug/L	0.189	0.222	0.250	0.217	0.250	-	-	-	-	-
Tetrachloro-meta-xylene Theor.	ug/L	0.250	0.250	0.250	0.250	0.250	-	-	-	-	-

NON-AQUEOUS SAMPLES

Batch: DIG,NAQ*971738 Method: 3050 - Acid Digestion of Sediments, etc.

		(BLANK)	(LCS)		(LCSD)		(MTX QC)	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Digestion	Date	06/25/97	06/25/97	06/25/97	06/25/97	06/25/97	06/25/97	06/25/97	06/25/97	06/25/97	06/25/97

Batch: BE*971738 Method: 6010 - ICAP Metals

		B7061492*1	C7062846*1	.....	C7062849*1	.....	N/A	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Beryllium	ug/wipe	0	38.3	40.0	38.6	40.0	-	-	-	-	-

Batch: DIG,NAQ*971739 Method: 3050 - Acid Digestion of Sediments, etc.

		(BLANK)	(LCS)		(LCSD)		(MTX QC)	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Digestion	Date	06/25/97	06/25/97	06/25/97	06/25/97	06/25/97	06/25/97	06/25/97	06/25/97	06/25/97	06/25/97

Batch: BE*971739 Method: 6010 - ICAP Metals

		B7061493*1	C7062847*1	.....	C7062848*1	.....	N/A	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Beryllium	ug/wipe	0	38.3	40.0	38.6	40.0	-	-	-	-	-

Batch: DIG,NAQ*971740 Method: 3050 - Acid Digestion of Sediments, etc.

		(BLANK)	(LCS)		(LCSD)		(MTX QC)	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Digestion	Date	06/25/97	06/25/97	06/25/97	06/25/97	06/25/97	06/25/97	06/25/97	06/25/97	06/25/97	06/25/97

Batch: BE*971740 Method: 6010 - ICAP Metals

		B7061494*1	C7062850*1	.....	C7062851*1	.....	N/A	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Beryllium	mg/Kg	0.02	41.7	40.0	43.1	40.0	-	-	-	-	-

Batch: DIG,NAQ*971741 Method: 3050 - Acid Digestion of Sediments, etc.

		(BLANK)	(LCS)		(LCSD)		(MTX QC)	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Digestion	Date	06/25/97	06/25/97	06/25/97	5/97	06/25/97	06/25/97	06/25/97	06/25/97	06/25/97	06/

NON-AQUEOUS SAMPLES

Batch: BE*971741 Method: 6010 - ICAP Metals

		B7061495*1	C7062853*1	.....	C7062854*1	.....	N/A	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Beryllium	ug/wipe	0	39.0	40.0	39.0	40.0	-	-	-	-	-

Batch: DIG,NAQ*971747 Method: 3050 - Acid Digestion of Sediments, etc.

		(BLANK)	(LCS)	.....	(LCSD)	.....	(MTX QC)	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Digestion	Date	06/25/97	06/25/97	06/25/97	06/25/97	06/25/97	06/25/97	06/25/97	06/25/97	06/25/97	06/25/97

Batch: CR*971747 Method: 6010 - ICAP Metals

		B7061538*1	C7062939*1	.....	C7062940*1	.....	N/A	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Chromium	ug/wipe	0	96.6	100	95.5	100	-	-	-	-	-

Batch: ZN*971747 Method: 6010 - ICAP Metals

		B7061539*1	C7062942*1	.....	C7062943*1	.....	N/A	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Zinc	ug/wipe	0	98.1	100	97.4	100	-	-	-	-	-

Batch: DIG,NAQ*971748 Method: 3050 - Acid Digestion of Sediments, etc.

		(BLANK)	(LCS)	.....	(LCSD)	.....	(MTX QC)	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Digestion	Date	06/25/97	06/25/97	06/25/97	06/25/97	06/25/97	06/25/97	06/25/97	06/25/97	06/25/97	06/25/97

Batch: CR*971748 Method: 6010 - ICAP Metals

		B7061540*1	C7062945*1	.....	C7062946*1	.....	N/A	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Chromium	ug/wipe	0	96.6	100	96.0	100	-	-	-	-	-

Batch: ZN*971748 Method: 6010 - ICAP Metals

		B7061541*1	C7062948*1	.....	C7062949*1	.....	N/A	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Zinc	ug/wipe	0	95.7	100	95.8	100	-	-	-	-	

NON-AQUEOUS SAMPLES

Batch: DIG,NAQ*971749 Method: 3050 - Acid Digestion of Sediments, etc.

		(BLANK)	(LCS)	.....	(LCSD)	.....	(MTX QC)	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Digestion	Date	06/25/97	06/25/97	06/25/97	06/25/97	06/25/97	06/25/97	06/25/97	06/25/97	06/25/97	06/25/97

Batch: PB*971749 Method: 6010 - ICAP Metals

		B7061543*1	C7062953*1	.....	C7062954*1	.....	N/A	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Lead	mg/kg	1.8	88.6	100	87.0	100	-	-	-	-	-

Batch: DIG,NAQ*971750 Method: 3050 - Acid Digestion of Sediments, etc.

		(BLANK)	(LCS)	.....	(LCSD)	.....	(MTX QC)	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Digestion	Date	06/25/97	06/25/97	06/25/97	06/25/97	06/25/97	06/25/97	06/25/97	06/25/97	06/25/97	06/25/97

Batch: PB*971750 Method: 6010 - ICAP Metals

		B7061544*1	C7062956*1	.....	C7062957*1	.....	N/A	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Lead	mg/kg	1.5	102	100	94.7	100	-	-	-	-	-

Batch: DIG,NAQ*971751 Method: 3050 - Acid Digestion of Sediments, etc.

		(BLANK)	(LCS)	.....	(LCSD)	.....	(MTX QC)	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Digestion	Date	06/25/97	06/25/97	06/25/97	06/25/97	06/25/97	06/25/97	06/25/97	06/25/97	06/25/97	06/25/97

Batch: PB*971751 Method: 6010 - ICAP Metals

		B7061545*1	C7062959*1	.....	C7062960*1	.....	N/A	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Lead	mg/kg	0.9	96.2	100	96.2	100	-	-	-	-	-

NON-AQUEOUS SAMPLES

Batch: 8080,PCB*97114 Method: 8080 - Organochlorine Pesticides and PCBs

		B7061449*1	C7062769*1		C7062981*1		N/A	.....	.....	.....	
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Date Analyzed	Date	06/24/97	06/24/97	06/24/97	06/24/97	06/24/97	-	-	-	-	-
Date Extracted	Date	06/24/97	06/24/97	06/24/97	06/24/97	06/24/97	-	-	-	-	-
Dilution Factor	Times	1	1	-	1	1	-	-	-	-	-
Aroclor 1016	mg/kg	0	0.108	0.167	0.123	0.167	-	-	-	-	-
Aroclor 1221	mg/kg	0	-	-	-	-	-	-	-	-	-
Aroclor 1232	mg/kg	0	-	-	-	-	-	-	-	-	-
Aroclor 1242	mg/kg	0	-	-	-	-	-	-	-	-	-
Aroclor 1248	mg/kg	0	-	-	-	-	-	-	-	-	-
Aroclor 1254	mg/kg	0	-	-	-	-	-	-	-	-	-
Aroclor 1260	mg/kg	0	0.173	0.167	0.174	0.167	-	-	-	-	-
Decachlorobipheny1 Reported	mg/kg	0.0093	0.0080	0.0083	0.0089	0.0083	-	-	-	-	-
Decachlorobiphenyl Theoretical	mg/kg	0.0083	0.0083	0.0083	0.0083	0.0083	-	-	-	-	-
Tetrachloro-meta-xylene Rpt.	mg/kg	0.0065	0.0060	0.0083	0.0066	0.0083	-	-	-	-	-
Tetrachloro-meta-xylene Theor.	mg/kg	0.0083	0.0083	0.0083	0.0083	0.0083	-	-	-	-	-

: SURROGATE RECOVERIES :
: BC ANALYTICAL : GLEN LAB : 15:21:28 07 JUL 1997 - P. 1 :

METHOD	ANALYTE	BATCH	ANALYZED	REPORTED	TRUE	%REC	FLAG
9706467*1							
8080	Tetrachloro-meta-xylene	R97114	06/30/97	0	NC 0.0167	0	
	Decachlorobiphenyl	97114	06/30/97	0	NC 0.0167	0	
9706467*2							
8080	Tetrachloro-meta-xylene	R97114	07/01/97	0	NC 0.0167	0	
	Decachlorobiphenyl	97114	07/01/97	0	NC 0.0167	0	
9706467*3							
8080	Tetrachloro-meta-xylene	R97114	06/30/97	0	NC 0.0167	0	
	Decachlorobiphenyl	97114	06/30/97	0	NC 0.0167	0	
9706467*105							
8260A	Toluene-d8	976062	06/26/97	48.2	50.0	96	
	4-Bromofluorobenzene Rep.	976062	06/26/97	48.0	50.0	96	
	Dibromofluoromethane Rep.	976062	06/26/97	48.0	50.0	96	
9706467*106							
8260A	Toluene-d8	976062	06/26/97	48.5	50.0	97	
	4-Bromofluorobenzene Rep.	976062	06/26/97	48.2	50.0	96	
	Dibromofluoromethane Rep.	976062	06/26/97	48.1	50.0	96	
9706467*107							
8260A	Toluene-d8	976062	06/26/97	48.7	50.0	97	
	4-Bromofluorobenzene Rep.	976062	06/26/97	49.0	50.0	98	
	Dibromofluoromethane Rep.	976062	06/26/97	47.8	50.0	96	
9706467*108							
8260A	Toluene-d8	976062	06/26/97	48.2	50.0	96	
	4-Bromofluorobenzene Rep.	976062	06/26/97	47.8	50.0	96	
	Dibromofluoromethane Rep.	976062	06/26/97	47.6	50.0	95	
9706467*109							
8260A	Toluene-d8	976062	06/26/97	49.0	50.0	98	
	4-Bromofluorobenzene Rep.	976062	06/26/97	48.2	50.0	96	
	Dibromofluoromethane Rep.	976062	06/26/97	48.2	50.0	96	
9706467*110							
8260A	Toluene-d8	976062	06/26/97	48.5	50.0	97	
	4-Bromofluorobenzene Rep.	976062	06/26/97	47.9	50.0	96	
	Dibromofluoromethane Rep.	976062	06/26/97	48.1	50.0	96	
9706467*111							
8260A	Toluene-d8	976062	06/26/97	48.3	50.0	97	
	4-Bromofluorobenzene Rep.	976062	06/26/97	48.3	50.0	97	
	Dibromofluoromethane Rep.	976062	06/26/97	48.3	50.0	97	

METHOD	ANALYTE	BATCH	ANALYZED	REPORTED	TRUE	%REC	FLAG
9706467*112							
8260A	Toluene-d8	976062	06/26/97	49.9	50.0	100	
	4-Bromofluorobenzene Rep.	976062	06/26/97	49.0	50.0	98	
	Dibromofluoromethane Rep.	976062	06/26/97	47.4	50.0	95	
9706467*113							
8260A	Toluene-d8	976062	06/26/97	49.4	50.0	99	
	4-Bromofluorobenzene Rep.	976062	06/26/97	48.8	50.0	98	
	Dibromofluoromethane Rep.	976062	06/26/97	48.3	50.0	97	
9706467*114							
8260A	Toluene-d8	976063	06/27/97	48.5	50.0	97	
	4-Bromofluorobenzene Rep.	976063	06/27/97	48.1	50.0	96	
	Dibromofluoromethane Rep.	976063	06/27/97	48.9	50.0	98	
9706467*115							
8260A	Toluene-d8	976063	06/27/97	48.4	50.0	97	
	4-Bromofluorobenzene Rep.	976063	06/27/97	47.4	50.0	95	
	Dibromofluoromethane Rep.	976063	06/27/97	47.1	50.0	94	
467*116							
8260A	Toluene-d8	976063	06/27/97	48.8	50.0	98	
	4-Bromofluorobenzene Rep.	976063	06/27/97	49.7	50.0	99	
	Dibromofluoromethane Rep.	976063	06/27/97	48.7	50.0	97	
9706467*117							
8260A	Toluene-d8	976062	06/26/97	49.0	50.0	98	
	4-Bromofluorobenzene Rep.	976062	06/26/97	48.1	50.0	96	
	Dibromofluoromethane Rep.	976062	06/26/97	48.5	50.0	97	
9706467*118							
8260A	Toluene-d8	976063	06/27/97	49.1	50.0	98	
	4-Bromofluorobenzene Rep.	976063	06/27/97	49.1	50.0	98	
	Dibromofluoromethane Rep.	976063	06/27/97	47.7	50.0	95	
9706467*119							
8260A	Toluene-d8	976063	06/27/97	48.1	50.0	96	
	4-Bromofluorobenzene Rep.	976063	06/27/97	49.8	50.0	100	
	Dibromofluoromethane Rep.	976063	06/27/97	48.2	50.0	96	
9706467*120							
3	Toluene-d8	976063	06/27/97	47.9	50.0	96	
	4-Bromofluorobenzene Rep.	976063	06/27/97	48.6	50.0	97	
	Dibromofluoromethane Rep.	976063	06/27/97	47.8	50.0	96	
9706467*121							

METHOD	ANALYTE	BATCH	ANALYZED	REPORTED	TRUE	%REC	FLAG
8260A	Toluene-d8	976063	06/27/97	49.2	50.0	98	
	4-Bromofluorobenzene Rep.	976063	06/27/97	49.1	50.0	98	
	Dibromofluoromethane Rep.	976063	06/27/97	47.6	50.0	95	
9706467*122							
8260A	Toluene-d8	976063	06/27/97	48.7	50.0	97	
	4-Bromofluorobenzene Rep.	976063	06/27/97	48.9	50.0	98	
	Dibromofluoromethane Rep.	976063	06/27/97	47.9	50.0	96	
9706467*123							
8260A	Toluene-d8	976063	06/27/97	45.6	50.0	91	
	4-Bromofluorobenzene Rep.	976063	06/27/97	48.9	50.0	98	
	Dibromofluoromethane Rep.	976063	06/27/97	48.2	50.0	96	
9706467*124							
8080	Tetrachloro-meta-xylene	R97117	07/02/97	0.190	0.250	76	
	Decachlorobiphenyl	97117	07/02/97	0.0805	0.250	32	
9706467*125							
8080	Tetrachloro-meta-xylene	R97117	07/02/97	0.201	0.250	80	
	Decachlorobiphenyl	97117	07/02/97	0.165	0.250	66	
9706467*126							
8080	Tetrachloro-meta-xylene	R97117	07/02/97	0.167	0.250	67	
	Decachlorobiphenyl	97117	07/02/97	0.105	0.250	42	

: SURROGATE RECOVERIES :
: BC ANALYTICAL : GLEN LAB : 15:21:53 07 JUL 1997 - P. 1 :

METHOD	ANALYTE	BATCH	ANALYZED	REPORTED	TRUE	%REC	FLAG
6467*117*R1							
8260A	Toluene-d8	976062	06/26/97	49.0	50.0	98	
	4-Bromofluorobenzene Rep.	976062	06/26/97	48.1	50.0	96	
	Dibromofluoromethane Rep.	976062	06/26/97	48.5	50.0	97	
9706467*117*S1							
8260A	Toluene-d8	976062	06/26/97	51.1	50.0	102	
	4-Bromofluorobenzene Rep.	976062	06/26/97	50.0	50.0	100	
	Dibromofluoromethane Rep.	976062	06/26/97	49.9	50.0	100	
9706467*117*S2							
8260A	Toluene-d8	976062	06/26/97	49.4	50.0	99	
	4-Bromofluorobenzene Rep.	976062	06/26/97	50.1	50.0	100	
	Dibromofluoromethane Rep.	976062	06/26/97	50.8	50.0	102	
9706467*117*T							
8260A	Toluene-d8	976062	06/26/97	50.0	50.0	100	
	4-Bromofluorobenzene Rep.	976062	06/26/97	50.0	50.0	100	
	Dibromofluoromethane Rep.	976062	06/26/97	50.0	50.0	100	
B7061449*1*MB							
8080	Tetrachloro-meta-xylene	R97114	06/24/97	0.0065	0.0083	78	
	Decachlorobiphenyl	97114	06/24/97	0.0093	0.0083	112	
B7061607*1*MB							
8080	Tetrachloro-meta-xylene	R97117	07/01/97	0.189	0.250	76	
	Decachlorobiphenyl	97117	07/01/97	0.170	0.250	68	
B7061621*1*MB							
8080	Tetrachloro-meta-xylene	R97114	06/24/97	0.194	0.250	78	
	Decachlorobiphenyl	97114	06/24/97	0.278	0.250	111	
B7061688*1*MB							
8260A	Dibromofluoromethane Rep.	976063	06/27/97	49.4	50.0	99	
	Toluene-d8	976063	06/27/97	48.3	50.0	97	
	4-Bromofluorobenzene Rep.	976063	06/27/97	49.3	50.0	99	
B7061696*1*MB							
8260A	Dibromofluoromethane Rep.	976062	06/26/97	48.9	50.0	98	
	Toluene-d8	976062	06/26/97	47.4	50.0	95	
	4-Bromofluorobenzene Rep.	976062	06/26/97	46.9	50.0	94	
[illegible]769*1*LC							
8080	Tetrachloro-meta-xylene	R97114	06/24/97	0.0060	0.0083	72	
	Decachlorobiphenyl	97114	06/24/97	0.0080	0.0083	96	

METHOD	ANALYTE	BATCH	ANALYZED	REPORTED	TRUE	%REC	FLAG
J2769*1*LT							
8080	Tetrachloro-meta-xylene	R97114	06/24/97	0.0083	0.0083	100	
	Decachlorobiphenyl	97114	06/24/97	0.0083	0.0083	100	
C7062981*1*LC							
8080	Tetrachloro-meta-xylene	R97114	06/24/97	0.0066	0.0083	80	
	Decachlorobiphenyl	97114	06/24/97	0.0089	0.0083	107	
C7062981*1*LT							
8080	Tetrachloro-meta-xylene	R97114	06/24/97	0.0083	0.0083	100	
	Decachlorobiphenyl	97114	06/24/97	0.0083	0.0083	100	
C7063081*1*LC							
8080	Tetrachloro-meta-xylene	R97117	07/01/97	0.222	0.250	89	
	Decachlorobiphenyl	97117	07/01/97	0.180	0.250	72	
C7063081*1*LT							
3080	Tetrachloro-meta-xylene	R97117	07/01/97	0.250	0.250	100	
	Decachlorobiphenyl	97117	07/01/97	0.250	0.250	100	
082*1*LC							
3080	Tetrachloro-meta-xylene	R97117	07/01/97	0.217	0.250	87	
	Decachlorobiphenyl	97117	07/01/97	0.176	0.250	70	
7063082*1*LT							
3080	Tetrachloro-meta-xylene	R97117	07/01/97	0.250	0.250	100	
	Decachlorobiphenyl	97117	07/01/97	0.250	0.250	100	
7063231*1*LC							
260A	Dibromofluoromethane	Rep.976063	06/27/97	48.2	50.0	96	
	Toluene-d8	976063	06/27/97	50.2	50.0	100	
	4-Bromofluorobenzene	Rep.976063	06/27/97	50.2	50.0	100	
7063231*1*LT							
260A	Dibromofluoromethane	Rep.976063	06/27/97	50.0	50.0	100	
	Toluene-d8	976063	06/27/97	50.0	50.0	100	
	4-Bromofluorobenzene	Rep.976063	06/27/97	50.0	50.0	100	
7063245*1*LC							
260A	Dibromofluoromethane	Rep.976062	06/26/97	49.5	50.0	99	
	Toluene-d8	976062	06/26/97	49.4	50.0	99	
	4-Bromofluorobenzene	Rep.976062	06/26/97	50.0	50.0	100	
7063245*1*LT							
260A	Dibromofluoromethane	Rep.976062	06/26/97	50.0	50.0	100	

METHOD	ANALYTE	BATCH	ANALYZED	REPORTED	TRUE	%REC	FLAG
	Toluene-d8	976062	06/26/97	50.0	50.0	100	
	4-Bromofluorobenzene Rep.	976062	06/26/97	50.0	50.0	100	

BAR CODE

V.O.C. Analytical Laboratories

Chain of Custody Record

LAB USE ONLY

V.O.C Log 57100T

Login L # _____

Company Name Tetra Tech. Inc.

Address 670 N. Rosemead Blvd.

City Pasadena State CA Zip 91107.

Attn: Frank Najafi fax # 818-351-816

Project Name / Number Former ABC facility 1445-01

Sampler Name / Signature Frank Najafi

LAB ANALYSIS

#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code*	No. of Cont	Parameters: Smpl pH	Pres Codes	PCB 8080	Be 6010	Field Filtered (Y/N)	Integrity OK (Y/N)	Comments
1	1-618-PCB-01	6/18/97		S	1			X				
2	5-618-PCB-01	6/18/97		S	1			X				
3	2-618-PCB-01	6/18/97		S	1			X				
4	2-618-Be-01	6/18/97		S	1				X			1 TAT
5	2-618-Be-02	6/18/97		S	1				X			
6	2-618-Be-03	6/18/97		S	1				X			
7	2-618-Be-04	6/18/97		S	1				X			
8	2-618-Be-05	6/18/97		S	1				X			
9	2-618-Be-06	6/18/97		S	1				X			
10	2-618-Be-07	6/18/97		S	1				X			

Matrix Codes *

S	Solid Waste	SW	Surface Water
GW	Ground Water	OL	Oil
EFF	Effluent	SL	Sludge
AFW	Analyte Free H2O	SO	Soil Sediment
WW	Waste Water	O	Other
DW	Drinking Water		

Short Hold Y N

Ice Y N

Pres Codes **

A- None	E- NaOH
B- HNO3	F- Ice
C- H2SO4	O- Other
D- NaOH	
E- HCl	

QA/QC Report Level

None 1 2 3 Other

COC OK Y N Initials

T.A.T. Request	RUSH	Custody Seals	Temp Control	Local Job
Standard	Date required	Y N	C	Y N

Item	Relinquished by	Date	Time	Received by	Date	Time
	Frank Najafi	6/20/97	1740	Sharon Malone	6/20/97	1740

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C.O.C. # 003071

BAR CODE

C ody Record

LAB USE ONLY

V.O.C Log C 770646

Login L # _____

V.O.C. Analytical Laboratories

Company Name Tetra Tech, Inc.

Address 670 N. Rosemead Blvd.

City Pasadena State CA Zip 91107

Attn: Frank Nejati fax # 818-351-8126

Project Name / Number former ABC Facility 1495-01

Sampler Name / Signature Frank Nejati

LAB ANALYSIS

#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code*	No. Cont	Sample pH	Pres Codes	Parameters: Be 6010	Field Filtered (Y/N)	Integrity OK (Y/N)	Comments
1	2-618-Be-08	6/18/97		S	1		A	K			10
2	-09			S	1			X			
3	-10			S	1			X			
4	-11			S	1			X			
5	-12			S	1			X			
6	-13			S	1			K			
7	-14			S	1			K			
8	-15			S	1			K			
9	-16			S	1			X			
10	1-618-Be-01	6/18/97		S	1			X			

Matrix Codes *

S	Solid Waste	SW	Surface Water
GW	Ground Water	OL	Oil
EFF	Effluent	SL	Sludge
AFW	Analyte Free H2O	SO	Soil Sediment
WW	Waste Water	O	Other
DW	Drinking Water		

Pres Codes **

A- None	F- MeOH
B- HNO3	I- Ice
C- H2SO4	O- Other
D- NaOH	
E- HCl	

Short Hold Y N

Ice Y N

QA/QC Report Level: None ___ 1 ___ 2 ___ 3 ___ Other ___

COC OK Y N Initials

T.A.T. Request: Standard

RUSH: Date required

Custody Seals Y N

Temp Control C

Local Job Y N

Item	Relinquished by	Date	Time	Received by	Date	Time
	Frank Nejati	6/20/97	1740	Sharon Malone	6/20/97	1740

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BAR CODE

V.O.C. Analytical Laboratories

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LAB USE ONLY

V.O.C Log 37106446

Login L # _____

Company Name TetraTech, Inc.
Address 670 N. Rosemead Blvd.
City Pasadena State CA Zip 91107
Attn: Frank Nojati fax # 818-351-8126
Project Name / Number Former ABC Facility 1495-01
Sampler Name / Signature Frank Nojati

LAB ANALYSIS

Parameters: Be 6010

#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code*	# of Cont	Comp	pH	Pres Codes	Field Filtered (Y/N)	Integrity OK (Y/N)	Comments
1	1-618-Be-02	6/19/17		S	1			A			17
2	-03										
3	-04										
4	-05										
5	-06										
6	-07										
7	-08										
8	-09										
9	-10										
10	-11										

Matrix Codes *

S	Solid Waste	SW	Surface Water
GW	Ground Water	OL	Oil
EFF	Effluent	SL	Sludge
AFW	Analyte Free H2O	SO	Soil Sediment
WW	Waste Water	O	Other
DW	Drinking Water		

Short Hold Y N
Ice Y N

Pres Codes **

A- None F- MeOH
B- HNO3 I- Ice
C- H2SO4 O- Other
D- NaOH
E- HCl

QA/QC Report Level
None 1 2 3 Other

COC OK Y N Initials

T.A.T. Request	RUSH	Custody Seals	Temp Control	Local Job
Standard	Date required	Y N	C	Y N

Item	Relinquished by	Date	Time	Received by	Date	Time
	Frank Nojati	6/20/17	1740	Sharon Malone	6/20/17	1740

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C.O.C. # 003070

Chain of Custody Record

LAB USE ONLY

V.O.C Lot 5970646

BAR CODE

Login L # ______

V.O.C. Analytical Laboratories

Company Name Tetra Tech, Inc.
Address 670 N. Rosemead Blvd.
City Pasadena State CA Zip 91107
Attn: Frank Najafi fax # 818-351-8126
Project Name / Number Former ABC facility 1995-01
Sampler Name / Signature Frank Najafi [signature]

LAB ANALYSIS

Sample pH / Pres. Codes: A

Parameters: Be 6010

Field Filtered (Y/N) | Integrity OK (Y/N)

#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code*	# of Cont	Be 6010	Comments
1	1-68-Be-12	6/18/97		S	1	X	1
2	-13	↓		↓	↓	X	↓
3	-14					X	
4	-15					X	
5	-16					X	
6	-17					X	
7	-18					X	
8	-19					X	
9	-20					X	
0	-21	↓		↓	↓	X	↓

Matrix Codes *

S Solid Waste; SW Surface Water; GW Ground Water; OL Oil; EFF Effluent; SL Sludge; AFW Analyte Free H2O; SO Soil Sediment; WW Waste Water; O Other; DW Drinking Water

Short Hold Y N
Ice Y N

Pres Codes **

A- None; B- HNO3; C- H2SO4; D- NaOH; E- HCl; F- MeOH; I- Ice; O- Other

Item	Relinquished by	Date	Time	Received by	Date	Time
	Frank Najafi	6/20/97	1740	Sharon Malone	6/20/97	1740

QA/QC Report Level
None___ 1___ 2___ 3___ Other___

COC OK Y N | Initials

T.A.T. Request: Standard | RUSH: Date required | Custody Seals Y N | Temp Control C | Local Job Y N

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BAR CODE

V.O.C. Analytical Laboratories

Chain of Custody Record

LAB USE ONLY

V.O.C Log # 97060107

Login L # _____

Company Name TetraTech, Inc.

Address 670 N. Rosemead Blvd.

City Pasadena State CA Zip 91107

Attn: Frank Nejafi fax # 818-351-8126

Project Name / Number Former ABC facility 1495-01

Sampler Name / Signature Frank Nejafi

#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code*	# of Cont
1	1-618-BB-22	6/18/97		S	1
2	-23				
3	-24				
4	-25				
5	-26				
6	-27				
7	-28				
8	-29				
9	-30				
10	-31				

LAB ANALYSIS

Parameters	Sample pH	Pres Codes	Be 6010	Field Filtered (Y/N)	Integrity OK (Y/N)
		A	X		
			X		
			X		
			X		
			X		
			X		
			X		
			X		
			X		
			X		

Comments

1 X

Matrix Codes *

S Solid Waste	SW Surface Water		
GW Ground Water	OL Oil		
EFF Effluent	SL Sludge		
AFW Analyte Free H2O	SO Soil Sediment		
WW Waste Water	O Other		
DW Drinking Water			

Short Hold Y N

Ice Y N

Pres Codes **

A- None F- MeOH
B- HNO3 I- Ice
C- H2SO4 O- Other
D- NaOH
E- HCl

QA/QC Report Level

None 1 2 3 Other

COC OK Y N Initials

T.A.T. Request	RUSH	Custody Seals	Temp Control	Local Job
Standard	Date required	Y N	C	Y N

Item	Relinquished by	Date	Time	Received by	Date	Time
	Frank Nejafi	6/20/97	1740	Sharon Malone	6/20/97	1740

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BAR CODE

Chain of Custody Record

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V.O.C. Analytical Laboratories

Login L # _____

Company Name TetraTech, Inc.

Address 670 N. Rosemead Blvd.

City Pasadena State CA Zip 91107

Attn: Frank Najafi fax # 818-351-8126

Project Name / Number former ABC Facility 1495-01

Sampler Name / Signature Frank Najafi

LAB ANALYSIS

#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code*	# of Cont	Sample pH	Pres Codes	Parameters: Be 6010	Cr & Zn 6010	Field Filtered (Y/N)	Integrity OK (Y/N)	Comments
1	1-618-Be-32	6/18/97		S	1		A	X				1
2	-33							X				
3	-34							X				
4	5-618-Cr-01	6/18/97		S	1				X			
5	-02								X			
6	-03								X			
7	-04								X			
8	-05								X			
9	-06								X			
10	-07								X			

Matrix Codes *

S	Solid Waste	SW	Surface Water
GW	Ground Water	Ot	Oil
EFF	Effluent	SL	Sludge
AFW	Analyte Free H2O	SO	Soil Sediment
WW	Waste Water	O	Other
DW	Drinking Water		

Short Hold Y N

Ice Y N

Pres Codes **

A- None F- MeOH
B- HNO3 I- Ice
C- H2SO4 O- Other
D- NaOH
E- HCl

Item	Relinquished by	Date	Time	Received by	Date	Time
	Frank Najafi	6/20/97	1740	Sharon Malone	6/20/97	1740

QA/QC Report Level: None ___ 1 ___ 2 ___ 3 ___ Other ___

COC OK Y N Initials

T.A.T. Request	RUSH	Custody Seals	Temp Control	Local Job
Standard	Date required	Y N	C Y N	

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C.O.C. # 003045

Chain of Custody Record

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V.O.C Log 64/10646

BAR CODE

Login L # _____

V.O.C. Analytical Laboratories

Company Name Tetra Tech, Inc.

Address 670 N. Rosemead Blvd.

City Pasadena State CA Zip 91107

Attn: Frank Najafi Tel # 818-351-8126 Fax #

Project Name / Number Former ABC facility 1495-01

Sampler Name / Signature Frank Najafi

LAB ANALYSIS

#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code*	# of Cont	Parameters	Field Filtered (Y/N)	Integrity OK (Y/N)	Comments
1	S-68-C-08	6/18/97		S	1	Cr & Zn 6010 A			1 DA
2	-09					"			
3	-10					"			
4	-11					"			FN 6/20/97
5	-12					"			FN 6/20/97
6	-13					"			FN 6/20/97
7	-14					"			FN 6/20/97
8	S-68-ZAC-01	6/18/97		S	1	Zn & Cr 6010 A			
9	-02					"			
10	-03					"			

Matrix Codes *

S	Solid Waste	SW	Surface Water
GW	Ground Water	OL	Oil
EFF	Effluent	SL	Sludge
AFW	Analyte Free H2O	SO	Soil Sediment
WW	Waste Water	O	Other
DW	Drinking Water		

Pres Codes **

A- None E- MeOH
B- HNO3 F- Ice
C- H2SO4 G- Other
D- NaOH
T- HCl

Short Hold Y N

Ice Y N

QA/QC Report Level: None 1 2 3 Other

COC OK Y N Initials

T.A.T. Request	RUSH	Custody Seals	Temp Control	Local Job
Standard	Date required	Y N	C	Y N

Item	Relinquished by	Date	Time	Received by	Date	Time
	Frank Najafi	6/20/97	1740	Aharon Malone	6/20/97	1740

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C.O.C. # 003073

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Chain of Custody Record

LAB USE ONLY V.O.C Log 5910046

BAR CODE

V.O.C. Analytical Laboratories

Login L #

Company Name Tetra Tech, Inc.
Address 670 N. Rosemead Blvd.
City Pasadena State CA Zip 91107
Attn: Frank Najafi fax # 818-351-8126
Project Name / Number Former A.B.C Facility 1495-01
Sampler Name / Signature Frank Najafi

LAB ANALYSIS

#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code*	# of Cont	Parameters: Temp / pH / Preservation Codes	Zn & Cr 6010A	Field Filtered (Y/N)	Integrity OK (Y/N)	Comments
1	5-68-ZA-01	6/18/97		S	1		X			1 M
2	-02						X			
3	-03						X			
4	-04						X			
5	-05						X			
6	-06						X			
7	-07						X			
8	-08						X			
9	-09						X			
0	-10						X			

Matrix Codes *

S Solid Waste	SW Surface Water	Short Hold Y N	
GW Ground Water	OL Oil		
EFF Effluent	SL Sludge		
AFW Analyte Free H2O	SD Soil Sediment	Ice Y N	
WW Waste Water	O Other		
DW Drinking Water			

Pres Codes **

A- None F- MeOH
B- HNO3 I- Ice
C- H2SO4 O- Other
D- NaOH
E- HCl

QA/QC Report Level: None 1 2 3 Other
COC OK Y N Initials

T.A.T. Request: Standard
RUSH: Date required
Custody Seals Y N
Temp Control C
Local Job Y N

Item	Relinquished by	Date	Time	Received by	Date	Time
	Frank Najafi	6/18/97	1740	Sharon Malone	6/18/97	1740

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C.O.C. # 003072

Chain of Custody Record

LAB USE ONLY

V.O.C Log 970641

BAR CODE

V.O.C. Analytical Laboratories

Login L #

Company Name Tetra Tech, Inc.

Address 670 N. Rosemead Blvd.

City Pasadena State CA Zip 91107

Attn: Frank Najafi fax # 818-351-8126

Project Name / Number Former ABC facility 1495-01

Sampler Name / Signature Frank Najafi

LAB ANALYSIS

#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code	# of Cont	Sample pH	Pres Codes	Parameters: Zn 6010	Parameters: Be 6010	Field Filtered (Y/N)	Integrity OK (Y/N)	Comments
1	5-68-Zn-11	6/18/97		S	1		A	X				TAT
2	-12							X				
3	5-68-Be-01	6/18/97		S	1		A		X			
4	-02								X			
5	-03								X			
6	-04								X			
7	-05								X			
8	-06								X			
9	-07								X			
0	-08								X			

EN 6/20/97

EN 6/20/97

Matrix Codes *

S	Solid Waste	SW	Surface Water
GW	Ground Water	OL	Oil
EFF	Effluent	SL	Sludge
AFW	Analyte Free H2O	SO	Soil Sediment
WW	Waste Water	O	Other
DW	Drinking Water		

Short Hold Y N

Ice Y N

Pres Codes **

A- None F- MeOH
B- HNO3 I- Ice
C- H2SO4 O- Other
D- NaOH
E- HCl

Item	Relinquished by	Date	Time	Received by	Date	Time
	Frank Najafi	6/20/97	1740	Sharon Malone	6/20/97	1740

QA/QC Report Level: None 1 2 3 Other

COC OK Y N Initials

T.A.T. Request: Standard

RUSH Date required

Custody Seals Y N

Temp Control C

Local Job Y N

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C.O.C. # 003040

Chain of Custody Record

LAB USE ONLY

V.O.C Log # 07/0660

BAR CODE

V.O.C. Analytical Laboratories

Login L # _____

Company Name: TetraTech, Inc.

Address: 670 N. Rosemead Blvd.

City: Pasadena State: CA Zip: 91107

Attn: Frank Najafi Fax # 818 351-8126

Project Name / Number: Former ABC Facility 1495-01

Sampler Name / Signature: Frank Najafi

LAB ANALYSIS

#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code*	# of Cont	Parameters: Samp*	pH	Pres Code**	A	E	Field Filtered (Y/N)	Integrity OK (Y/N)	Comments
									Be 6010	VOC 8260			
1	S-618-Be-09	6/18/97		S	1				X				1 X
2	S-618-Be-10	6/18/97		S	1				X				1 X
3	S-617-VOC-1	6/17/97		WW	1					X			
4	-2									X			
5	-3									X			
6	-4									X			
7	-5									X			
8	-6									X			
9	S-618-VOC-7			WW	1					X			
10	S-618-VOC-8			WW	1					X			

Matrix Codes *

S	Solid Waste	SW	Surface Water
GW	Ground Water	OL	Oil
EFF	Effluent	SL	Sludge
AFW	Analyte Free H2O	SO	Soil Sediment
WW	Waste Water	O	Other
DW	Drinking Water		

Short Hold: Y N

Ice: Y N

Pres Codes **

A. None E. NaOH
B. HNO3 F. Ice
C. H2SO4 G. Other
D. NaOH
E. HCl

Item	Relinquished by	Date	Time	Received by	Date	Time
	Frank Najafi	6/20/97	1730	Sharon Malone	6/20/97	1740

QA/QC Report Level: None 1 2 3 Other

COC OK: Y N Initials

T.A.T. Request: Standard

RUSH: Date required

Custody Seals: Y N

Temp Control: °C

Local Job: Y N

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C.O.C. # 003074

Chain of Custody Record

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BAR CODE

V.O.C. Analytical Laboratories

Login L # _____

Company Name: TetraTech, Inc.
Address: 670 N. Rosemead Blvd.
City: Pasadena State: CA Zip: 91107
Attn: Frank Najafi fax # 818 351-8126
Project Name / Number: Former ABC facility 1495-01
Sampler Name / Signature: Frank Najafi

LAB ANALYSIS

#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code*	# of Cont	Parameters: PCB 8080	VOC 8260	Be 6010	Field Filtered (Y/N)	Integrity OK (Y/N)	Comments
1	S-617-PCB-1	6/17/97		WW	1	X					
2	S-617-PCB-2			WW	1	X					
3	S-617-PCB-3			WW	1	X					
4	S-618-VOC-9	6/18/97		WW	1		X				
5	-10			WW	1		X				
6	-11			WW	1		X				
7	-12			WW	1		X				
8	-13			WW	1		X				
9	B-618-Be-01	6/18/97		S	1			X			1 lb
10	B-618-Be-02	6/18/97		S	1			X			1 lb

Matrix Codes *
S Solid Waste; SW Surface Water; GW Ground Water; OL Oil; EFF Effluent; SL Sludge; AFW Analyte Free H2O; SO Soil Sediment; WW Waste Water; O Other; DW Drinking Water

Pres Codes **
A None; E MeOH; B HNO3; F Ice; C H2SO4; O Other; D NaOH; G HCl

Short Hold Y N
Ice Y N

Item	Relinquished by	Date	Time	Received by	Date	Time
	Frank Najafi	6/20/97	1140	Sharon Malone	6/20/97	1740

QA/QC Report Level: None 1 2 3 Other
COC OK Y N Initials

T.A.T. Request	RUSH	Custody Seals	Temp Control	Local Job
Standard	Date required	Y N	C	Y N

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C.O.C. # 003075

Chain of Custody Record

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BAR CODE

V.O.C. Analytical Laboratories

Login L # _____

Company Name TetraTech, Inc.

Address 670 N. Rosemead Blvd

City Pasadena State CA Zip 91107

Attn: Frank Najafi fax # 351-8126 818

Project Name / Number Former ABC facility 1495-01

Sampler Name / Signature Frank Najafi

#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code*	# of Cont
1	3-618-Be-03	6/18/97		S	1
2	-04				
3	-05				
4	-06				
5	-07				
6	-08				
7	-09				
8	-10				
9	3-618-Be-11	6/18/97		S	1
10	3-618-Be-12	6/18/97		S	1

LAB ANALYSIS

Parameters	Sample pH	Pres Codes	Be 6010	Field Filtered (Y/N)	Integrity OK (Y/N)	Comments
		A	X			10
			X			
			X			
			X			
			X			
			X			
			X			
			X			
			X			
			X			

Matrix Codes *

S	Solid Waste	SW	Surface Water
GW	Ground Water	OL	Oil
EFF	Effluent	SL	Sludge
AFW	Analyte Free H2O	SO	Soil Sediment
WW	Waste Water	O	Other
DW	Drinking Water		

Short Hold Y N

Ice Y N

Pres Codes **

A- None F- MeOH
B- HNO3 I- Ice
C- H2SO4 O- Other
D- NaOH
E- HCl

Item	Relinquished by	Date	Time	Received by	Date	Time
	Frank Najafi	6/20/97	1740	Sharon Malone	6/20/97	1740

QA/QC Report Level

None ____ 1 ____ 2 ____ 3 ____ Other ____

COC OK Y N Initials

T.A.T. Request	RUSH	Custody Seals	Temp Control	Local Job
Standard	Date required	Y N	C	Y N

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C.O.C. # 003076

Chain of Custody Record

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BAR CODE

V.O.C. Analytical Laboratories

Login L # _____

Company Name TetraTech, Inc.

Address 670 N. Rosemead Blvd

City Pasadena State CA Zip 91107

Attn: Frank Najafi fax # 818 351-8126

Project Name / Number Former ABC facility 1495-01

Sampler Name / Signature Frank Najafi

LAB ANALYSIS

#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code*	# of Cont	Sample pH	Pres Codes	Parameters: BE 6010	Parameters: CFC 8260	Field Filtered (Y/N)	Integrity OK (Y/N)	Comments
1	3-618-BE-13	6/18/97		S	1		A	X	A			10
2	-14							X	X			
3	-15							X	X			
4	-16							X	X			
5	-17							X	X			
6	-18							X	X			
7	2-617-CFC-1	6/17/97		WW	1				X			
8	1-617-CFC-1			WW	1				X			
9	5-617-CFC-1			WW	1				X			
0	1-617-CFC-2			WW	1				X			

Matrix Codes *

S	Solid Waste	SW	Surface Water
GW	Ground Water	OL	Oil
EFF	Effluent	SL	Sludge
AFW	Analyte Free H2O	SO	Soil Sediment
WW	Waste Water	O	Other
DW	Drinking Water		

Short Hold Y N

Ice Y N

Pres Codes **

A- None F- MeOH
B- HNO3 I- Ice
C- H2SO4 O- Other
D- NaOH
E- HCl

Item	Relinquished by	Date	Time	Received by	Date	Time
	Frank Najafi	6/20/97	1740	Sharon Malone	6/20/97	1740

QA/QC Report Level: None ___ 1 ___ 2 ___ 3 ___ Other ___

COC OK Y N

Initials

T.A.T. Request: Standard

RUSH: Date required

Custody Seals Y N

Temp Control C

Local Job Y N

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BAR CODE

Chain of Custody Record

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V.O.C. Analytical Laboratories

Login L #

Company Name TetraTech, Inc.

Address 670 N. Rosemead Blvd.

City Pasadena State CA Zip 91107

Attn: Frank Najafi fax # 818-351-8126

Project Name / Number Former ABC facility 1495-01

Sampler Name / Signature Frank Najafi

LAB ANALYSIS

#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code*	# of Cont	Sample pH	Preservation Codes	Parameters: CFC 8260	Parameters: TRPH 418.1	Field Filtered (Y/N)	Integrity OK (Y/N)	Comments
1	3-617-CFC-1	6/17/97		WW	1		A	X				
2	5-617-CFC-2	6/17/97		WW	1		A	X				
3	5-617-TRPH-1	6/17/97		WW	1		C		X			
4	-2			WW	1		C		X			
5	-3			WW	1		C		X			
6	-4			WW	1		C		X			
7	-5			WW	1		C		X			
8	-6			WW	1		C		X			
9	-7			WW	1		C		X			
10	-8			WW	1		C		X			

Matrix Codes *

S Solid Waste; GW Ground Water; EFF Effluent; AFW Analyte Free H2O; WW Waste Water; DW Drinking Water; SW Surface Water; OL Oil; SL Sludge; SO Soil Sediment; O Other

Pres Codes **

A- None; B- HNO3; C- H2SO4; D- NaOH; E- HCl; F- MeOH; I- Ice; O- Other

Short Hold Y N

Ice Y N

QA/QC Report Level: None 1 2 3 Other

COC OK Y N Initials

T.A.T. Request	RUSH	Custody Seals	Temp Control	Local Job
Standard	Date required	Y N	C	Y N

Item	Relinquished by	Date	Time	Received by	Date	Time
	Frank Najafi	6/20/97	1740	Aaron Malone	6/20/97	1740

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V.O.C. Analytical Laboratories

Login L # _____

Company Name Tetra Tech, Inc.

Address 670 N. Rosemead Blvd.

City Pasadena State CA Zip 91107

Attn: Frank Najafi fax # 818-351-8126

Project Name / Number Former ABC facility 1495-01

Sampler Name / Signature Frank Najafi

LAB ANALYSIS

#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code*	#of Cont	Sample pH	Pres Codes	Parameters	Field Filtered (Y/N)	Integrity OK (Y/N)	Comments
1	S-618-TRPH-9	6/18/97		WW	1		C	X TRPH 418.1			
2	S-618-TRPH-10	6/18/97		WW	1		C	X			
3											
4											
5											
6											
7											
8											
9											
10											

Matrix Codes *

S	Solid Waste	SW	Surface Water
GW	Ground Water	OL	Oil
EFF	Effluent	SL	Sludge
AFW	Analyte Free H2O	SO	Soil Sediment
WW	Waste Water	O	Other
DW	Drinking Water		

Short Hold Y N

Ice Y N

Pres Codes **

A- None F- MeOH
B- HNO3 G- Ice
C- H2SO4 O- Other
D- NaOH
E- HCl

Item	Relinquished by	Date	Time	Received by	Date	Time
	Frank Najafi	6/20/97	1740	Sharon Malone	6/20/97	1740

QA/QC Report Level: None 1 2 3 Other

COC OK Y N Initials

T.A.T. Request: Standard RUSH Date required

Custody Seals Y N

Temp Control C

Local Job Y N

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C.O.C. # 003079

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BAR CODE

V.O.C. Analytical Laboratories

Login L #

Company Name Tetra Tech, Inc.
Address 670 N. Rosemead Blvd.
City Pasadena State CA Zip 91107
Attn: Frank Nejati fax # 351-8126
Project Name / Number Former ABC facility/1495-01
Sampler Name / Signature Frank Nejati

#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code*	#of Cont
1	5-bis-P-01	6/5/97		S	1
2	-02				
3	-03				
4	-04				
5	-05				
6	-06				
7	-07				
8	-08				
9					
10					

LAB ANALYSIS

Parameters	Samp pH	Pres Codes														Field Filtered (Y/N)	Integrity OK (Y/N)	Comments
Pb 6010		A																Paint Chip
		α	α	α	α	α	α	α	α	α								

Matrix Codes *
S Solid Waste; SW Surface Water; GW Ground Water; OL Oil; EFF Effluent; SL Sludge; AFW Analyte Free H2O; SD Soil Sediment; WW Waste Water; O Other; DW Drinking Water

Pres Codes **
A- None; F- MeOH; B- HNO3; I- Ice; C- H2SO4; O- Other; D- NaOH; E- HCl

Short Hold Y N
Ice Y N

QA/QC Report Level
None 1 2 3 Other

COC OK Y N
Initials

T.A.T. Request: Standard
RUSH: Date required
Custody Seals Y N
Temp Control C
Local Job Y N

Item	Relinquished by	Date	Time	Received by	Date	Time
	Frank Nejati	6/20/97	1740	David J K	6/21/97	1030

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C.O.C. # 003033

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V.O.C Log 97106461

BAR CODE

V.O.C. Analytical Laboratories

Login L # _____

Company Name Tetra Tech, Inc.

Address 670 N. Rosemead Blvd.

City Pasadena State CA Zip 91107

Attn: Frank Najafi fax # 818 351-8126

Project Name / Number Former ABC facility 1495-01

Sampler Name / Signature Frank Najafi

LAB ANALYSIS

#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code*	# of Cont	Sample pH	Pres Codes	Parameters: Pb 6010	Field Filtered (Y/N)	Integrity OK (Y/N)	Comments
1	2-615-P-01	6/15/97		S	1		A	X			Paint chip
2	-02							X			
3	-03							X			
4	-04							X			
5	-05							X			
6	-06							X			
7	-07							X			
8	-08							X			
9	-09							X			
10	-10							X			

Matrix Codes *

S	Solid Waste	SW	Surface Water
GW	Ground Water	OL	Oil
EFF	Effluent	SL	Sludge
AFW	Analyte Free H2O	SO	Soil Sediment
WW	Waste Water	O	Other
DW	Drinking Water		

Pres Codes **

A- None	F- MeOH		
B- HNO3	I- Ice		
C- H2SO4	O- Other		
D- NaOH			
E- HCl			

Short Hold Y N

Ice Y N

QA/QC Report Level: None 1 2 3 Other

COC OK Y N Initials

T.A.T. Request: Standard

RUSH: Date required

Custody Seals Y N

Temp Control C

Local Job Y N

Item	Relinquished by	Date	Time	Received by	Date	Time
	Frank Najafi	6/20/97	1740	David [illegible]	6/21/97	1030

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C.O.C. # 003034

BAR CODE

Chain of Custody Record

LAB USE ONLY

V.O.C Log 9706046

V.O.C. Analytical Laboratories

Login L # _____

Company Name Tetra Tech, Inc.
Address 670 N. Rosemead Blvd.
City Pasadena State CA Zip 91107
Attn: Frank Najafi fax # 818 351-8126
Project Name / Number Former ABC facility 1495-01
Sampler Name / Signature Frank Najafi 1495

LAB ANALYSIS

#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code	# of Cont	Temp	pH	Pres Codes	Parameters: Pb 6010	Field Filtered (Y/N)	Integrity OK (Y/N)	Comments
1	Z-615-P-11	6/15/97		S	1			A	X			Paint chip
2	Z-615-12	↓		↓	↓				X			Paint chip
3												
4												
5												
6												
7												
8												
9												
10												

Matrix Codes *

S	Solid Waste	SW	Surface Water
GW	Ground Water	Of	Oil
Eff	Effluent	St.	Sludge
AFW	Analyte Free H2O	SO	Soil Sediment
WW	Waste Water	O	Other
DW	Drinking Water		

Pres Codes **

A- None	E- MeOH
B- HNO3	F- Ice
C- H2SO4	G- Other
D- HCl	

Short Hold Y N
Ice Y N

Item	Relinquished by	Date	Time	Received by	Date	Time
	Frank Najafi	6/20/97	1740	[signature]	6/21/97	1030

QA/QC Report Level: None ___ 1 ___ 2 ___ 3 ___ Other ___
COC OK Y N Initials

T.A.T. Request	RUSH	Custody Seals	Temp Control	Local Job
Standard	Date required	Y N	C	Y N

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C.O.C. # 003035

Chain of Custody Record

LAB USE ONLY V.O.C Lo 5970646

BAR CODE

V.O.C. Analytical Laboratories

Login L #

Company Name TETRA TECH, INC.
Address 670 N. ROSEMEAD BLVD.
City PASADENA State CA Zip 91107
Attn: FRANK NAJAFI fax # 818-351-8126
Project Name / Number Former A.B.C. facility 1495-01
Sampler Name / Signature GARY SHARPS / Gary Sharps

LAB ANALYSIS

#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code*	#of Cont	Solids	pH	Preservation Codes	Parameters: Pb 6010	Field Filtered (Y/N)	Integrity OK (Y/N)	Comments
1	1-617-P1	6/17/97	A.M.	S 6010	1			A	Pb			Paint chip
2	1-617-P2	6						A	Pb			
3	1-617-P3							A	Pb			
4	1-617-P4							A	Pb			
5	1-617-P5							A	Pb			
6	1-617-P6							A	Pb			
7	1-617-P7							A	Pb			
8	1-617-P8							A	Pb			
9	1-617-P9							A	Pb			
10	1-617-P10							A	Pb			

Matrix Codes *
S Solid Waste; GW Ground Water; EFF Effluent; AHW Analyte Free H2O; WW Waste Water; DW Drinking Water; SW Surface Water; OL Oil; SL Sludge; SO Soil Sediment; O Other

Pres Codes **
A- None; B- H2SO4; C- H2SO4; D- NaOH; E- HCl; F MeOH; I Ice; O- Other

Short Hold Y N
Ice Y N

QA/QC Report Level: None 1 2 3 Other
COC OK Y N Initials
T.A.T. Request: Standard
RUSH: Date required
Custody Seals Y N
Temp Control
Local Job Y N

Item	Relinquished by	Date	Time	Received by	Date	Time
	Gary Sharps	6/18/97	P.M.	Frank Najafi	6/18/97	1700
	Frank Najafi	6/20/97	1740	David [illegible]	6/21/97	1030

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C.O.C. # 003047

Chain of Custody Record

LAB USE ONLY

V.O.C Log 970646

BAR CODE

V.O.C. Analytical Laboratories

Login L # _____

Company Name TETRA TECH, INC.

Address 670 N. ROSEMEAD BLVD.

City PASADENA State CA Zip 91107

Attn: FRANK NAJAFI fax # 818-351-8120

Project Name / Number FORMER ABC FACILITY

Sampler Name / Signature G. SHARPE / G. Sharpe

#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code*	# of Cont
1	1-617-P11	6-17-97	A.M.	6010	1
2	1-617-P12				
3	1-617-P13				
4	1-617-P14				
5	1-617-P15				
6	3-617-P16				
7	3-617-P17				
8	3-617 P18				
9	3-617-P19				
0	3-617-P20				

LAB ANALYSIS

Parameters	Sample pH	Preservation Codes	
Pb 6010		A	

Field Filtered (Y/N)

Integrity OK (Y/N)

Comments

Paint chip

Matrix Codes *

S	Solid Waste	SW	Surface Water
GW	Ground Water	OL	Oil
EFF	Effluent	SL	Sludge
AFW	Analyte Free H2O	SO	Soil Sediment
WW	Waste Water	O	Other
DW	Drinking Water		

Short Hold Y N

Ice Y N

Pres Codes **

A- None F- MeOH
B- HNO3 I- Ice
C- H2SO4 O- Other
D- NaOH
E- HCl

Item	Relinquished by	Date	Time	Received by	Date	Time
	Gary Sharpe	6/18/97	P.M.	Frank Najafi	6/18/97	1700
	Frank Najafi	6/20/97	1740	David [illegible]	6/21/97	1030

QA/QC Report Level: None 1 2 3 Other

COC OK Y N Initials

T.A.T. Request: Standard

RUSH: Date required

Custody Seals Y N

Temp Control

Local Job Y N

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C.O.C. # 003048

BAR CODE

C ‘ody Record

LAB USE ONLY

V.O.C'Log 970646

V.O.C. Analytical Laboratories

Login L # _____

Company Name TETRA TECH, INC.

Address 670 N. ROSEMEAD BLVD.

City PASADENA State CA Zip 91107

Attn: FRANK NAJAFI fax # 818-357-8120

Project Name / Number FORMER ABC FACILITY

Sampler Name / Signature G. SHARPE /G. Sharpe

LAB ANALYSIS

#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code*	# of Cont	Samp #	pH	Pres Codes	Parameters: Pb 6010	Field Filtered (Y/N)	Integrity OK (Y/N)	Comments
1	1-617-P11	6-17-97	A.M.	6010	1			A	1			Paint chip
2	1-617-P12								2			
3	1-617-P13								3			
4	1-617-P14								4			
5	1-617-P15								5			
6	3-617-P16								6			
7	3-617-P17								7			
8	3-617 P18								8			
9	3-617-P19								9			
10	3-617-P20								10			

Matrix Codes *

S	Solid Waste	SW	Surface Water
GW	Ground Water	OL	Oil
EFF	Effluent	SL	Sludge
AFW	Analyte Free H_2O	SO	Soil Sediment
WW	Waste Water	O	Other
DW	Drinking Water		(Please Specify)

Short Hold Y N

Ice Y N

Pres Codes **

A- None F- MeOH
B- HNO_3 I- Ice
C- H_2SO_4 O- Other
D- NaOH
E- HCl

QA/QC Report Level

None ____ 1 ____ 2 ____ 3 ____ Other ____

COC OK Y N Initials

T.A.T. Request	RUSH	Custody Seals	Temp Control	Local Job
Standard	Date required	Y N	C	Y N

Item	Relinquished by	Date	Time	Received by	Date	Time
	Gary Sharpe	6/18/97	P.M.	Frank Najafi	6/18/97	1700
	Frank Najafi	6/20/97	1740	Paul [illegible]	6/21/97	1030

V.O.C. Analytical Laboratories
3231 N.W. 7th Avenue • Boca Raton, FL 33431
1-(888) VOC-LABS • Fax 1-888-456-4846

C.O.C. # 003048

Chain of Custody Record

LAB USE ONLY

V.O.C Log # 971060101

BAR CODE

V.O.C. Analytical Laboratories

Login L # _____

Company Name TETRA TECH, INC.

Address 670 N. ROSEMEAD BLVD.

City PASADENA State CA. Zip 91107

Attn: FRANK NAJAFI fax # 818-351-8126

Project Name / Number FORMER A.B.C. FACILITY

Sampler Name / Signature G. SHARPE / Gary Sharpe

#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code *	# of Cont	Parameters: Sample pH / Pres Codes A / Pb 6010	Field Filtered (Y/N)	Integrity OK (Y/N)	Comments
1	3-617 - P21	6/17/97	P.M.	S 6010	1	Pb X			Paint chip
2	P-617 - P22	6/17/97	P.M.	6010		Pb X			
3	3-617 - P23	6/17/97	P.M.	6010		Pb X			
4	3-617 - P24	6/17/97	P.M.	6010		Pb X			
5	4-618 - P25	6/18/97	A.M.	6010		Pb X			
6	4-618 - P26	6/18/97	A.M.	6010		Pb X			
7	4-618 - P27	6/18/97	A.M.	6010		Pb X			
8	5-618 - P28	6/18/97	A.M.	6010	↓	Pb X			↓
9									
10									

Matrix Codes *

S	Solid Waste	SW	Surface Water
GW	Ground Water	OL	Oil
EFF	Effluent	SL	Sludge
AFW	Analyte Free H_2O	SO	Soil Sediment
WW	Waste Water	O	Other
DW	Drinking Water		

Short Hold Y N

Ice Y N

Pres Codes **

A- None F- MeOH
B- HNO_3 I- Ice
C- H_2SO_4 O- Other
D- NaOH
E- HCl

Item	Relinquished by	Date	Time	Received by	Date	Time
	Gary Sharpe	6/18/97	P.M.	Frank Najafi	6/18/97	1700
	Frank Najafi	6/20/97	1740		6/21/97	1030

QA/QC Report Level: None ___ 1 ___ 2 ___ 3 ___ Other ___

COC OK Y N Initials

T.A.T. Request	RUSH	Custody Seals	Temp Control	Local Job
Standard	Date required	Y N	C	Y N

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C.O.C. # 003068

Acronyms and Flag Definitions

Flag Definitions

J = Estimated value. Used for sample results greater than or equal to MDL, but less than the EQL.

B = Blank contamination. Used when associated Method Blank concentration is greater than the EQL.

E = Estimated value. Used for compounds whose concentrations exceed the calibration range of the instrument for the specific analysis.

D = The reported value is based on the analysis at a secondary dilution factor.

Q = Quality objectives were not met. Used for Method Blank, Laboratory Control Samples, Matrix Spikes, Matrix Duplicates and Surrogates.

* = Replicate values. Used when replicate results are entered into the MS/MSD column of the QC report.

NC = Not Calculated. Used when sample result is greater than two times the spike amount added, or when extracted surrogates were diluted at least 1:10.

Acronyms

MB	=	Method Blank
LCS	=	Laboratory Control Standard
LCSD	=	Laboratory Control Standard Duplicate
LC Result	=	Laboratory result of an LCS analysis.
LT Result	=	Expected result, or true value, of the LCS analysis.
MS	=	Matrix Spike
MSD	=	Matrix Spike Duplicate
% REC	=	Percent Recovery
FLG	=	Flag
LCL	=	Lower Control Limit
UCL	=	Upper Control Limit
RPD	=	Relative Percent Difference