

6/16/80

SAMPLING RESULTS
80 LISTER AVENUE
NEWARK, NEW JERSEY

ELSR-6
9/20/83



RARITAN PLAZA III
KING GEORGE ROAD
EDISON, NEW JERSEY 08837
(201) 225-6160

C-584-06-86-77

June 16, 1986

Mr. Jonathan Josephs
U.S. Environmental Protection Agency
26 Federal Plaza
New York, New York 10278

Dear Mr. Josephs:

Enclosed is a copy of the 80 Lister Avenue, Sampling Results. This is a controlled document which has been assigned to you. In the event the document is revised you will receive the revision. I hope the document proves as helpful to you as it has been to me.

Very truly yours,

A handwritten signature in cursive script that reads "William G. Russell".

William G. Russell

Reviewed and Approved:

A handwritten signature in cursive script above a horizontal line, indicating approval.

WGR/jm

Enclosure

REGION II FIT
80 LISTER AVENUE SAMPLING RESULTS BOOK

CUSTODY ASSIGNMENT

The Quality Assurance Representative has authorized the assignment of the noted copy of this manual to the custody of the person listed below.

Copy Number: 02-8305-19-SR-3
Name: Jonathan Josephs
Organization: U.S. EPA
Date of Assignment: 6/16/86

Controlled Copy
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PREFACE

This book is divided into 46 sections. Each section covers a different sampling task done at 80 Lister Avenue.

Each section of the book is divided into 3 parts:

1. Map showing sample locations. When locations are not applicable, no map is provided. For example, HAYES PARK EAST PESTICIDE DRUMS.
2. Table showing: SAMPLES WITH CONCENTRATIONS 1 PPB OR GREATER. A description of the sampling task and the date samples were collected is included in the task heading.
3. Table showing: ALL SAMPLES, INCLUDING QA/QC.

**80 LISTER AVENUE
SAMPLING RESULTS**

INDEX

| <u>SAMPLING TASK</u> | <u>SECTION</u> | <u>REV. DATE</u> | <u>DATE SAMPLING INITIATED</u> |
|--|-----------------------|-------------------------|---------------------------------------|
| Summary of Sampling Data | 1 | 10/01/85 | Not applicable |
| On Site 02-8305-19 | 2 | 10/01/85 | 5/27/83 |
| Habitability 02-8305-19 B | 3 | 10/01/85 | 6/03/85 |
| Joseph Street and SCA Chemical Services 02-8305-19 C | 4 | 10/01/85 | 6/07/83 |
| Thomasset Colors Inc. 02-8305-19 E | 5 | 10/01/85 | 6/08/83 |
| Public Contact Areas Phase I 02-8305-19 G | 6 | 10/01/85 | 6/14/83 |
| Native Soil Phase I 02-8305-19 K | 7 | 10/01/85 | 6/18/83 |
| Transportation Routes Phase I 02-8305-19 L | 8 | 10/01/85 | 6/22/83 |
| Passaic River Sediment 02-8305-19 M | 9 | 10/01/85 | 6/28/83 |
| Passaic River Crab & Fish 02-8305-19 N | 10 | 10/01/85 | 7/14/83 |
| Selected Grid Phase I 02-8305-19 O | 11 | 10/01/85 | 7/11/83 |
| Hayes Park East TAT Vacuum Bags 02-8305-19 P | 12 | 10/01/85 | 7/18/83 |
| Transportation Routes Phase II 02-8305-19 R | 13 | 10/01/85 | 8/11/83 |
| Public Contact Areas Phase II 02-8305-19 S | 14 | 10/01/85 | 7/26/83 |
| Lockwood Street and TAT Vacuuming Refuse 02-8305-19 V | 15 | 10/01/85 | 8/10/83 |

80 LISTER AVENUE
SAMPLING RESULTS

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| <u>SAMPLING TASK</u> | <u>SECTION</u> | <u>REV. DATE</u> | <u>DATE SAMPLING INITIATED</u> |
|---|----------------|------------------|--------------------------------|
| 17 Foundry Street 02-8305-19 X | 16 | 10/01/85 | 8/16/85 |
| Hayes Park East Before TAT Clean-up 02-8305-19 Y | 17 | 10/01/85 | 7/13/83 |
| Hayes Park East After TAT Clean-up 02-8305-19 BB | 18 | 10/01/85 | 8/17/83 |
| Newark Parks Dept. Pesticide 02-8305-19 CC | 19 | 10/01/85 | 7/12/83 |
| Newark Parks Dept. Pesticide Drums Rinsate 02-8305-19 DD | 20 | 10/01/85 | 7/14/83 |
| Transportation Routes Post Remedial Action 02-8305-19 EE | 21 | 10/01/85 | 9/01/83 |
| Transportation Routes Phase III 02-8305-19 FF | 22 | 10/01/85 | 9/15/83 |
| Industrial Areas 02-8305-19 GG | 23 | 10/01/85 | 9/16/83 |
| Selected Grid Phase II 02-8305-19 HH | 24 | 10/01/85 | 9/20/83 |
| Native Soil Phase II 02-8305-19 II | 25 | 10/01/85 | 9/12/83 |
| SCIEX 02-8305-19 JJ | 26 | 10/01/85 | |
| Parkway Soil 02-8305-19 LL | 27 | 10/01/85 | 10/18/83 |
| Brady Iron & Metals 02-8305-19 MM | 28 | 10/01/85 | 10/10/83 |
| Ferry Street 02-8305-19 NN | 29 | 10/01/85 | 10/20/83 |
| Duplicate Samples from Transportation Route Phase II/Selected Grid Phase II 02-8305-19 PP | 30 | 10/01/85 | 10/07/83 |

80 LISTER AVENUE
SAMPLING RESULTS

INDEX (cont'd)

| <u>SAMPLING TASK</u> | <u>SECTION</u> | <u>REV. DATE</u> | <u>DATE SAMPLING INITIATED</u> |
|---|----------------|------------------|--------------------------------|
| QA Reference Material A Duplicate Samples 02-8305-19 QQ | 31 | 10/01/85 | 10/10/83 |
| Brady Iron & Metals Perimeter 02-8310-04 | 32 | 10/01/85 | 10/26/83 |
| Hildemann Property 02-8310-06 | 33 | 10/01/85 | 10/26/83 |
| New Jersey Transit 02-8305-19 TT | 34 | 10/01/85 | 10/27/83 |
| Brady Iron & Metals Remedial Grid & Wipe 02-8305-19 UU | 35 | 10/01/85 | 11/08/83 |
| QA Reference Material Dup. Samples Phase II 02-8305-19 UU | 36 | 10/01/85 | 11/29/83 |
| Priority Pollutants 02-8305-19 VV | 37 | 10/01/85 | |
| QA Reference Material Dup. Samples Phase III 02-8305-19 BD | 38 | 10/01/85 | 2/23/84 |
| 80 Lister Avenue Trailer Sampling 02-8305-19 BG | 39 | 10/01/85 | 4/19/84 |
| Transient Character Sweep Samples 02-8305-19 BH | 40 | 10/01/85 | 4/26/84 |
| Archive Sample Resubmittal 02-8305-19 BR | 41 | 10/01/85 | 9/24/84 |
| Residential Zone I Sampling 02-8305-19 BN | 42 | 10/01/85 | 4/17/85 |
| Waste Drum Sampling and Delivery 02-8305-19 BN | 43 | 10/01/85 | 6/13/85 |
| Zone I Subsurface Sample Analysis 02-8305-19 BS | 44 | 10/01/85 | 4/17/85 |
| Residential Zone I North 02-8305-19 BU | 45 | 10/01/85 | 9/16/85 |

SECTION 1 INDEX
SUMMARY OF SAMPLING RESULTS

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80 LISTER AVENUE
SUMMARY OF SAMPLING DATA

| SECTION | SAMPLING PHASE | SAMPLING DATES | NUMBER OF SAMPLES | UNREPORTED DATA | QA/QC | RERUNS | CDC |
|---------|-------------------------------------|----------------|-------------------|--|--------------|---------------|-----|
| 2 | On-site | 5/27/83 | 10 | 0 | 0 | 0 | 0 |
| 3 | Habitability | 6/03/83 | 31 | 0 | 13 | 7 | 0 |
| 4 | Joseph St & SCA Chemical Services | 6/07/83 | 4 | 0 | 0 | 0 | 0 |
| 5 | Thomasset Colors, Inc. | 6/08/83 | 2 | 0 | 0 | 0 | 0 |
| 6 | Public Contact Areas Phase I | 6/14-6/17/83 | 98 | 4 | 4 | 24 | 0 |
| 7 | Native Soil Phase I | 6/18/83 | 6 | 0 | 0 | 0 | 0 |
| 8 | Transportation Routes Phase I | 6/22-7/1/83 | 235 | 3 (ETC) 3 (Batelle) 2 (Envirodyne) | 3 3 11 | 79 18 0 | 0 |
| 9 | Passaic River Sediment | 6/28-29/83 | 43 | 0 | 0 | 18 | 0 |
| 10 | Passaic River Crab & Fish | 7/14-15/83 | 21 | 0 | 0 | 0 | 0 |
| 11 | Selected Grid Phase I | 7/11-8/9/83 | 193 | 0 | 6 | 0 | 0 |
| 12 | Hayes Park East TAT Vacuum Bags | 7/18/83 | 8 | 0 | 0 | 4 | 0 |
| 13 | Transportation Routes Phase II | 8/11-17/83 | 53 | 0 | 0 | 31 | 0 |
| 14 | Public Contact Areas Phase II | 7/26/83 | 23 | 0 | 0 | 10 | 0 |
| 15 | Lockwood St. TAT Vacuuming Refuse | 8/10/83 | 5 | 1 | 1 | 1 | 0 |
| 16 | 17 Foundry Street | 8/16/83 | 7 | 0 | 0 | 0 | 0 |
| 17 | Hayes Park East Before TAT Clean-up | 7/13/83 | 5 | 0 | 0 | 0 | 0 |

On hold - Samples have not been shipped for analysis

80 LISTER AVENUE
SUMMARY OF SAMPLING DATA

| SECTION | SAMPLING PHASE | SAMPLING DATES | NUMBER OF SAMPLES | UNREPORTED DATA | RERUNS | |
|---------|---|----------------|--------------------------|-----------------|--------|-----|
| | | | | | QA/QC | CDC |
| 18 | Hayes Park East After TAT Clean-up | 8/17/83 | 4 | 0 | 0 | 2 |
| | Interlab QA Duplicates | | 114 (Batelle) 0 (ETC) | 0 | 0 | 0 |
| 19 | Newark Parks Dept. Pesticide | 7/14/83 | 3 | 2 | 1 | 0 |
| 21 | Transportation Routes Post-Remedial Action | 9/01/83 | 43 | 1 | 1 | 26 |
| 22 | Transportation Routes Phase III | 9/15-16/83 | 38 | 1 | 1 | 10 |
| 23 | Industrial Areas | 9/16 & 26/83 | 15 | 1 | 1 | 7 |
| 24 | Selected Grid Phase II | 9/20/83 | 24 | 1 | 1 | 9 |
| 25 | Native Soil Phase II | 9/12/83 | DT | 0 | 0 | 0 |
| 27 | Parkway Soil | 10/18/83 | 49 | 9 | 9 | 28 |
| 28 | Brady Iron & Metals | 10/10/83 | 14 | 0 | 0 | 1 |
| 29 | Ferry Street | 10/20 & 28/83 | 22 | 0 | 0 | 8 |
| 30 | Duplicate Samples From Transportation Routes Phase III & Selected Grid Phase II | 10/07/83 | 21 | 0 | 0 | 0 |
| 31 | QA Reference Material A Duplicate Samples | 10/10/83 | 19 | 0 | 0 | 0 |
| 32 | Brady Iron & Metals Perimeter | 10/22/83 | 68 | 2 | 1 | 14 |
| 33 | Hildemann Property | 10/26/83 | 22 | 0 | 0 | 7 |
| 34 | New Jersey Transit | 10/27/83 | 22 | 2 | 2 | 2 |

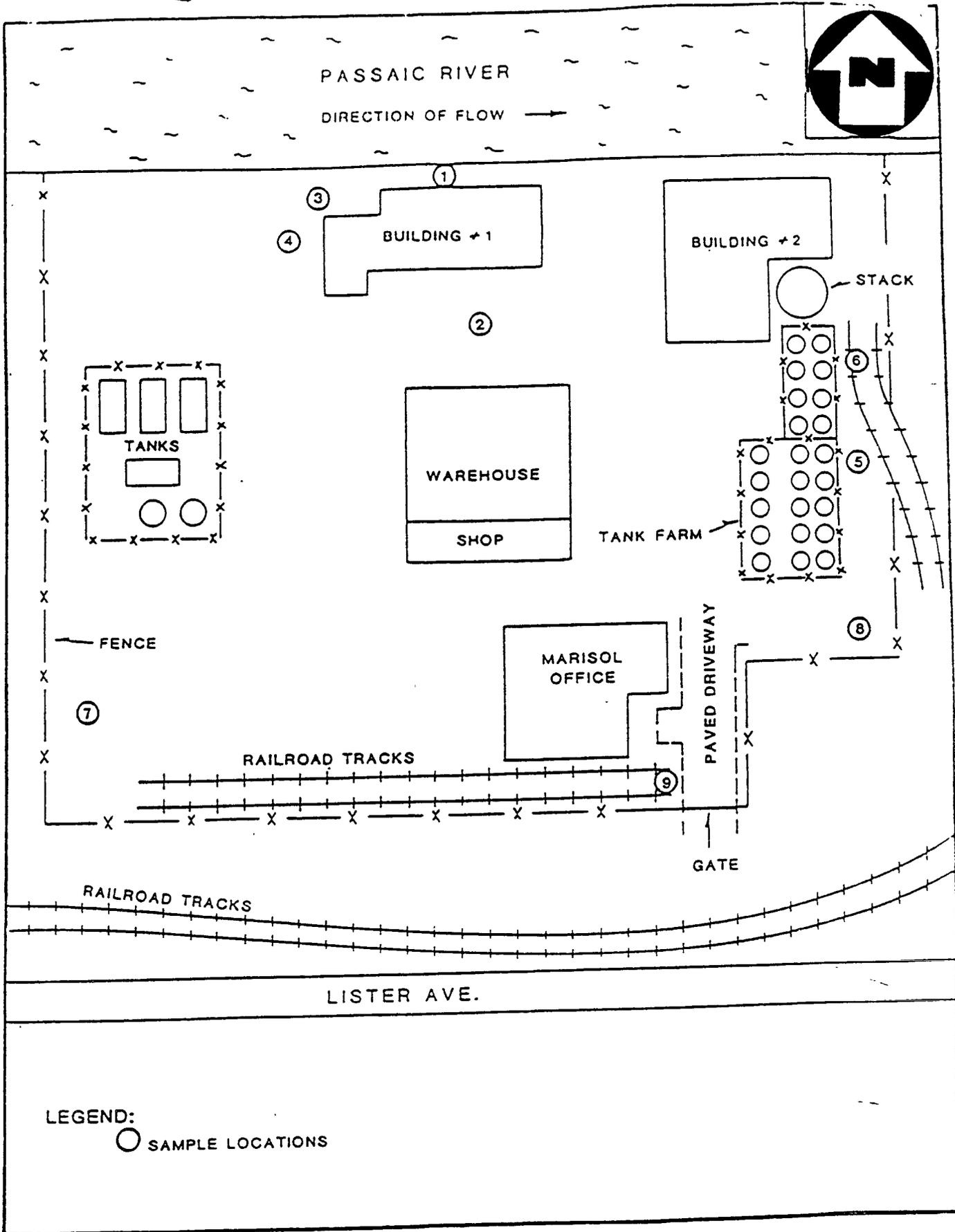
DT = Samples are being shipped as QA Reference Material F with other Sampling tasks.

**80 LISTER AVENUE
SUMMARY OF SAMPLING DATA**

| SECTION | SAMPLING PHASE | SAMPLING DATES | NUMBER OF SAMPLES | UNREPORTED DATA | RERUNS | |
|---------|--|--------------------|-------------------|-----------------|--------|-----|
| | | | | | QA/QC | CDC |
| 35 | Brady Iron & Metals Remedial Grip & Wipe | 11/8-9 & 15/83 | 67 | 4 | 4 | 9 |
| 36 | QA Reference Material Duplicate Samples Phase II | 11/29/83 | 24 | 0 | 0 | 0 |
| 38 | QA Reference Material Duplicate Phase III | 2/23/84 | 24 | 0 | 0 | 0 |
| 39 | 80 Lister Avenue | 4/19/84 | 9 | 1 | 1 | 0 |
| 40 | Transient Character Sweep Samples | 4/26/84 | 9 | 1 | 1 | 0 |
| 41 | Archive Sample Resubmittal | 9/24/84 | 9 | 9 | 0 | 0 |
| 42 | Residential Zone 1 Sampling | 4/17-19,22,5/10/85 | 160 | 80 | 0 | 0 |
| 44 | Zone 1 Subsurface Sample Analysis | 4/17-22/85 | 23 | 0 | 0 | 0 |
| 45 | Residential Zone 1 North | 9/16/85 | 32 | 32 | 0 | 0 |
| 46 | QA Sample Reanalysis | 10/10/85 | 24 | 24 | 0 | 0 |

SECTION 2 INDEX
ON SITE

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DIAMOND SHAMROCK
NEWARK, N.J.
SAMPLE LOCATION MAP

SECTION 2
TABLE 1
SAMPLES WITH CONCENTRATIONS 1 PPB OR GREATER
ON SITE
5/27/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|---|-------------|--------------------------|---------------------------|
| | | | Initial | Repeat |
| 1 | Adjacent to Bulkhead along Passaic River at north end of site | Soil | 86 C | |
| 2 | South side of building #1 | Soil | NG | 124 C |
| 3 | Adjacent to Bulkhead along Passaic River at north end of site | Soil | 378 C | 694 C 1240 C duplicate |
| 4 | Under storage tank at NW corner of site | Soil | NG | 51,000 |
| 5 | Near railroad siding, western edge of site | Soil | 529 | 657 C |
| 6 | Adjacent to storm drain near tall stack, NE corner | Soil | NG | 843 C |
| 7 | Adjacent to railroad tracks, SW entrance | Soil | 84 C | |
| 8 | Adjacent to railroad tracks, SE entrance | Soil | 109 C | 124 C |
| 9 | Adjacent to railroad tracks, southern gate | Soil | 74 C | |

NOTES:

- (a) 9 samples were collected.
- (b) NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.
- (c) C = Corrected for laboratory bias. Correction Factor = 1.24.

SECTION 2
TABLE 2
ALL SAMPLES INCLUDING QA/QC
ON SITE
5/27/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|---|-------------|--------------------------|---------------------------|
| | | | Initial | Repeat |
| 1 | Adjacent to Bulkhead along Passaic River at north end of site | Soil | 86 C | |
| 2 | South side of building #1 | Soil | NG | 124 C |
| 3 | Adjacent to Bulkhead along Passaic River at north end of site | Soil | 378 C | 694 C 1240 C duplicate |
| 4 | Under storage tank at NW corner of site | Soil | NG | 51,000 |
| 5 | Near railroad siding, western edge of site | Soil | 529 C | 657 C |
| 6 | Adjacent to storm drain near tall stack, NE corner | Soil | NG | 843 C |
| 7 | Adjacent to railroad tracks, SW entrance | Soil | 84 C | |
| 8 | Adjacent to railroad tracks SE entrance | Soil | 109 C | 124 C |
| 9 | Adjacent to railroad tracks, southern gate | Soil | 74 C | |
| 10 | Known Blank | Soil | ND | |
| 10 | Matrix Spike of Sample 10 | Soil | 1.4 C | |

ND = Not Detected

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.
C = Corrected for laboratory bias. Correction Factor = 1.24.

**SECTION 3 INDEX
HABITABILITY**

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| 3-9 | Table 2 (cont'd) |

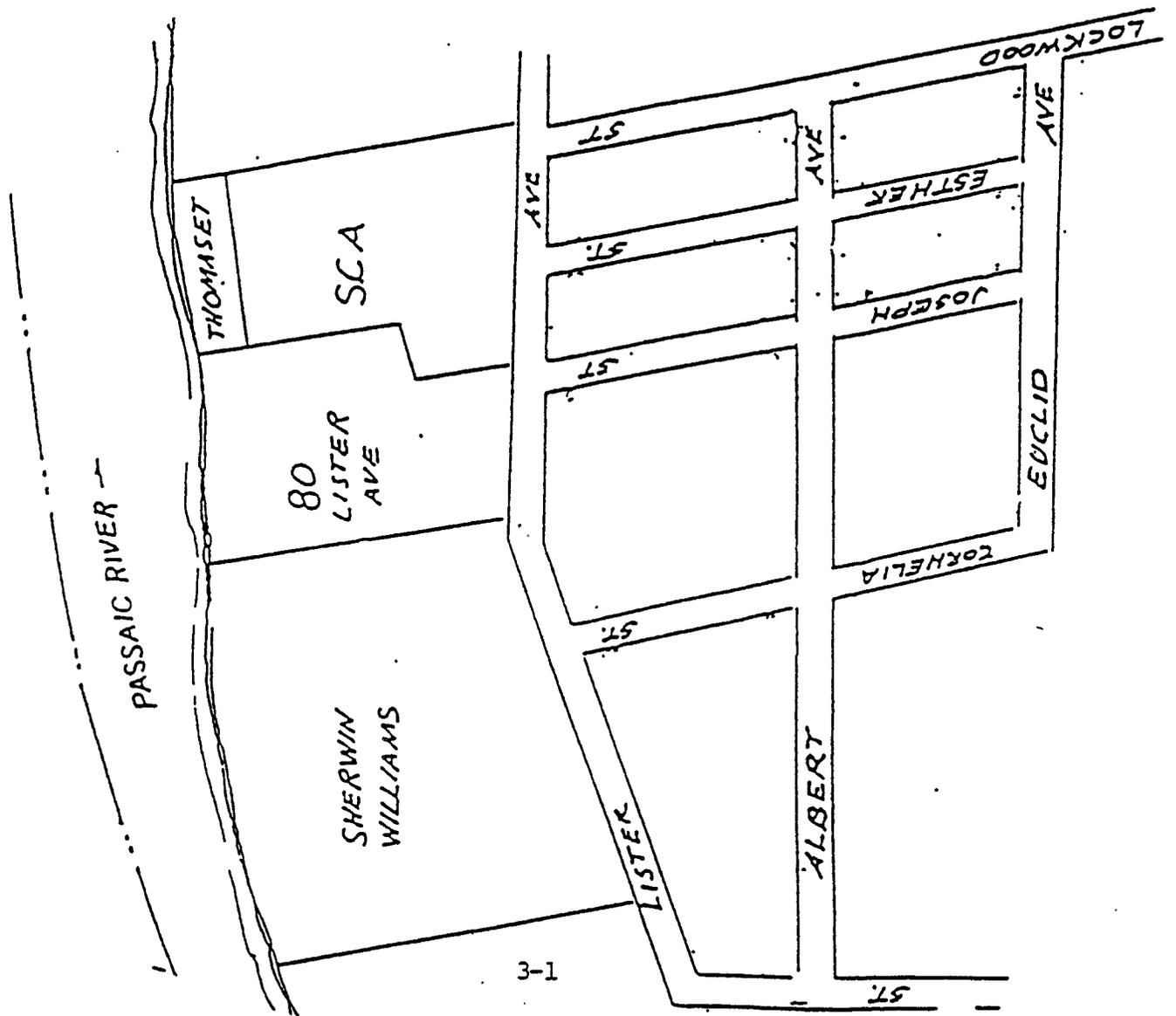


FIGURE # 1
 LOCATION OF STUDY
 ARFA

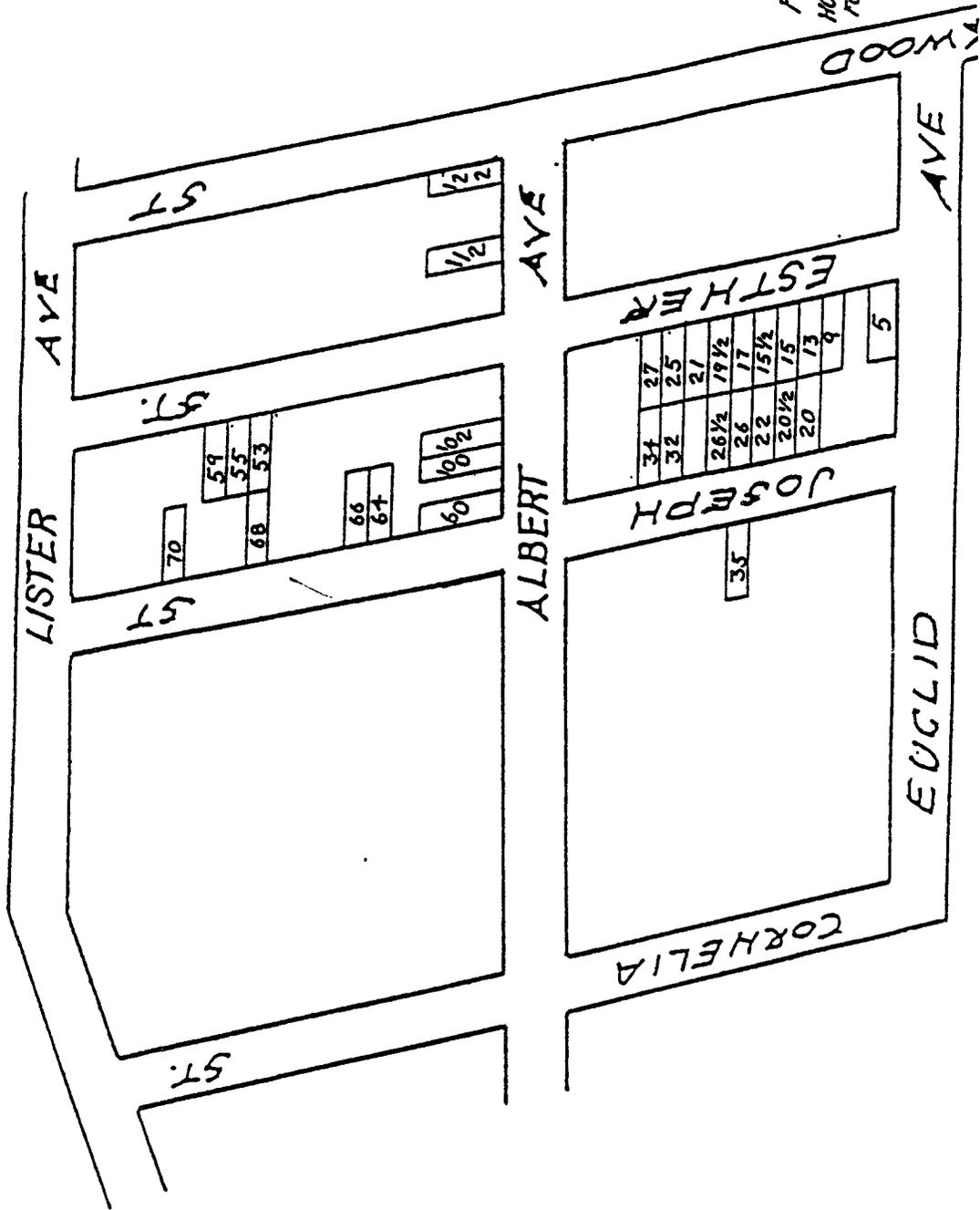


FIGURE 2
 HOUSE #S SAMPLED
 FOR VACUUM
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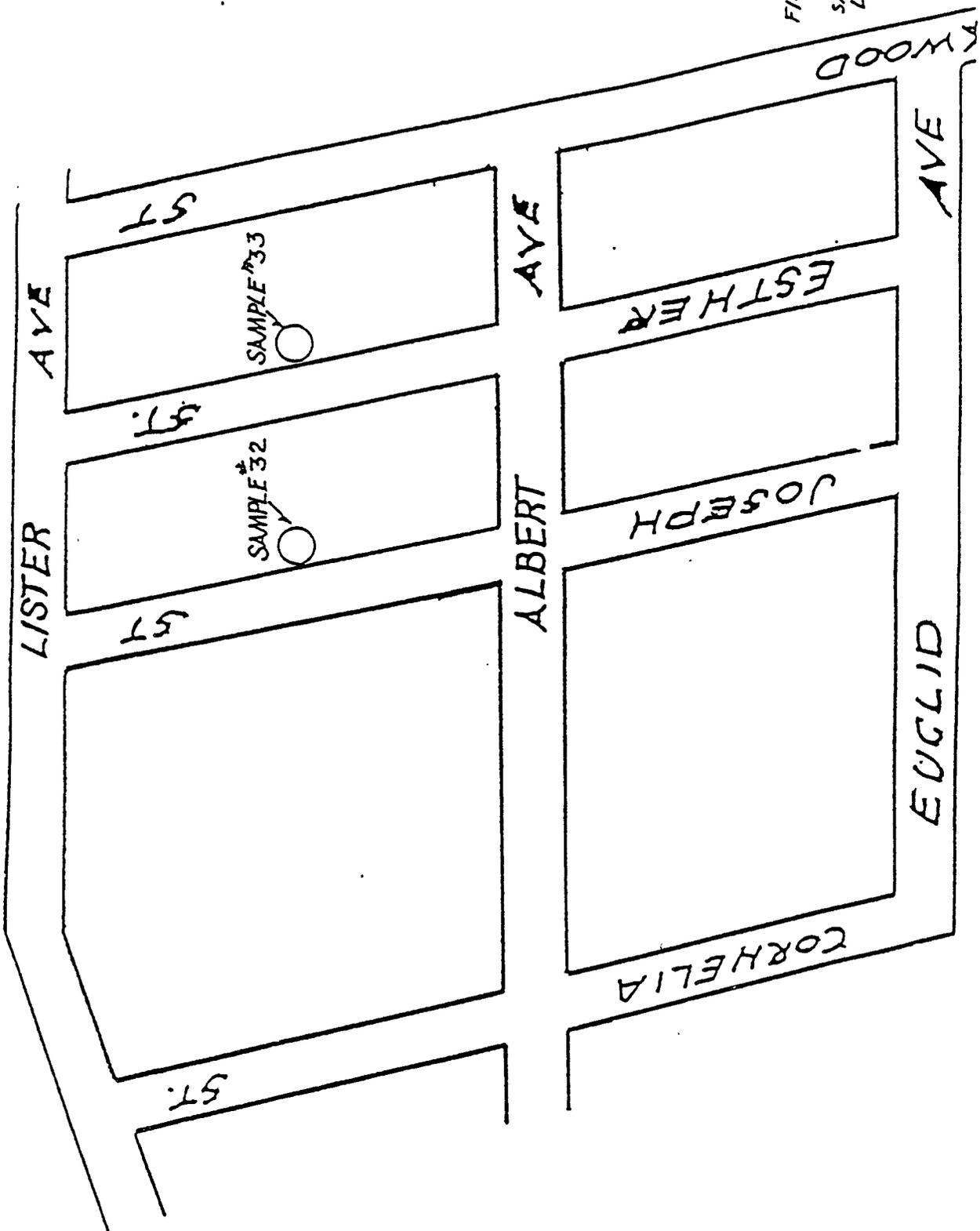


FIGURE #3
SOIL
SAMPLE
LOCATIONS

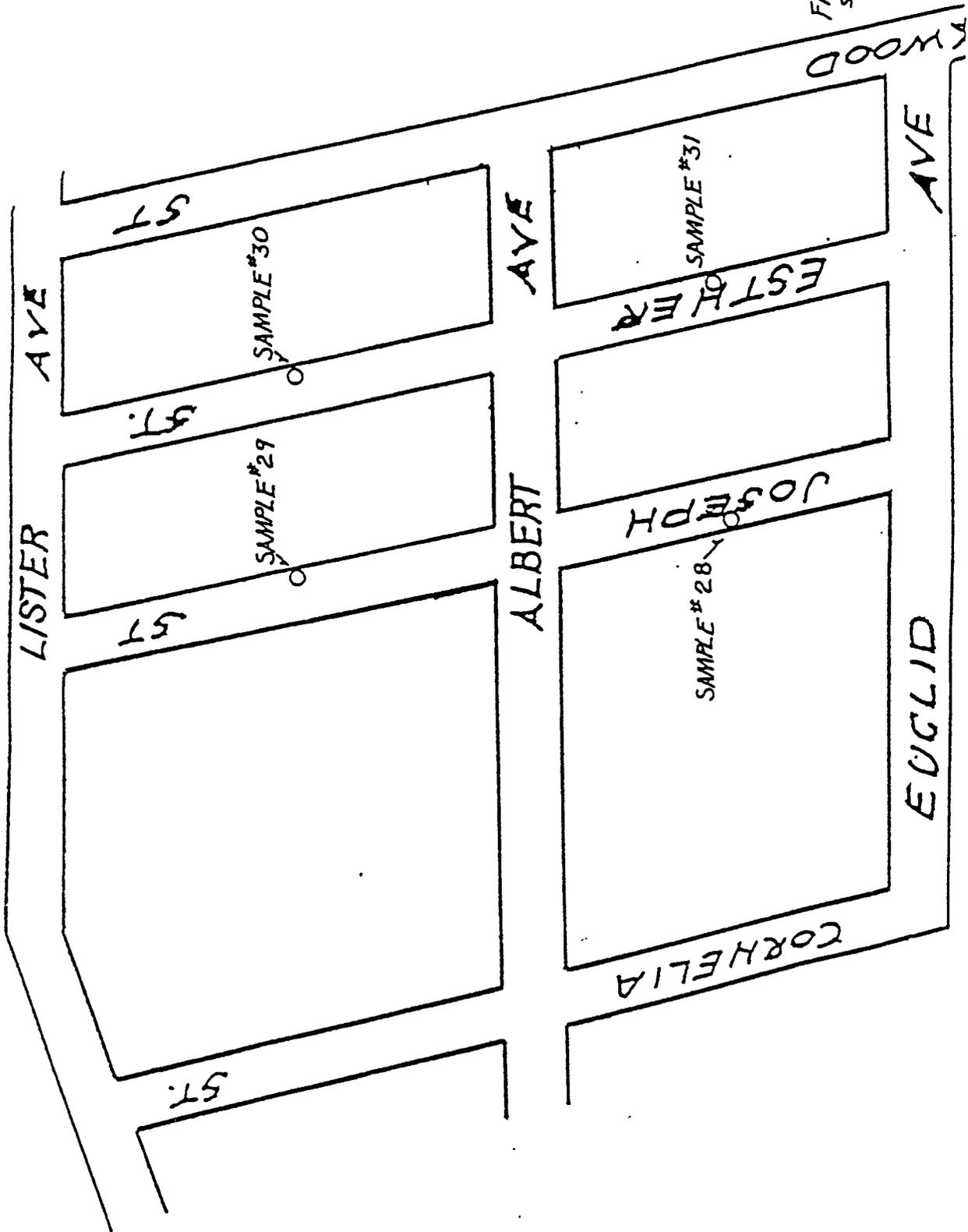


FIGURE # 4
STREET SWEEPING
LOCATIONS

SECTION 3
TABLE 1

SAMPLES COLLECTED ON 6/3/83

| SAMPLE NUMBER | SAMPLE LOCATION | RESIDENT | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|--------------------------------|-------------------|------------------------|--------------------------|--|
| | | | | Initial | Repeat |
| 26 | 13 Esther | Defrancis & Deary | Vacuum bag | NG | 0.32 C 0.25 C duplicate |
| 32 | Joseph between Albert & Lister | --- | Soil | 7.19 C | 6.2 C 6.6 C duplicate 4.9(CAL) 5.2(CAL) duplicate |
| 38 | SCA | -- | Air conditioner filter | 1.5 C | |

NOTES:

- (a) 28 samples were collected.
- (b) 15 samples were not detected.
- (c) 13 samples did not pass EPA Monitoring Management Branch QA/QC requirements.
- (d) (CAL) = Sample analyzed by California analytical laboratories.
- (e) C = Corrected for laboratory bias. Correction Factor = 1.24.

SECTION 3
TABLE 2
ALL SAMPLES INCLUDING QA/QC
HABITABILITY
6/3/83

| SAMPLE NUMBER | SAMPLE LOCATION | RESIDENT | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|-------------------------|----------------------|-------------|--------------------------|--|
| | | | | Initial | Repeat |
| 11 | 53 Esther | Trechel | Vacuum bag | NG | |
| 12 | 100 Albert | Opanowitz | Vacuum bag | ND | |
| 13 | 102 Albert | Podins | Vacuum bag | ND | ND duplicate |
| 14 | 20 1/2 Joseph | Dembrosky | Vacuum bag | ND | |
| 15 | 20 Joseph | Decregcenzo | Vacuum bag | NG | |
| 16 | 11 Esther | Josco | Vacuum bag | NG | |
| 17 | 64 Joseph | Macalravy | Vacuum bag | NG | |
| 18 | 35 Joseph | B&B Foods | Vacuum bag | ND | |
| 19 | 15 Esther | Hudak | Vacuum bag | ND | |
| 20 | 112 Albert 2nd Floor | Cleveland | Vacuum bag | NG | |
| 21 | 122 Albert 2nd Floor | Huryk | Vacuum bag | NG | |
| 22 | 33 Esther | Lukas | Vacuum bag | ND | |
| 23 | 27 Esther | Rudzinski | Vacuum bag | ND | ND duplicate |
| 24 | 15 1/2 Esther | Shramowat | Vacuum bag | ND | |
| 25 | 25 Esther | Dombroski | Vacuum bag | ND | |
| 26 | 13 Esther | Defrancis & Deary | Vacuum bag | NG | 0.32 C 0.25 C duplicate ND (CAL) ND (CAL) duplicate |

ND = Not Detected

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

(CAL) = Sample analyzed by California Analytical Laboratories.

C = Corrected for laboratory bias. Correction Factor = 1.24

SECTION 3
TABLE 2 (cont'd)
ALL SAMPLES INCLUDING QA/QC
HABITABILITY
6/3/83

| SAMPLE NUMBER | SAMPLE LOCATION | RESIDENT | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|--------------------------------|-----------|------------------------|--------------------------|--|
| | | | | Initial | Repeat |
| 27 | 9 Esther | Szymoniak | Vacuum bag | NG | |
| 28 | Joseph between Euclid & Albert | -- | Sweep | NG | |
| 29 | Joseph between Albert & Lister | -- | Sweep | ND | |
| 30 | Esther between Albert & Lister | -- | Sweep | NG | |
| 31 | Esther between Euclid & Albert | -- | Sweep | NG | |
| 32 | Joseph between Albert & Lister | -- | Soil | 7.2 C | 6.2 C 6.6 C duplicate 4.9 (CAL) 5.2 (CAL) duplicate |
| 33 | Esther between Albert & Lister | -- | Soil | NG | |
| 34 | 122 Albert 1st Floor | Huryk | Vacuum bag | NG | |
| 35 | Sherwin Williams 223-2A | -- | Air conditioner filter | NG | |
| 36 | Sherwin Williams 22-1A | -- | Air conditioner filter | ND | |
| 37 | Sherwin Williams | -- | Dust mask | ND | |

ND = Not Detected

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

(CAL) = Sample analyzed by California Analytical Laboratories.

C = Corrected for laboratory bias. Correction Factor = 1.24.

SECTION 3
TABLE 2 (cont'd)
ALL SAMPLES INCLUDING QA/QC
HABITABILITY
6/3/83

| SAMPLE NUMBER | SAMPLE LOCATION | RESIDENT | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|----------------------------|----------|------------------------|--------------------------|--------|
| | | | | Initial | Repeat |
| 38 | SCA | -- | Air conditioner filter | 1.5 | C |
| 39 | 23 Washington Place, Blank | -- | Vacuum Bag | ND | |
| 40 | EPA Raritan Center, Blank | -- | Soil | ND | |
| 41 | Woodbridge Avenue, Blank | -- | Sweep | ND | |

ND = Not Detected

C = Corrected for laboratory bias. Correction Factor = 1.24.

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JOSEPH STREET AND SCA CHEMICAL SERVICES

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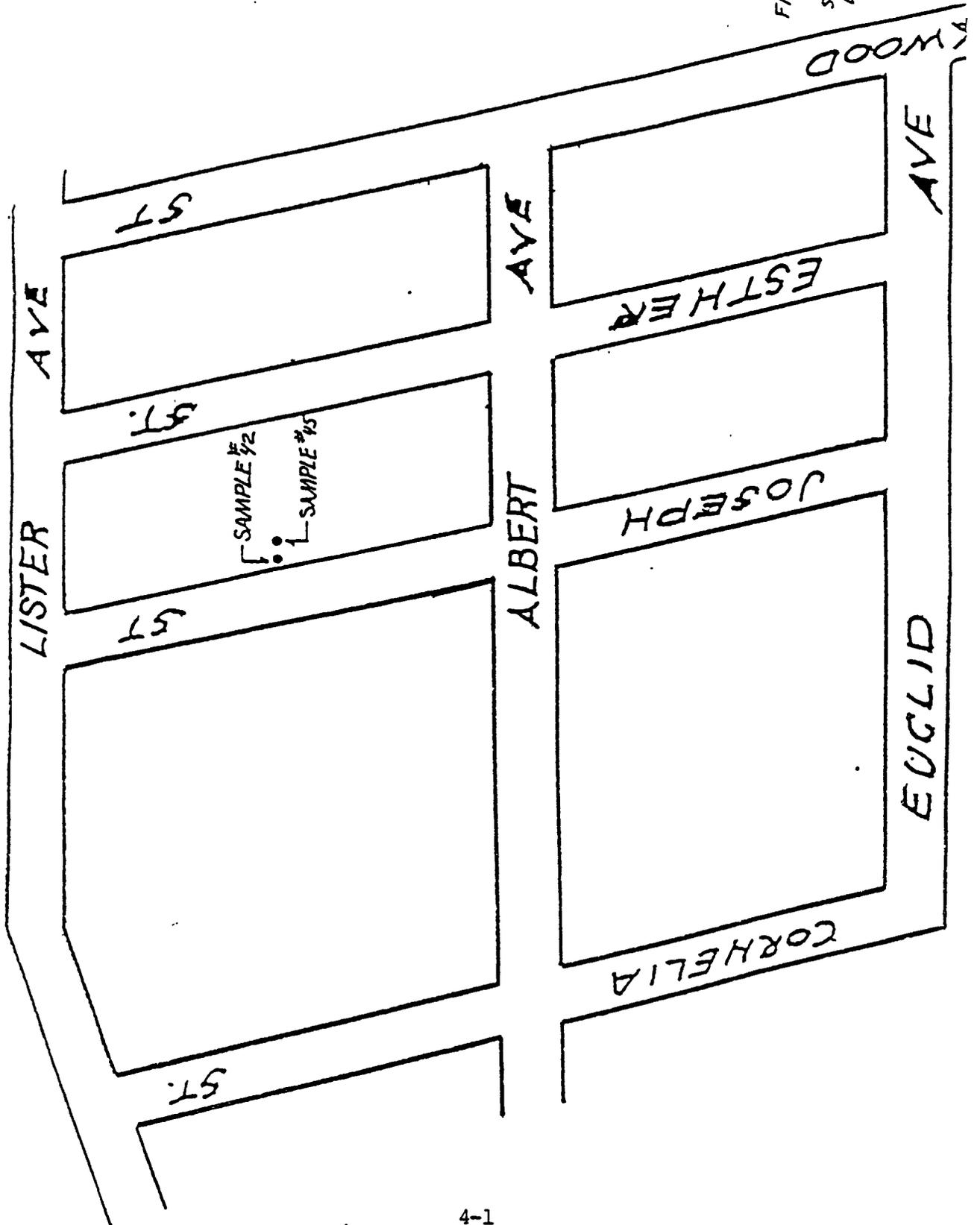


FIGURE # 11
SOIL
SAMPLE
LOCATIONS

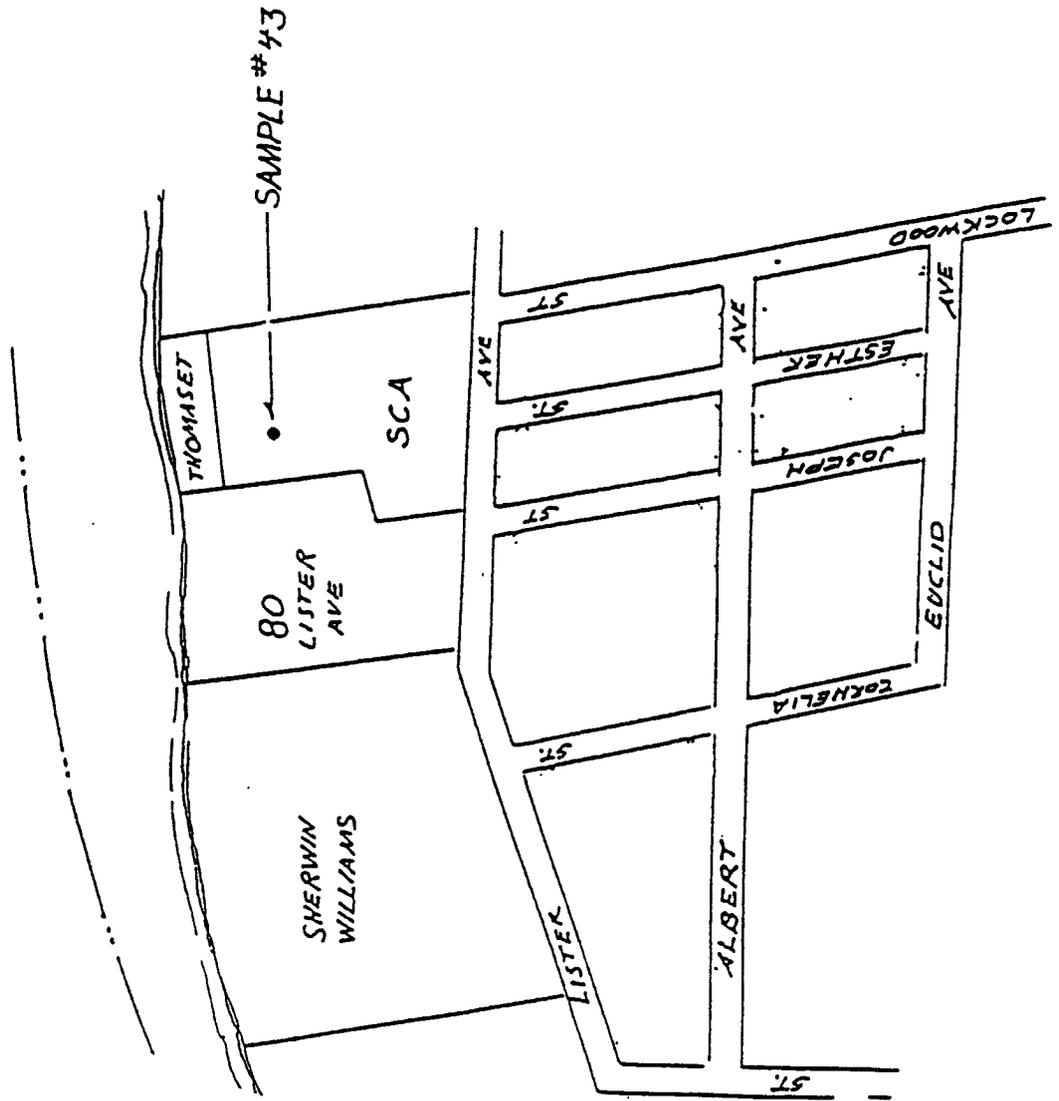


FIGURE # 1 2
 SAMPLING LOCATION
 FOR AIR CONDITIONER

SECTION 4
 TABLE 1
 SAMPLES WITH CONCENTRATIONS 1 PPB OR GREATER
 JOSEPH STREET AND SCA CHEMICAL SERVICES
 6/7/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|---|------------------------------------|--------------------------|--------|
| | | | Initial | Repeat |
| 42 | Joseph St., between Albert and Lister (Sample 32 resampled) | Soil | 3.5 C | |
| 43 | SCA Chemical Services (Sample 38 resampled) | Dust from Air Conditioning Unit | 1.4 C | |
| 45 | Joseph St., between Albert and Lister; four inches east of sample #42 | Soil | 3.6 C | |

NOTES:

- (a) 3 samples were collected
- (b) C=corrected for laboratory bias. Correction Factor = 1.24

SECTION 4
 TABLE 2
 ALL SAMPLES INCLUDING QA/QC
 JOSEPH STREET AND SCA CHEMICAL SERVICES
 6/7/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|---|------------------------------------|--------------------------|--------|
| | | | Initial | Repeat |
| 42 | Joseph St., between Albert and Lister (Sample 32 resampled) | Soil | 3.5 | C |
| 43 | SCA Chemical Services (Sample 38 resampled) | Dust from Air Conditioning Unit | 1.4 | C |
| 44 | Unknown Blank | Soil | ND | |
| 45 | Joseph St., between Albert and Lister; four inches east of sample #42 | Soil | 3.6 | C |

ND = Not Detected

C = Corrected for laboratory bias. Correction Factor = 1.24.

SECTION 5 INDEX
THOMASSET COLORS, INC.

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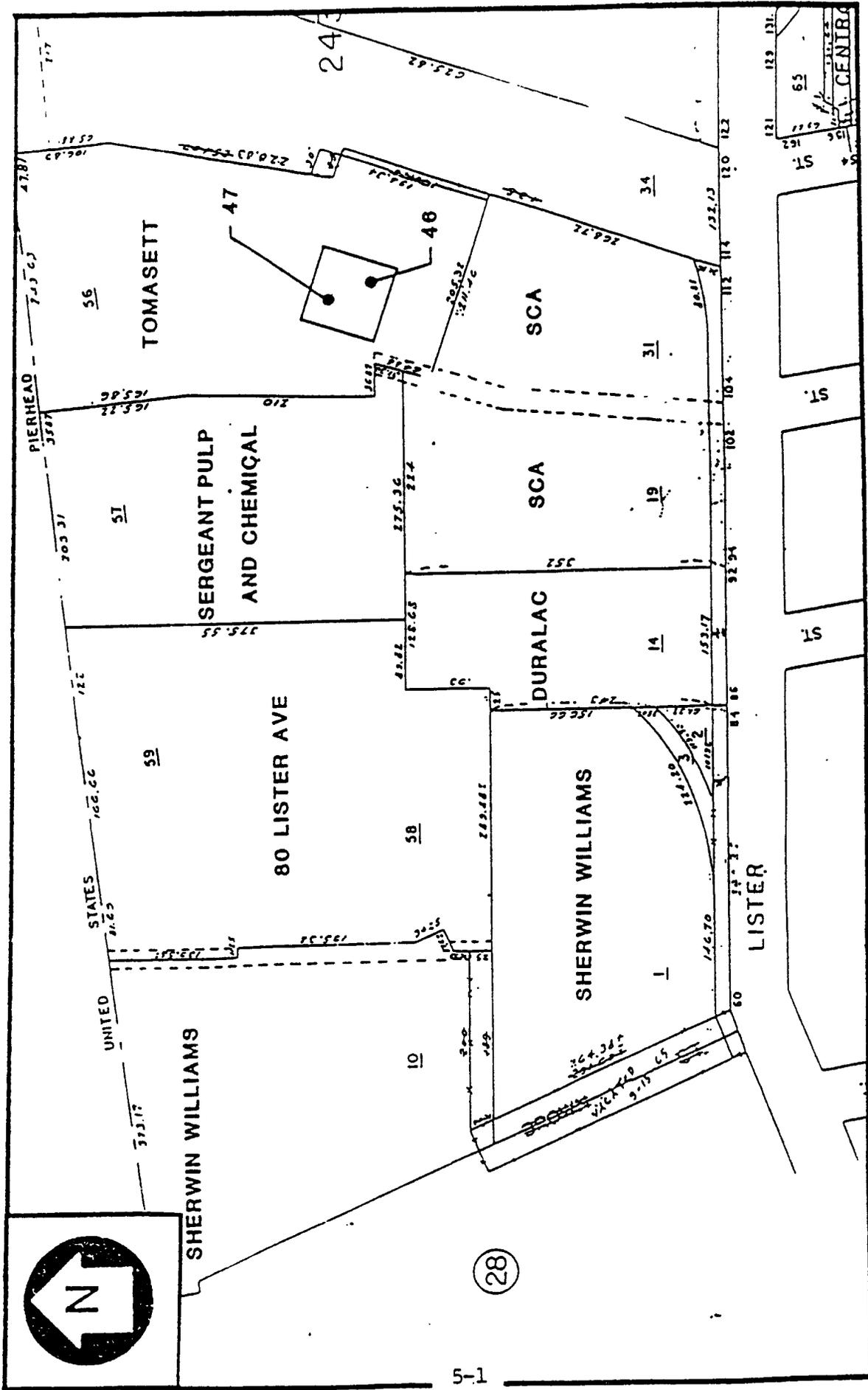


FIGURE 1

SAMPLING LOCATION
FOR INTAKE VENTS

SAMPLE LOCATION MAP



SECTION 5
TABLE 1
SAMPLES WITH CONCENTRATIONS 1 PPB OR GREATER
THOMASSET COLORS, INC.
6/8/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|------------------|--------------------|----------------|-----------------------------|--------|
| | | | Initial | Repeat |

No samples with concentrations 1 ppb or greater.

NOTES:

- (a) 2 samples were collected.
- (b) 2 samples had no detection of TCDD.

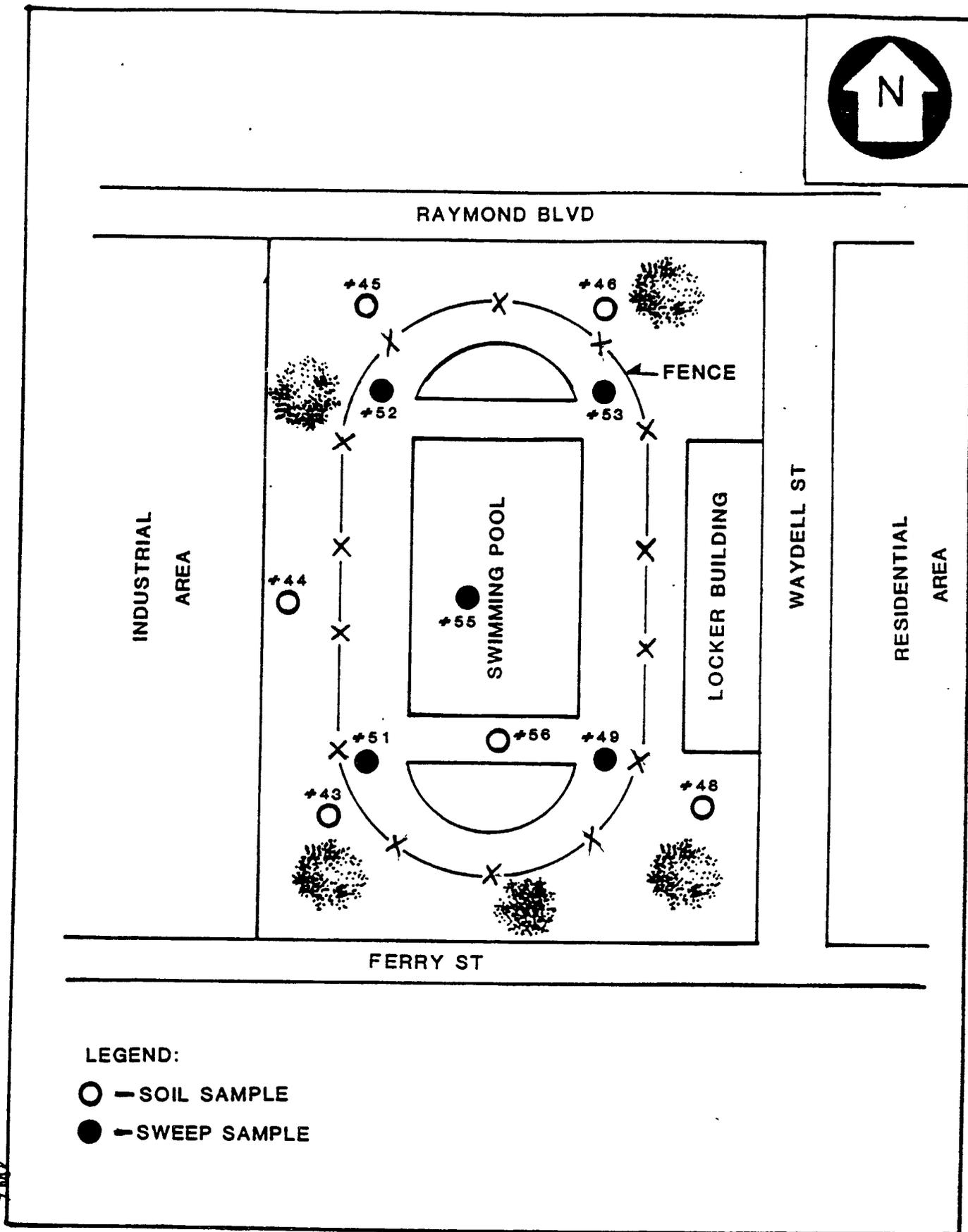
SECTION 5
TABLE 2
ALL SAMPLES INCLUDING QA/QC
THOMASSET COLORS, INC.
6/8/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|------------------------|---|--------------------------|--------|
| | | | Initial | Repeat |
| 46 | Thomasset Colors, Inc. | Air intake filters (2) from the process drier | ND | |
| 47 | Thomasset Colors, Inc. | Air intake filter (1) from the process drier | ND | |

ND = Not Detected

**SECTION 6 INDEX
PUBLIC CONTACT AREAS**

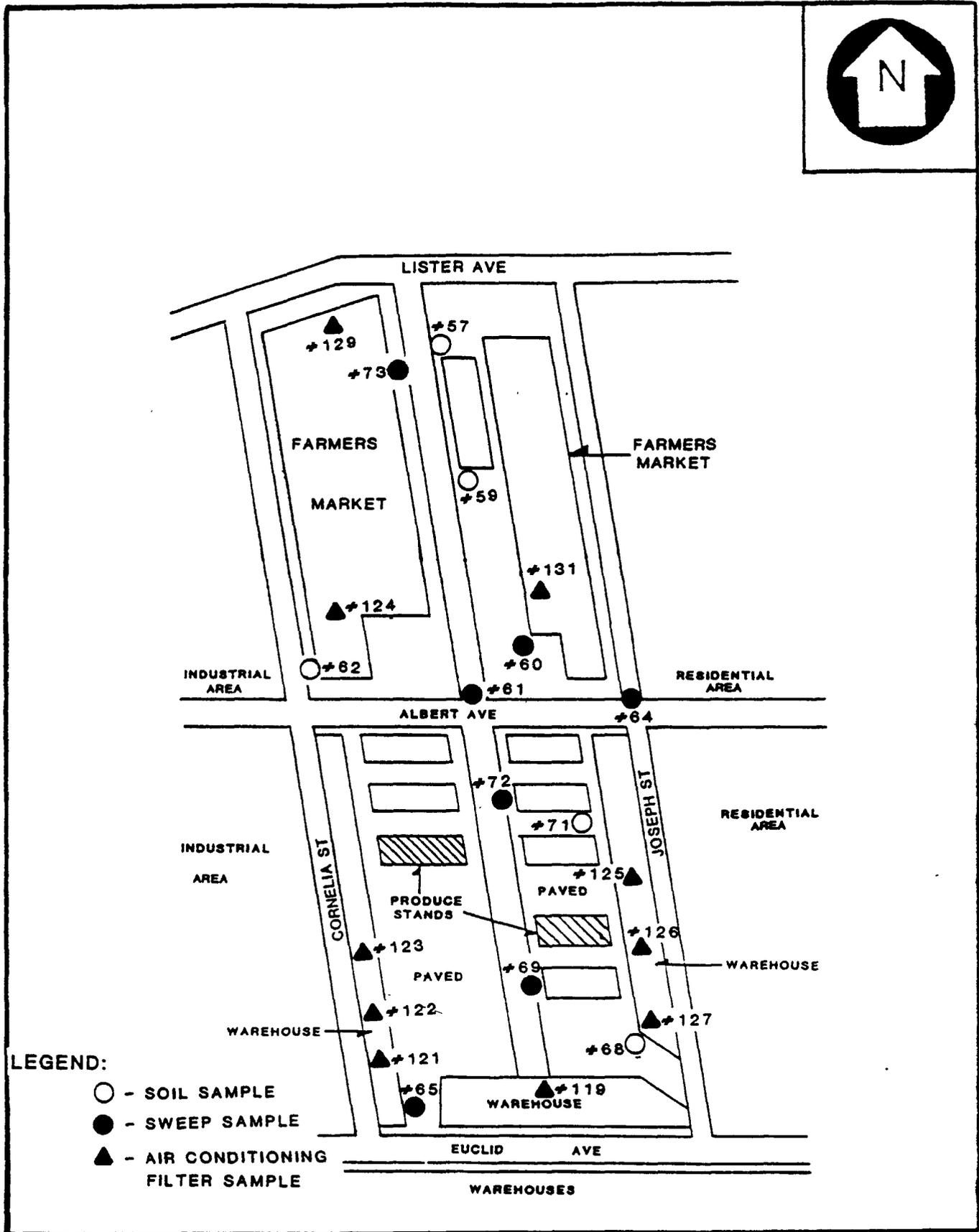
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| 6-14 | Table 6 (cont'd) |
| 6-15 | Table 6 (cont'd) |
| 6-16 | Table 6 (cont'd) |
| 6-17 | Table 6 (cont'd) |
| 6-18 | Table 6 (cont'd) |



SAMPLE LOCATIONS

FIGURE 1

HAYES PARK EAST



SAMPLE LOCATIONS
NEWARK REGIONAL FARMERS MARKET

FIGURE 2



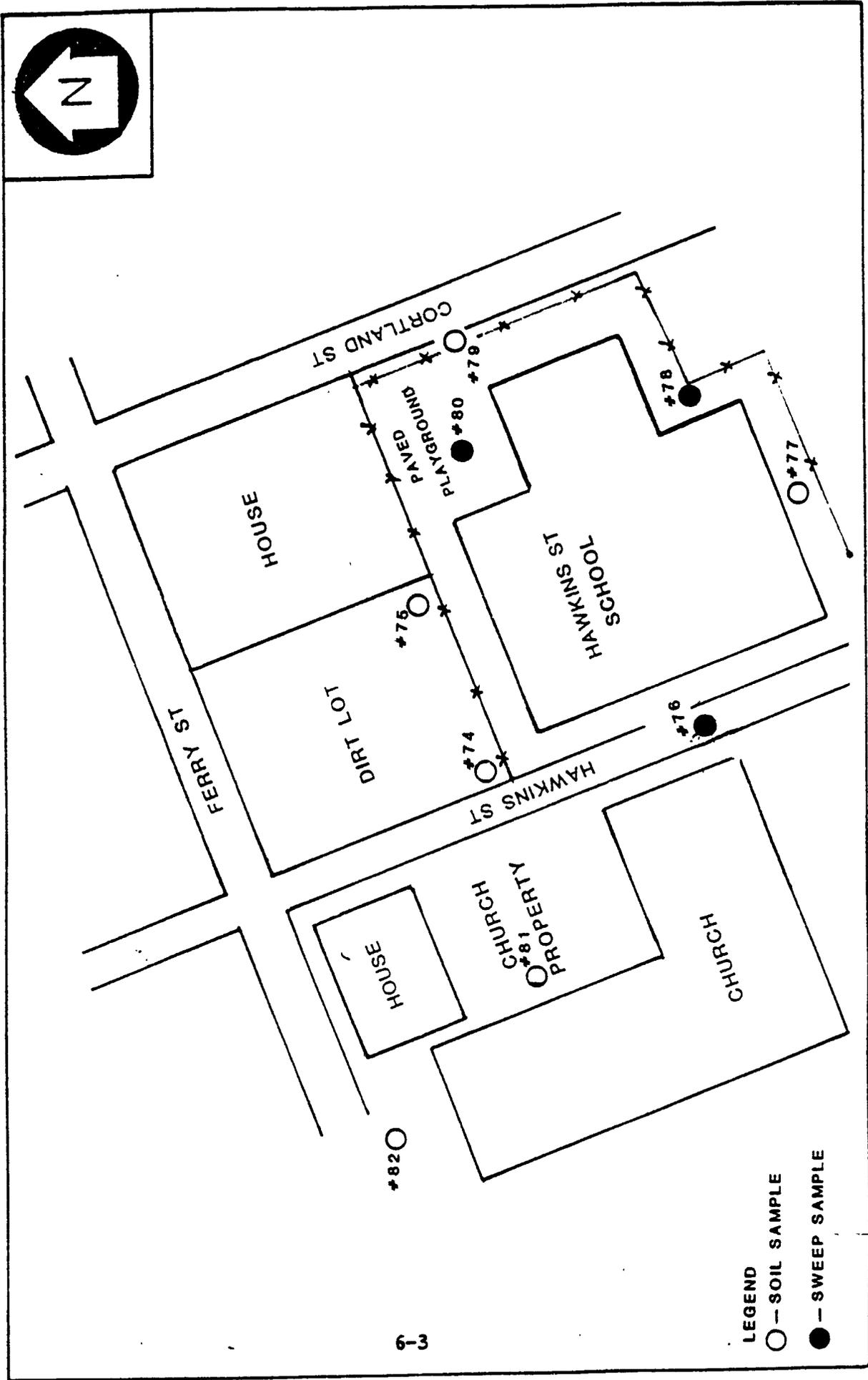
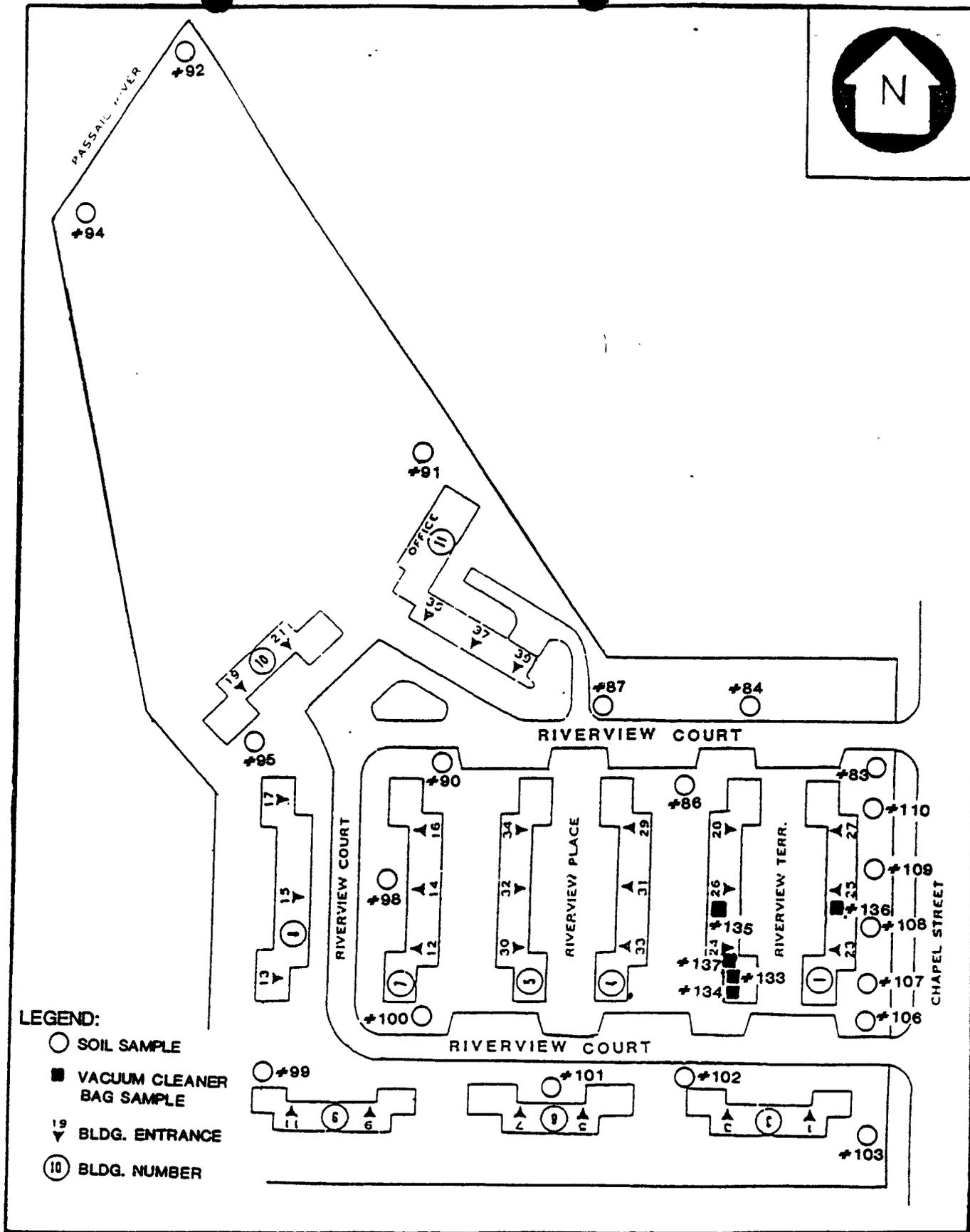


FIGURE 3



SAMPLE LOCATIONS
 HAWKIN STREET SCHOOL
 AND REFORMED TRINITY CHURCH

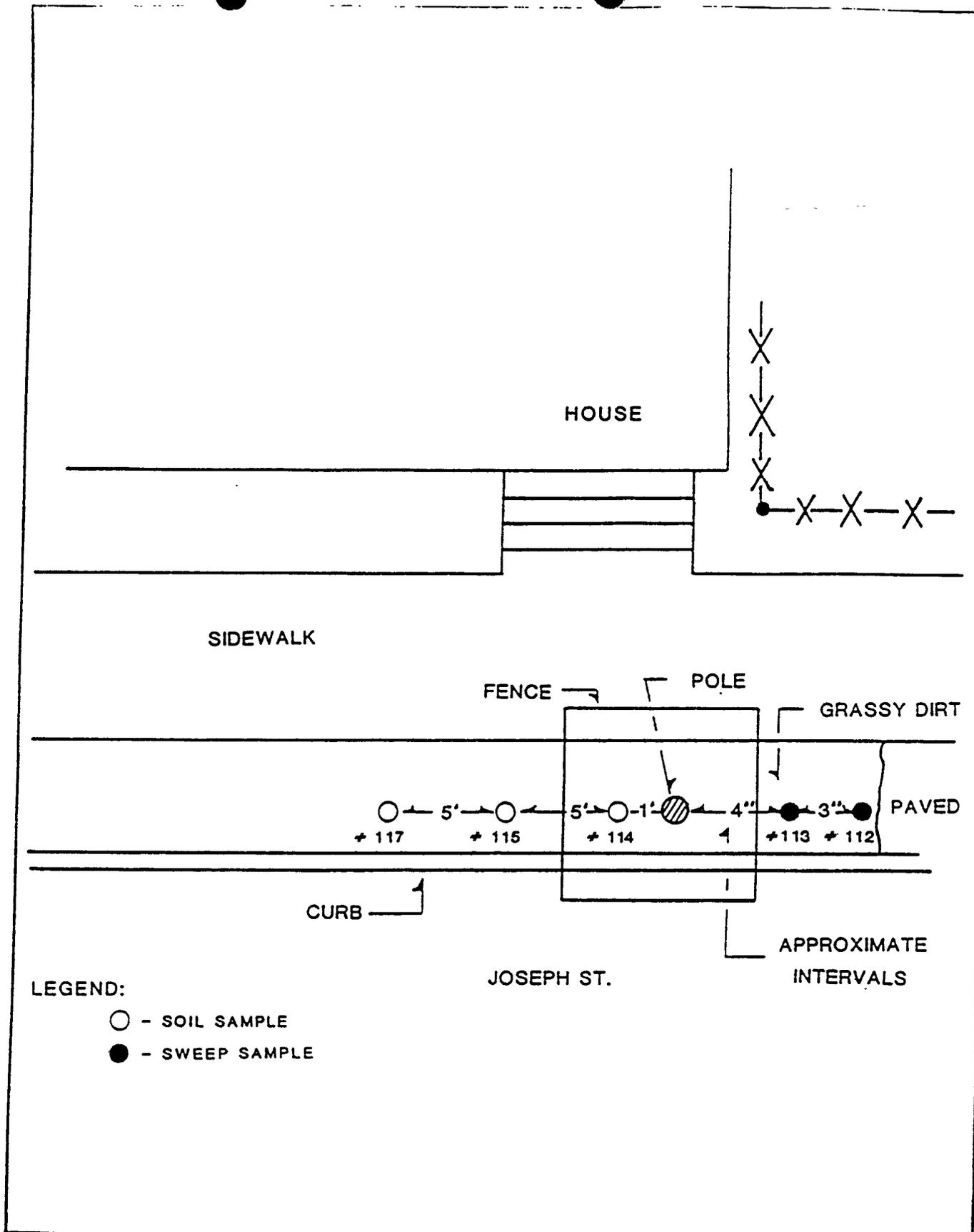


SAMPLE LOCATIONS

FIGURE 4

ROOSEVELT HOMES HOUSING PROJECT





SAMPLE LOCATIONS

#68 JOSEPH ST

FIGURE 5



SECTION 6
TABLE 1
SAMPLES WITH CONCENTRATIONS 1 PPB OR GREATER
PUBLIC CONTACT AREAS
HAYES PARK EAST
6/14/83 - 6/17/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|--------------------------------------|-------------|--------------------------|--|
| | | | Initial | Repeat |
| 51 | Hayes Park East SW corner of deck | Sweep | 1.2 C | NG (ENV) ND (ENV) 0.55 C 0.74 C duplicate 1.21 C triplicate |
| 52 | Hayes Park East NW corner of deck | Sweep | 3.8 C | NG (ENV) NG (ENV) NG (ENV) 2.0 C 3.1 C duplicate 2.5 C triplicate |

NOTES:

- (a) 11 samples were collected.
- (b) 8 samples had no detection of TCDD.
- (c) 1 sample was detected below 1.00 ppb TCDD.
- (d) (ENV) = Sample analyzed by Envirodyne.
- (e) ND = Not Detected.
- (f) NG = Did not pass EPA Monitoring Management Branch QA/QC requirement.
- (g) C = Corrected for laboratory bias. Correction Factor = 1.24.

SECTION 6
TABLE 2
SAMPLES WITH CONCENTRATIONS 1 PPB OR GREATER
PUBLIC CONTACT AREAS
NEWARK REGIONAL FARMERS MARKET
6/14/83 - 6/17/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---|--------------------|----------------|-----------------------------|--------|
| | | | Initial | Repeat |
| <p>No samples with concentrations 1 ppb or greater.</p> | | | | |

NOTES:

- (a) 22 samples were collected.
- (b) 17 samples had no detection of TCDD.
- (c) 4 samples did not pass EPA Monitoring Management Branch QA/QC requirements.
- (d) 1 sample was detected below 1.00 ppb TCDD.

**SECTION 6
TABLE 3
SAMPLES WITH CONCENTRATIONS 1 PPB OR GREATER
PUBLIC CONTACT AREAS
HAWKIN STREET SCHOOL AND REFORMED TRINITY CHURCH
6/14/83 - 6/17/83**

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|------------------|--------------------|----------------|-----------------------------|--------|
| | | | Initial | Repeat |

No samples with concentrations 1 ppb or greater.

NOTES:

- (a) 9 samples were collected.
- (b) 9 samples had no detection of TCDD.

SECTION 6
TABLE 4
SAMPLES WITH CONCENTRATIONS 1 PPB OR GREATER
PUBLIC CONTACT AREAS
ROOSEVELT HOMES HOUSING PROJECT
6/14/83 - 6/17/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|------------------|--------------------|----------------|-----------------------------|--------|
| | | | Initial | Repeat |

No samples with concentrations 1 ppb or greater.

NOTES:

- (a) 25 samples were collected.
- (b) 24 samples had no detection of TCDD.
- (c) 1 sample was detected below 1.00 ppb TCDD.

SECTION 6
TABLE 5
SAMPLES WITH CONCENTRATIONS 1 PPB OR GREATER
PUBLIC CONTACT AREAS
#68 JOSEPH STREET
6/14/83 - 6/17/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|---------------------------------------|-------------|--------------------------|---|
| | | | Initial | Repeat |
| 113 | Joseph Street Parkway in front of #63 | Sweep | 1.4 C | NG (ENV) NG (ENV) NG (ENV) 1.2 C 1.4 C duplicate 0.76 C triplicate |
| 114 | Joseph Street Parkway in front of #63 | Soil | NG | 3.7 C 3.7 C duplicate |
| 115 | Joseph Street Parkway in front of #63 | Soil | 3.0 C | NG (ENV) NG (ENV) NG (ENV) 2.7 C 2.6 C duplicate 2.2 C triplicate |
| 117 | Joseph Street Parkway in front of #63 | Soil | 5.1 C 4.7 C duplicate | NG (ENV) NG (ENV) NG (ENV) 3.8 C 4.3 C duplicate 4.3 C triplicate |

NOTES:

- (a) 5 samples were collected.
- (b) 1 sample was detected below 1.00 ppb TCDD.
- (c) (ENV) = Sample analyzed by Envirodyne.
- (d) ND = Not Detected.
- (e) NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.
- (f) C = Corrected for laboratory bias. Correction Factor = 1.24

SECTION 6
TABLE 6
ALL SAMPLES INCLUDING QA/QC
PUBLIC CONTACT AREAS
6/14/83 - 6/17/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|---|-------------|--------------------------|--|
| | | | Initial | Repeat |
| 42 | Known Blank | Soil | ND | |
| 42 | Matrix Spike of Sample 42 | Soil | 1.2 | |
| 43 | Hayes Park East SW corner of lawn | Soil | ND | |
| 44 | Hayes Park East West edge of lawn | Soil | ND | |
| 45 | Hayes Park East NW corner of lawn | Soil | ND | |
| 46 | Hayes Park East NE corner of lawn | Soil | ND | |
| 47 | QA Reference Material C (actual value = 3.0) | Soil | 3.6 C | |
| 48 | Hayes Park East SE corner of lawn | Soil | ND | |
| 49 | Hayes Park East SE corner of deck | Sweep | ND | |
| 50 | QA Reference Material B (actual value = 0.0) | Soil | ND | |
| 51 | Hayes Park East SW corner of deck | Sweep | 1.2 C | NG (ENV) ND (ENV) 0.55 C 0.74 C duplicate 1.2 C triplicate |
| 52 | Hayes Park East NW corner of deck | Sweep | 3.8 C | NG (ENV) NG (ENV) NG (ENV) 2.0 C 3.1 C duplicate 2.5 C triplicate |

ND = Not Detected
(ENV) = Sample analyzed by Envirodyne
C = Corrected for laboratory bias. Correction Factor = 1.24.

SECTION 6
TABLE 6 (cont'd)
ALL SAMPLES INCLUDING QA/QC
PUBLIC CONTACT AREAS
6/14/83 - 6/17/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|--|-------------|--------------------------|---|
| | | | Initial | Repeat |
| 53 | Hayes Park East NE corner of deck | Sweep | 0.72 C | NG NG (ENV) ND (ENV) 1.1 C 0.93 C duplicate 2.5 C triplicate |
| 54 | Unknown Blank | Soil | ND | |
| 55 | Hayes Park East Center of swimming pool | Sweep | ND | |
| 56 | Hayes Park East Deck construction | Sweep | ND | |
| 57 | Farmer's Market North end of crate dist. | Soil | ND | |
| 58 | QA Reference Material C (actual value = 3.0) | Soil | 2.7 C | |
| 59 | Farmer's Market South end of crate dist. | Soil | ND | |
| 60 | Farmer's Market West of Fish Market | Sweep | ND | |
| 61 | Farmer's Market NW corner of Albert Ave. & Catherine St. | Sweep | ND | |
| 62 | Farmer's Market NE corner of Albert Ave. & Cornelia St. | Soil | ND | |
| 63 | QA Reference Material B (actual value = 0.0) | Soil | ND | |

ND = Not Detected

(ENV) = Sample analyzed by Envirodyne

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

C = Corrected for laboratory bias. Correction Factor = 1.24

SECTION 6
TABLE 6 (cont'd)
ALL SAMPLES INCLUDING QA/QC
PUBLIC CONTACT AREAS
6/14/83 - 6/17/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|---|-------------|--------------------------|---|
| | | | Initial | Repeat |
| 64 | Farmer's Market NW corner of Albert Ave. & Joseph St. | Sweep | 0.63 C | NG (ENV) ND (ENV) 0.87 C 0.79 C duplicate 0.74 C triplicate |
| 65 | Farmer's Market SW corner of market | Sweep | ND | |
| 66 | Known Blank | Soil | ND | |
| 66 | Matrix Spike of Sample 66 | | 1.4 C | |
| 67 | QA Reference Material B (actual value = 0.0) | Soil | ND | |
| 68 | Farmers Market Telephone pole in SE corner | Soil | ND | |
| 69 | Farmer's Market Catherine Street | Sweep | ND | |
| 70 | QA Reference Material C (actual value = 3.0) | Soil | 3.5 C | |
| 71 | Farmer's Market Nursery planter box | Soil | ND | |
| 72 | Farmer's Market Catherine Street | Sweep | ND | |
| 73 | Farmer's Market Potato loading area | Sweep | ND | |
| 74 | Hawkins Street School Adjacent lot | Soil | ND | ND duplicate |
| 75 | Hawkins Street School Adjacent lot | Soil | ND | |

ND = Not Detected

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.
(ENV) = Samples analyzed by Envirodyne.

C = Corrected for laboratory bias. Correction Factor = 1.24.

SECTION 6
TABLE 6 (cont'd)
ALL SAMPLES INCLUDING QA/QC
PUBLIC CONTACT AREAS
6/14/83 - 6/17/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|---|-------------|--------------------------|--------|
| | | | Initial | Repeat |
| 76 | Hawkins Street School Hawkins Street | Sweep | ND | |
| 77 | Hawkins Street School South side | Soil | ND | |
| 78 | Hawkins Street School Near steps on SE side | Sweep | NG | ND |
| 79 | Hawkins Street School Corland St. Parkway | Soil | ND | |
| 80 | Hawkins Street School Playground | Sweep | ND | |
| 81 | Reformed Trinity Church Yard behind house | Soil | ND | |
| 82 | Reformed Trinity Church Ferry Street side | Soil | ND | |
| 83 | Roosevelt Homes | Soil | ND | |
| 84 | Roosevelt Homes | Soil | ND | |
| 85 | QA Reference Material C (actual value = 0.0) | Soil | 3.6 C | |
| 86 | Roosevelt Homes | Soil | ND | |
| 87 | Roosevelt Homes | Soil | ND | |
| 88 | Unknown Blank | Soil | ND | |
| 89 | QA Reference Material B (actual value = 0.0) | Soil | ND | |
| 90 | Roosevelt Homes | Soil | ND | |
| 91 | Roosevelt Homes | Soil | ND | |

ND = Not Detected

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

C = Corrected for laboratory bias. Correction Factor = 1.24.

SECTION 6
TABLE 6 (cont'd)
ALL SAMPLES INCLUDING QA/QC
PUBLIC CONTACT AREAS
6/14/83 - 6/17/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|---|-------------|--------------------------|--------------|
| | | | Initial | Repeat |
| 92 | Roosevelt Homes | Soil | ND | |
| 93 | Known Blank (Matrix Spike) | | 1.7 C | |
| 94 | Roosevelt Homes | Soil | ND | |
| 95 | Roosevelt Homes | Soil | 0.20 C | |
| 96 | QA Reference Material C (actual value = 3.0) | Soil | 3.7 C | |
| 97 | QA Reference Material B (actual value = 0.0) | Soil | ND | |
| 98 | Roosevelt Homes | Soil | ND | |
| 99 | Roosevelt Homes | Soil | ND | |
| 100 | Roosevelt Homes | Soil | ND | |
| 101 | Roosevelt Homes | Soil | ND | |
| 102 | Roosevelt Homes | Soil | ND | ND duplicate |
| 103 | Roosevelt Homes | Soil | ND | |
| 104 | QA Reference Material B (actual value = 3.0) | Soil | ND | |
| 105 | QA Reference Material C (actual value = 3.0) | Soil | 3.3 C | |
| 106 | Roosevelt Homes | Soil | ND | |
| 107 | Roosevelt Homes | Soil | ND | |
| 108 | Roosevelt Homes | Soil | ND | |
| 109 | Roosevelt Homes | Soil | ND | |
| 110 | Roosevelt Homes | Soil | ND | |

ND = Not Detected

C = Corrected for laboratory bias. Correction Factor = 1.24.

SECTION 6
TABLE 6 (cont'd)
ALL SAMPLES INCLUDING QA/QC
PUBLIC CONTACT AREAS
6/14/83 - 6/17/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|---|-----------------------------------|--------------------------|---|
| | | | Initial | Repeat |
| 111 | Unknown Blank | Soil | ND | |
| 112 | Joseph Street Parkway in front of #68 | Sweep | 1.0 C | NG (ENV) NG (ENV) NG (ENV) 0.87 0.77 C duplicate 0.62 C triplicate |
| 113 | Joseph Street Parkway in front of #68 | Sweep | 1.4 C | NG (ENV) NG (ENV) NG (ENV) 1.2 C 1.4 C duplicate 0.76 C triplicate |
| 114 | Joseph Street Parkway in front of #68 | Soil | NG | 3.7 C 3.7 C duplicate |
| 115 | Joseph Street Parkway in front of #68 | Soil | 3.0 C | NG (ENV) NG (ENV) NG (ENV) 2.7 C 2.6 C duplicate 2.2 C triplicate |
| 116 | Unknown Blank | Soil | ND | |
| 117 | Joseph Street Parkway in front of #68 | Soil | 5.1 4.7 duplicate | NG (ENV) NG (ENV) NG (ENV) 3.8 C 4.3 C duplicate 4.3 C triplicate |
| 118 | QA Reference Material C (actual value = 3.0) | Soil | 3.6 C | |
| 119 | Farmer's Market Alderiso Bros., Inc. | Air conditioning filter sample | NG | |

ND = Not Detected
 NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.
 (ENV) = Samples analyzed by Envirodyne
 C = Corrected for laboratory bias. Correction Factor = 1.24.

SECTION 6
TABLE 6 (cont'd)
ALL SAMPLES INCLUDING QA/QC
PUBLIC CONTACT AREAS
6/14/83 - 6/17/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|---|-----------------------------------|--------------------------|--------|
| | | | Initial | Repeat |
| 120 | QA Reference Material B (actual value = 0.0) | Soil | ND | |
| 121 | Farmer's Market Mose Aimone & Son, Inc. | Air conditioning filter sample | ND | |
| 122 | Farmer's Market Frieman's | Air conditioning filter sample | NG | |
| 123 | Farmer's Market Donna Food's | Air conditioning filter sample | ND | |
| 124 | Farmer's Market Wohl, Shafman, Lieberman | Air conditioning filter sample | ND | |
| 125 | Farmer's Market Benny's Wholesale | Air conditioning filter sample | NG | |
| 126 | Farmer's Market Leo Davis & Son, Inc. | Air conditioning filter sample | ND | |
| 127 | Farmer's Market T. F. Aapicano | Air conditioning filter sample | ND | |
| 128 | QA Reference Material C (actual value = 3.0) | Soil | 3.8 C | |
| 129 | Farmer's Market State Produce | Air conditioning filter sample | ND | |
| 130 | Known Blank (Matrix Spike) | Soil | 1.3 C | |

ND = Not Detected

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

C = Corrected for laboratory bias. Correction Factor = 1.24.

SECTION 6
TABLE 6 (cont'd)
ALL SAMPLES INCLUDING QA/QC
PUBLIC CONTACT AREAS
6/14/83 - 6/17/83

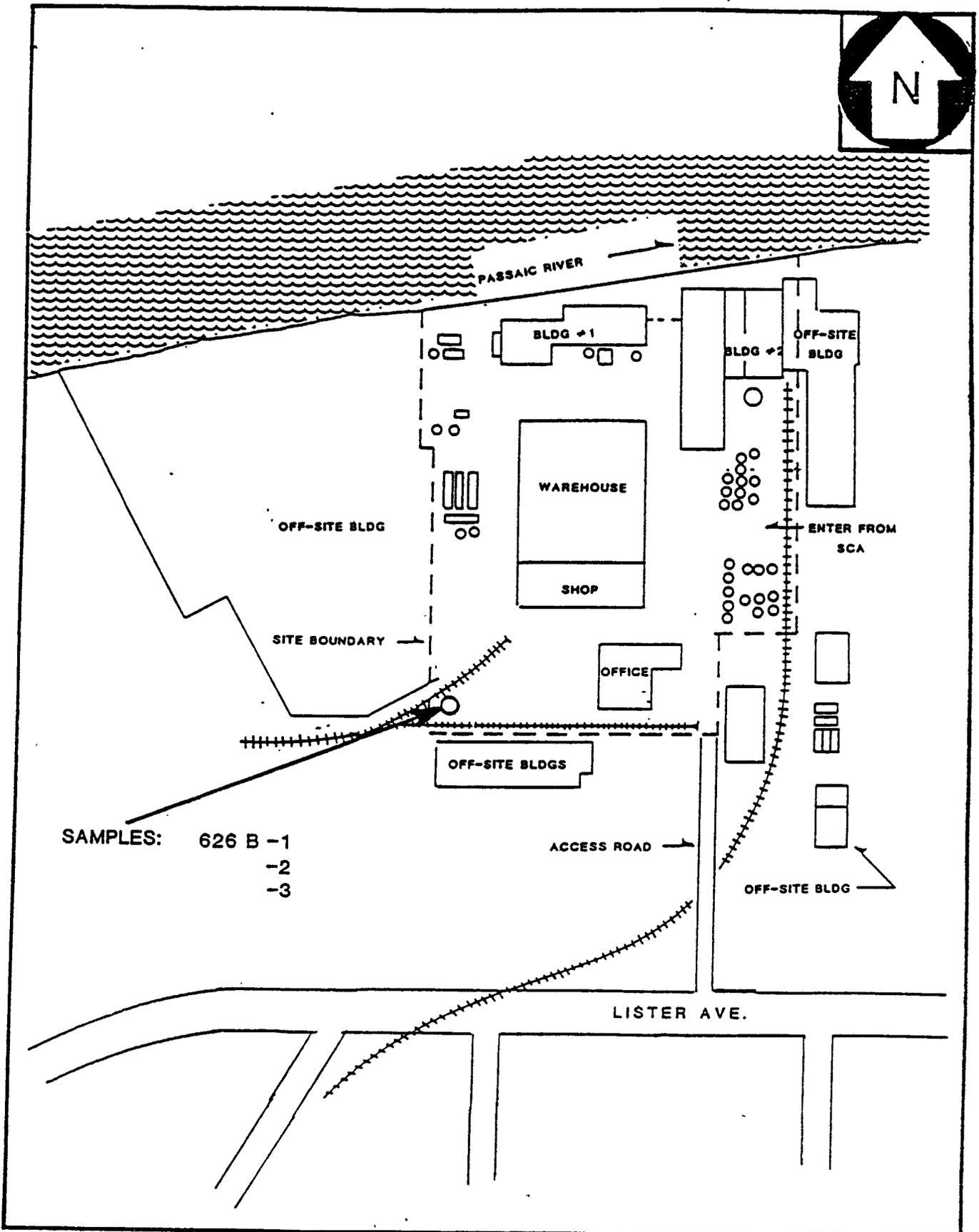
| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|---|-----------------------------------|--------------------------|--------|
| | | | Initial | Repeat |
| 131 | Farmer's Market Mueller Air Freight | Air conditioning filter sample | NG | |
| 132 | QA Reference Material B (actual value = 0.0) | Soil | ND | |
| 133 | Roosevelt Homes Bldg. 24, Apt. 2B | Vacuum bag | ND | |
| 134 | Roosevelt Homes Bldg. 24, Apt. 2C | Vacuum bag | ND | |
| 135 | Roosevelt Homes Bldg. 26, Apt. 2B | Vacuum bag | ND | |
| 136 | Roosevelt Homes Bldg. 25, Apt. 3A | Vacuum bag | NG | ND |
| 137 | Roosevelt Homes Bldg. 24, Apt. 3B | Vacuum bag | ND | |

ND = Not Detected

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

SECTION 7 INDEX
NATIVE SOIL

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NATIVE SAMPLE
LOCATION MAP

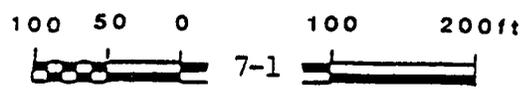


FIGURE 1



SECTION 7
 TABLE 1
 SAMPLES WITH CONCENTRATIONS 1 PPB OR GREATER
 NATIVE SOIL
 6/18/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|---------------------------------|-------------|--------------------------|--------|
| | | | Initial | Repeat |
| 626B-1 | 80 Lister Ave. (Native Soil) | Soil | 93 | C |
| 626B-2 | 80 Lister Ave. (Native Soil) | Soil | 81 | C |
| 626B-3 | 80 Lister Ave. (Native Soil) | Soil | 108 | C |

NOTES:

- (a) 3 samples were collected.
- (b) C = Corrected for laboratory bias. Correction factor = 1.24.

SECTION 7
TABLE 2
ALL SAMPLES INCLUDING QA/QC
NATIVE SOIL
6/18/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|-------------------------------------|-------------|--------------------------|--------|
| | | | Initial | Repeat |
| 626B-1 | 80 Lister Ave. (Native) | Soil | 93 C | |
| 626B-2 | 80 Lister Ave. (Native) | Soil | 81 C | |
| 626B-3 | 80 Lister Ave. (Native) | Soil | 108 C | |
| 626B-4 | QA Reference Material B | Soil | 0.47 C | |
| 626B-5 | QA Reference Material C | Soil | 3.5 C | |
| 626B-6 | Known Blank | Soil | 0.36 C | |
| 609B-A | 80 Lister Ave. (Native Dilution) | Soil | 7.1 C | |
| 609B-B | 80 Lister Ave. (Native Dilution) | Soil | 8.1 C | |
| 609B-C | 80 Lister Ave. (Native Dilution) | Soil | 9.4 C 7.9 C duplicate | |

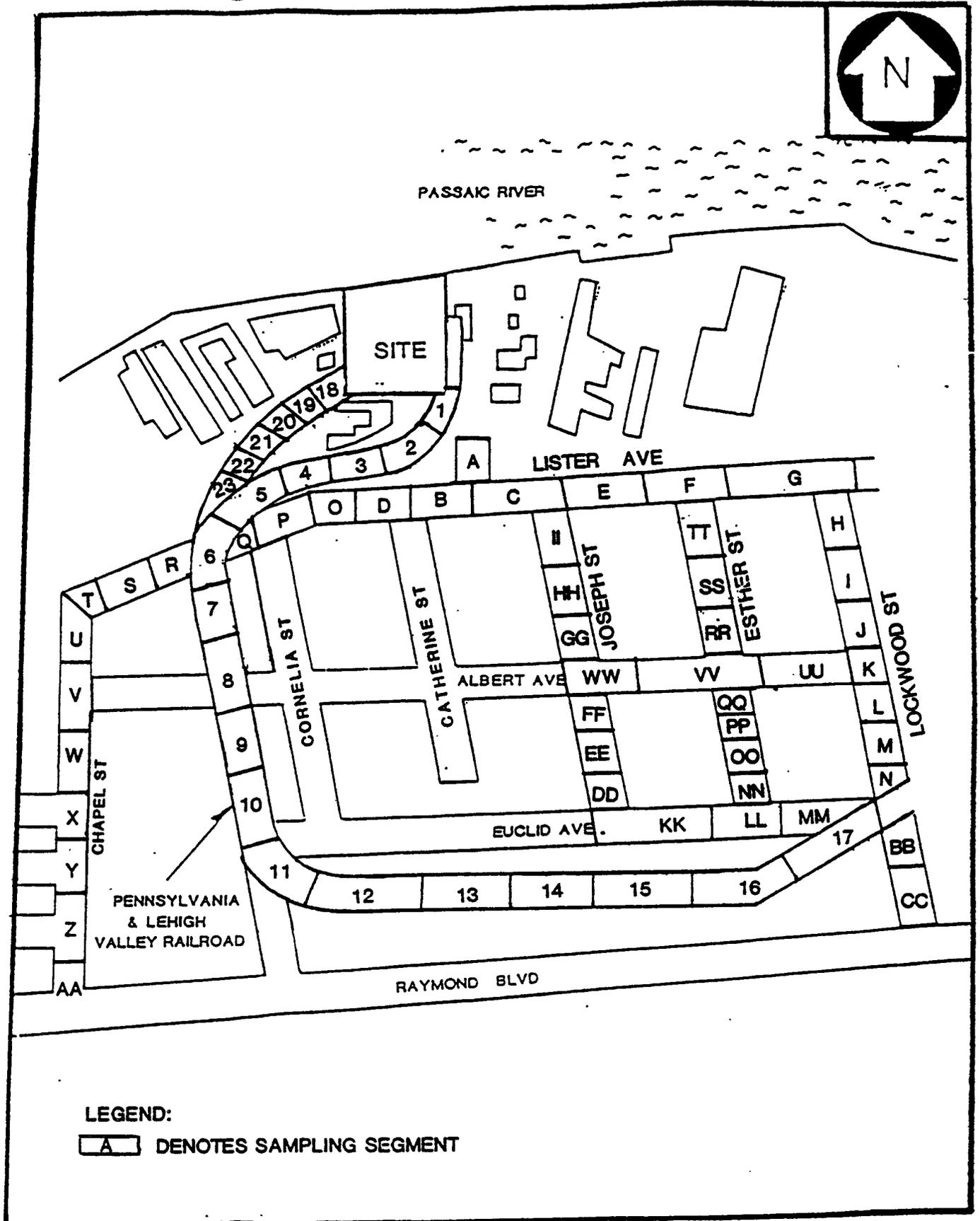
C = Corrected for laboratory bias. Correction factor = 1.24.

SECTION 8 INDEX
TRANSPORTATION ROUTES PHASE I

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| 8-21 | Table 11 (cont'd) |
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| 8-24 | Table 11 (cont'd) |
| 8-25 | Table 11 (cont'd) |
| 8-26 | Table 11 (cont'd) |
| 8-27 | Table 11 (cont'd) |
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| 8-29 | Table 11 (cont'd) |

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TRANSPORTATION ROUTES PHASE I

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| 8-34 | Table 11 (cont'd) |
| 8-35 | Table 11 (cont'd) |



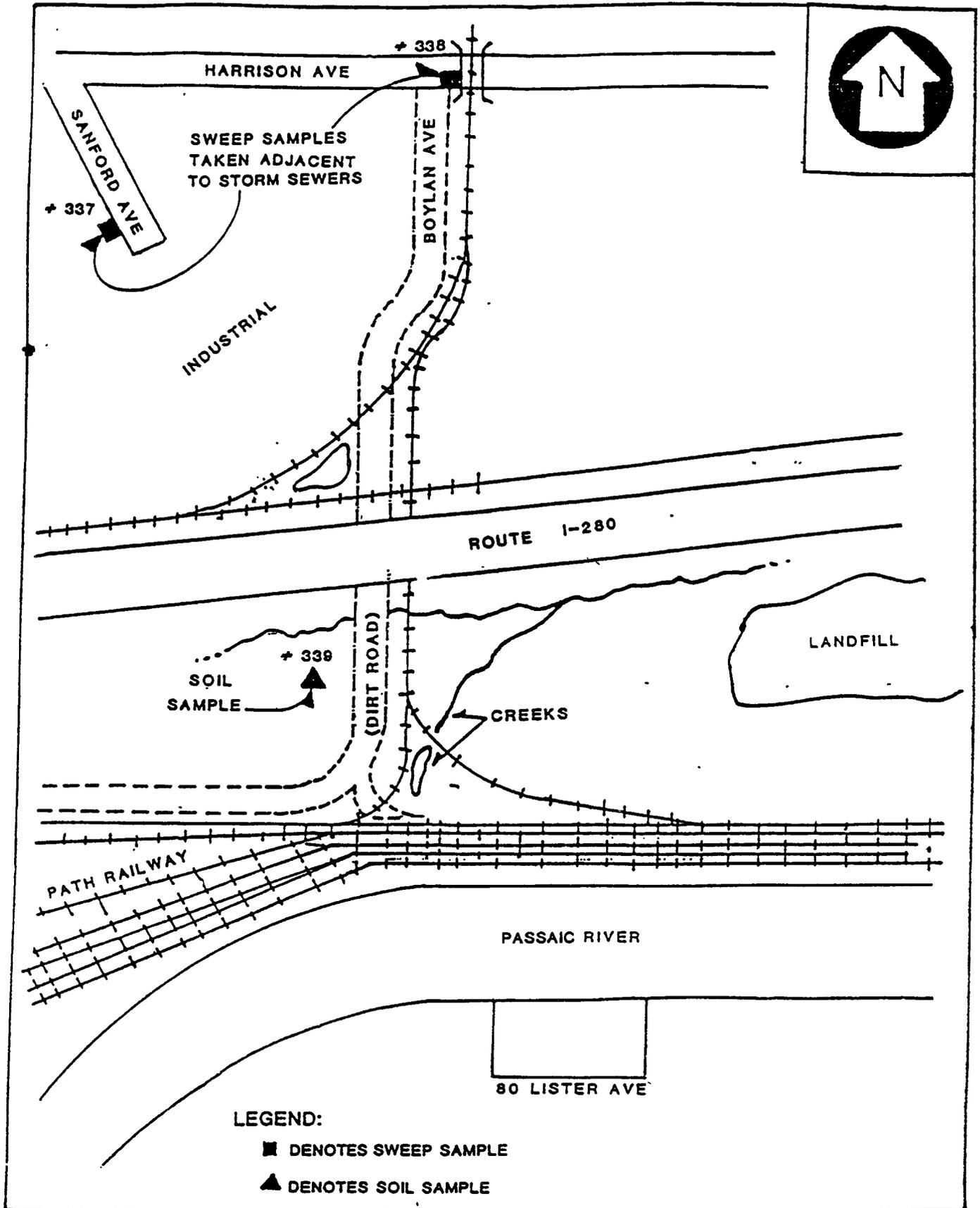
TRANSPORTATION ROUTE

FIGURE 1

SAMPLING SEGMENTS LOCATION MAP
 (NOT TO SCALE)

8-1





SAMPLE LOCATIONS
HARRISON, N.J.

FIGURE 2

(NOT TO SCALE)

SECTION 8
TABLE 1
SAMPLES WITH CONCENTRATIONS 1 PPB OR GREATER
TRANSPORTATION ROUTES
80 LISTER AVENUE DRIVEWAY
6/22/83 - 7/1/83

| SEGMENT | SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------|---------------|--|-------------------------|--------------------------|---|
| | | | | Initial | Repeat |
| "A" | 142 | 80 Lister Avenue Driveway-(R)- 36' from "O" | Composite (Soil-Sweep) | NG | 1.4 C |
| "A" | 143 | 80 Lister Avenue Driveway-(R)- 52' from "O" | Composite (Soil-Sweep) | NG | 5.0 C |
| "A" | 146 | 80 Lister Avenue Driveway-(B)- 55' from "O" | Composite (Soil-Sweep) | NG | 2.7 C |
| "A" | 148 | 80 Lister Avenue Driveway-(B)- 64' from "O" | Composite (Sweep-Sweep) | NG | 4.1 C |
| "A" | 151 | 80 Lister Avenue Driveway-(B)- 87' from "O" | Composite (Soil-Soil) | NG | 3.7 C 4.7 C 5.0 C 4.8 C duplicate |

NOTES:

- (a) 10 samples were collected.
- (b) 4 samples had no detection of TCDD.
- (c) 1 sample was detected below 1.00 ppb TCDD.
- (d) NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.
- (e) "O" denotes end point of segment closest to the site as one moves outward along the transportation route.
- (f) (R) denotes samples taken at a random distance from "O".
- (g) (B) denotes sample taken at a biased distance from "O".
- (h) C = Corrected for laboratory bias. Correction Factor = 1.24.

SECTION 8
TABLE 2
SAMPLES WITH CONCENTRATIONS 1 PPB OR GREATER
TRANSPORTATION ROUTES
LISTER AVENUE
6/12/83 - 7/1/83

| SEGMENT | SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------|---------------|-----------------------------------|------------------------|--------------------------|-----------|
| | | | | Initial | Repeat |
| "D" | 155 | Lister Avenue - (R)-52' from "O" | Composite (Soil-Soil) | NG | 1.5 C |
| "B" | 153 | Lister Avenue - (R)-26' from "O" | Composite (Soil-Soil) | NG | 1.6 C |
| "C" | 159 | Lister Avenue - (R)-37' from "O" | Composite (Soil-Sweep) | NG | 1.5 C |
| "C" | 163 | Lister Avenue - (B)-100' from "O" | Composite (Soil-Soil) | NG(ENV) | 1.4 (BAT) |

NOTES:

- (a) 28 samples were collected.
- (b) 9 samples had no detection of TCDD.
- (c) 14 samples were detected below 1.00 ppb TCDD.
- (d) NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.
- (e) (BAT) = sample analyzed by Battelle.
- (f) "O" denotes end point of segment closest to the site as one moves outward along the transportation route.
- (g) (R) denotes samples taken at a random distance from "O".
- (h) (B) denotes sample taken at a biased distance from "O".
- (i) C = Corrected for laboratory bias. Correction Factor = 1.24.

SECTION 8
TABLE 3
SAMPLES WITH CONCENTRATIONS 1 PPB OR GREATER
TRANSPORTATION ROUTES
JOSEPH STREET
6/22/83 - 7/1/83

| SEGMENT | SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------|---------------|-----------------|-------------|--------------------------|--------|
| | | | | Initial | Repeat |

No samples with concentrations 1 ppb or greater.

NOTES:

- (a) 12 samples were collected.
- (b) 2 samples had no detection of TCDD.
- (c) 1 samples did not pass EPA Monitoring Management Branch QA/QC requirements.
- (d) 9 samples were detected below 1.00 ppb TCDD.

SECTION 8
TABLE 4
SAMPLES WITH CONCENTRATIONS 1 PPB OR GREATER
TRANSPORTATION ROUTES
ESTHER STREET
6/22/83 - 7/1/83

| SEGMENT | SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------|---------------|-----------------------------------|-------------------------|--------------------------|--------|
| | | | | Initial | Repeat |
| "SS" | 206 | Esther Street (B)-130' from "O" | Composite (Soil-Sweep) | ND | 1.4 C |
| "RR" | 226 | Esther Street - (R)-32' from "O" | Composite (Sweep-Sweep) | 7.3 C | |
| "QQ" | 220 | Esther Street - (B)-111' from "O" | Composite (Soil-Soil) | 1.2 C | |
| "OO" | 221 | Esther Street (R)-154' from "O" | Composite (Soil-Soil) | 2.0 C | |
| "NN" | 242 | Esther Street (R)-25' from "O" | Composite (Soil-Soil) | 2.7 C | |

NOTES:

- (a) 14 samples were collected.
- (b) 9 samples had no detection of TCDD.
- (c) 1 sample did not pass EPA Monitoring Management Branch QA/QC requirements.
- (d) ND = Not Detected
- (e) "O" denotes end point of segment closest to the site as one moves outward along the transportation route.
- (f) (R) denotes samples taken at a random distance from "O".
- (g) (B) denotes sample taken at a biased distance from "O".
- (h) C = Corrected for laboratory bias. Correction Factor = 1.24.

**SECTION 8
TABLE 5
SAMPLES WITH CONCENTRATIONS 1 PPB OR GREATER
TRANSPORTATION ROUTES
LOCKWOOD STREET
6/22/83 - 7/1/83**

| SEGMENT | SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------|---------------|-------------------------------------|------------------------|--------------------------|-----------------------------|
| | | | | Initial | Repeat |
| "K" | 214 | Lockwood Street (R)-112' from "O" | Composite (Soil-Sweep) | NG | 1.2 C 1.5 C duplicate |
| "L" | 232 | Lockwood Street - (B)-149' from "O" | Composite (Soil-Sweep) | 2.1 C | 3.2 C |
| "M" | 233 | Lockwood Street - (R)-24' from "O" | Composite (Soil-Sweep) | 1.9 C | |
| "M" | 234 | Lockwood Street - (B)-157' from "O" | Composite (Soil-Sweep) | 2.9 C | |
| "N" | 252 | Lockwood Street - (R)-14' from "O" | Composite (Soil-Sweep) | 2.6 C | |
| "N" | 250 | Lockwood Street - (B)-29' from "O" | Composite (Soil-Sweep) | 2.5 C | |
| "BB" | 249 | Lockwood Street - (R)-80' from "O" | Composite (Soil-Sweep) | 2.9 C | |
| "BB" | 243 | Lockwood Street - (B)-129' from "O" | Composite (Soil-Sweep) | 62 C | 25 C |
| "CC" | 246 | Lockwood Street - (R)-36' from "O" | Composite (Soil-Soil) | 3.4 C | |
| "CC" | 247 | Lockwood Street - (B)-41' from "O" | Composite (Soil-Soil) | 4.1 C | |

NOTES:

- (a) 18 samples were collected.
- (b) 6 samples had no detection of TCDD.
- (c) 2 samples were detected below 1.00 ppb TCDD.
- (d) 1 sample did not pass EPA Monitoring Management Branch QA/QC requirements.
- (e) NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.
- (f) "O" denotes end point of segment closest to the site as one moves outward along the transportation route.
- (g) (R) denotes samples taken at a random distance from "O".
- (h) (B) denotes sample taken at a biased distance from "O".
- (i) C = Corrected for laboratory bias. Correction Factor - 1.24.

**SECTION 8
TABLE 6
SAMPLES WITH CONCENTRATIONS 1 PPB OR GREATER
TRANSPORTATION ROUTES
ALBERT AVENUE
6/22/83 - 7/1/83**

| SEGMENT | SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------|---------------|-------------------------------------|-------------------------|--------------------------|-----------|
| | | | | Initial | Repeat |
| "WW" | 276 | Albert Avenue - (R) - 54' from "O" | Composite (Soil-Soil) | NG (ENV) | 1.4 (BAT) |
| "UU" | 278 | Albert Avenue - (B) - 177' from "O" | Composite (Sweep-Sweep) | NG (ENV) | 1.3 (BAT) |

NOTES:

- (a) 6 samples were collected.
- (b) 3 samples were detected below 1.00 ppb TCDD.
- (c) 1 sample did not pass EPA Monitoring Management Branch QA/QC requirements.
- (d) NG = did not pass EPA Monitoring Management Branch QA/QC requirements.
- (e) (ENV) = sample analyzed by Envirodyne.
- (f) (BAT) = sample analyzed by Battelle.
- (g) C = Corrected for laboratory bias. Correction Factor = 1.24.

SECTION 8
TABLE 7
SAMPLES WITH CONCENTRATIONS 1 PPB OR GREATER
TRANSPORTATION ROUTES
EUCLID AVENUE
6/22/83 - 7/1/83

| SEGMENT | SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------|---------------|----------------------------------|-------------------------|--------------------------|--------|
| | | | | Initial | Repeat |
| "LL" | 255 | Euclid Avenue - (B)-92' from "O" | Composite (Soil-Soil) | 2.2 C | |
| "MM" | 253 | Euclid Avenue - (B)-51' from "O" | Composite (Soil-Sweep) | 2.6 C 2.6 C duplicate | |
| "MM" | 254 | Euclid Avenue - (R)-76' from "O" | Composite (Sweep-Sweep) | 5.2 C | |

NOTES:

- (a) 6 samples were collected.
- (b) 1 sample had no detection of TCDD.
- (c) 2 samples were detected below 1.00 ppb TCDD.
- (d) "O" denotes end point of segment closest to the site as one moves outward along the transportation route.
- (e) (R) denotes samples taken at a random distance from "O".
- (f) (B) denotes sample taken at a biased distance from "O".
- (g) C = Corrected for laboratory bias. Correction Factor = 1.24.

**SECTION 8
TABLE 8
SAMPLES WITH CONCENTRATIONS 1 PPB OR GREATER
TRANSPORTATION ROUTES
CHAPEL STREET
6/22/83 - 7/1/83**

| SEGMENT | SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------|------------------|--------------------|----------------|-----------------------------|--------|
| | | | | Initial | Repeat |

No samples with concentrations 1 ppb or greater.

NOTES:

- (a) 14 samples were collected.
- (b) 7 samples had no detection of TCDD.
- (c) 0 samples did not pass EPA Monitoring Management Branch QA/QC requirements.
- (d) 7 samples were detected below 1.00 ppb TCDD.

SECTION 8
TABLE 9
SAMPLES WITH CONCENTRATIONS 1 PPB OR GREATER
TRANSPORTATION ROUTES
RAILROADS
6/22/83 - 7/1/83

| SEGMENT | SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------|---------------|-------------------------------|-------------------------|--------------------------|--------|
| | | | | Initial | Repeat |
| "1" | 288 | Railroad - (B)-17' from "O" | Composite (Sweep-Sweep) | NG | 2.4 C |
| "1" | 297 | Railroad - (B) - 47' from "O" | Composite (Soil-Soil) | NG | 4.7 C |
| "1" | 291 | Railroad - (B) - 64' from "O" | Composite (Soil-Soil) | NG | 1.5 C |
| "1" | 293 | Railroad - (R) - 78' from "O" | Composite (Soil-Soil) | NG | 8.6 C |
| "2" | 309 | Railroad - (B)-74' from "O" | Composite (Soil-Soil) | 12. C | |
| "2" | 307 | Railroad - (R)-92' from "O" | Composite (Soil-Soil) | 4.2 C 4.2 C duplicate | |
| "3" | 310 | Railroad - (B)-33' from "O" | Composite (Soil-Soil) | 2.9 C | |
| "3" | 311 | Railroad - (R)-56' from "O" | Composite (Soil-Soil) | 3.1 C | |
| "4" | 285 | Railroad - (B)-130' from "O" | Composite (Soil-Soil) | 1.4 C | |
| "9" | 314 | Railroad - (B)-177' from "O" | Composite (Soil-Soil) | 2.1 C | |
| "12" | 324 | Railroad - (B)-81' from "O" | Composite (Soil-Soil) | 8.8 C | |
| "14" | 334 | Railroad - (R)-98' from "O" | Composite (Soil-Soil) | 2.5 C | |
| "14" | 333 | Railroad - (B)-144' from "O" | Composite (Soil-Soil) | 3.5 C | |

NG = Did not pass EPA Monitoring Management QA/QC requirements.
C = Corrected for laboratory bias. Correction Factor = 1.24.

SECTION 8
TABLE 9 (cont'd)
SAMPLES WITH CONCENTRATIONS 1 PPB OR GREATER
TRANSPORTATION ROUTES
RAILROADS
6/22/83 - 7/1/83

| SEGMENT | SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------|---------------|------------------------------|-----------------------|--------------------------|----------|
| | | | | Initial | Repeat |
| "15" | 330 | Railroad - (R)-38' from "O" | Composite (Soil-Soil) | 8.7 C | |
| "15" | 328 | Railroad - (B)-163' from "O" | Composite (Soil-Soil) | 29 C | |
| "16" | 322 | Railroad - (B)-49' from "O" | Composite (Soil-Soil) | 645 C | 558 C |
| "16" | 323 | Railroad - (B)-81' from "O" | Composite (Soil-Soil) | 260 C | 236 C |
| "17" | 335 | Railroad - (B)-42' from "O" | Composite (Soil-Soil) | 14 C | |
| "18" | 346 | Railroad - (R)-3' from "O" | Composite (Soil-Soil) | 11 C | |
| "18" | 343 | Railroad - (B)-15' from "O" | Composite (Soil-Soil) | 1.5 C | |
| "18" | 344 | Railroad - (B)-24' from "O" | Composite (Soil-Soil) | 4.1 C | |
| "18" | 349 | Railroad - (B)-44' from "O" | Composite (Soil-Soil) | 1.5 C | |
| "18" | 348 | Railroad - (R)-52' from "O" | Composite (Soil-Soil) | 1.4 C | |
| "18" | 347 | Railroad - (B)-65' from "O" | Composite (Soil-Soil) | 7.1 C | |
| "18" | 356 | Railroad - (R)-72' from "O" | Composite (Soil-Soil) | 8.4 C | NG (ENV) |

NG = Did not pass EPA Monitoring Management QA/QC requirements.

(ENV) = Sample analyzed by Envirodyne.

C = Corrected for laboratory bias. Correction Factor = 1.24.

SECTION 8
TABLE 9 (cont'd)
SAMPLES WITH CONCENTRATIONS 1 PPB OR GREATER
TRANSPORTATION ROUTES
RAILROADS
6/22/83 - 7/1/83

| SEGMENT | SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------|---------------|-----------------------------|-------------------------|--------------------------|----------|
| | | | | Initial | Repeat |
| "18" | 357 | Railroad - (B)-82' from "O" | Composite (Soil-Soil) | 2.1 C | NG (ENV) |
| "18" | 352 | Railroad - (R)-98' from "O" | Composite (Soil-Soil) | 24 C | |
| "19" | 366 | Railroad - (B)-22' from "O" | Composite (Soil-Soil) | 3.8 C | |
| "19" | 365 | Railroad - (R)-40' from "O" | Composite (Soil-Soil) | 4.5 C | |
| "19" | 362 | Railroad - (B)-78' from "O" | Composite (Sweep-Sweep) | 1.6 C | |
| "23" | 372 | Railroad - (R)-32' from "O" | Composite (Soil-Soil) | 1.7 C | NG (ENV) |

NOTES:

- (a) 65 samples were collected.
- (b) 11 samples had no detection of TCDD.
- (c) 3 samples did not pass EPA Monitoring Management Branch QA/QC requirements.
- (d) 20 samples were detected below 1.00 ppb TCDD.
- (e) (ENV) = Sample analyzed by Envirodyne.
- (f) "O" denotes end point of segment closest to the site as one moves outward along the transportation route.
- (g) (R) denotes samples taken at a random distance from "O".
- (h) (B) denotes sample taken at a biased distance from "O".
- (i) C = Corrected for laboratory bias. Correction Factor = 1.24.

SECTION 8
TABLE 10
SAMPLES WITH CONCENTRATIONS 1 PPB OR GREATER
TRANSPORTATION ROUTES
HARRISON
6/22/83 - 7/1/83

| SEGMENT | SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------|---------------|-----------------|-------------|--------------------------|--------|
| | | | | Initial | Repeat |

No samples with concentrations 1 ppb or greater.

NOTES:

- (a) 3 samples were collected.
- (b) 2 samples had no detection of TCDD.
- (c) 1 sample was detected below 1.00 ppb TCDD.

SECTION 8
TABLE 11
ALL SAMPLES INCLUDING QA/QC
TRANSPORTATION ROUTES
6/22/83 - 7/1/83

"0" denotes end point of segment closest to the site as one moves outward along the transportation route.

(R) denotes samples taken at a random distance from "0".

(B) denotes sample taken at a biased distance from "0".

-ALL SOIL-

| SAMPLE NUMBER | SAMPLE LOCATIONS | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|--|---------------------------|-----------------------------|------------------|
| | | | Initial | Repeat |
| 138 | 80 Lister Avenue Driveway - Segment "A" (R) - 3' from "0" | Composite (Soil-Sweep) | NG | ND NG duplica |
| 139 | 80 Lister Avenue Driveway - Segment "A" (B) - 9' from "0" | Composite (Soil-Sweep) | NG | ND ND |
| 140 | 80 Lister Avenue Driveway - Segment "A" (B) - 25' from "0" | Composite (Soil-Sweep) | NG | ND |
| 141 | Unknown Blank | Soil | ND | |
| 142 | 80 Lister Avenue Driveway - Segment "A" (R) - 36' from "0" | Composite (Soil-Sweep) | NG | 1.4 C |
| 143 | 80 Lister Avenue Driveway - Segment "A" (R) - 52' from "0" | Composite (Soil-Sweep) | NG | 5.0 C |
| 144 | QA Reference Material C (actual value = 3.0) | Soil | 2.6 | 3.2 C |
| 145 | QA Reference Material B (actual value = 0.0) | Soil | ND | |

ND = Not detected

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

C = Corrected for laboratory bias. Correction Factor = 1.24.

SECTION 8
TABLE 11 (cont'd)
ALL SAMPLES INCLUDING QA/QC
TRANSPORTATION ROUTES
6/22/83 - 7/1/83

| SAMPLE NUMBER | SAMPLE LOCATIONS | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|--|---------------------------|-----------------------------|--|
| | | | Initial | Repeat |
| 146 | 80 Lister Avenue Driveway - Segment "A" (B) - 55' from "0" | Composite (Soil-Sweep) | NG | 2.7 C |
| 147 | 80 Lister Avenue Driveway - Segment "A" (R) - 76' from "0" | Composite (Soil-Sweep) | NG | ND |
| 148 | 80 Lister Avenue Driveway - Segment "A" (B) - 64' from "0" | Composite (Soil-Sweep) | NG | 4.1 C |
| 149 | 80 Lister Avenue Driveway - Segment "A" (R) - 98' from "0" | Composite (Soil-Sweep) | NG | 0.74 C |
| 150 | Lister Avenue - Segment "B" (B) - 45' from "0" | Composite (Soil-Soil) | NG | ND 1.2 C |
| 151 | 80 Lister Avenue Driveway Segment "A" (B) - 87' from "0" | Composite (Soil-Soil) | NG | 3.7 C 4.7 C 5.0 C 3.9 duplicate 4.8 C |
| 152 | Lister Avenue - Segment "B" (R) - 73' from "0" | Composite (Soil-Soil) | NG | 1.2 C |
| 153 | Lister Avenue - Segment "B" (R) - 26' from "0" | Composite | NG | 1.6 C |
| 154 | Lister Avenue - Segment "B" (B) - 93' from "0" | Composite (Soil-Soil) | NG | ND |
| 155 | Lister Avenue - Segment "D" (R) - 52' from "0" | Composite (Soil-Soil) | NG | 1.5 C |
| 156 | Lister Avenue - Segment "D" (B) - 22' from "0" | Composite | ND | |

ND = Not Detected.

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

C = Corrected for laboratory bias. Correction Factor = 1.24.

SECTION 8
TABLE 11 (cont'd)
ALL SAMPLES INCLUDING QA/QC
TRANSPORTATION ROUTES
6/22/83 - 7/1/83

| SAMPLE NUMBER | SAMPLE LOCATIONS | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|---|---------------------------|-----------------------------|------------|
| | | | Initial | Repeat |
| 157 | QA Reference Material B (actual value = 0) | Soil | ND | |
| 158 | QA Reference Material C (actual value = 3.0) | Soil | 2.6 C | |
| 159 | Lister Avenue - Segment "C" (R) - 37' from "0" | Composite (Soil-Sween) | NG | 1.5 C |
| 160 | Lister Avenue - Segment "C" (B) - 18' from "0" | Composite (Soil-Sweep) | NG | ND |
| 161 | Known Blank (Matrix Spike) | Soil | 1.3 C 1.2 C duplicate | |
| 162 | Lister Avenue - Segment "C" (R) - 66' from "0" | Composite (Soil-Sweep) | NG (ENV) | 0.44 (BAT) |
| 163 | Lister Avenue - Segment "C" (B) - 18' from "0" | Composite (Soil-Sweep) | NG (ENV) | 1.39 (BAT) |
| 164 | Known Blank (Matrix Spike) | Soil | NG (ENV) | 1.46 (BAT) |
| 165 | Lister Avenue - Segment "E" (R) - 31' from "0" | Composite (Soil-Sweep) | NG (ENV) | 0.34 (BAT) |
| 166 | QA Reference Material C (actual value = 3.0) | Soil | NG (ENV) | |

ND = Not Detected.

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

(ENV) = Sample analyzed by Envirodyne.

(BAT) = Sample analyzed by Battelle.

C = Corrected for laboratory bias. correction Factor = 1.24.

SECTION 8
TABLE 11 (cont'd)
ALL SAMPLES INCLUDING QA/QC
TRANSPORTATION ROUTES
6/22/83 - 7/1/83

| SAMPLE NUMBER | SAMPLE LOCATIONS | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|--|----------------------------|-----------------------------|------------------|
| | | | Initial | Repeat |
| 166A | QA Reference Material A (Native) | Soil | | 5.7 (BAT) |
| 167 | QA Reference Material B (actual value = 0.0) | Soil | NG (ENV) | |
| 168 | Lister Avenue - Segment "E" (B) - 87' from "0" | Composite (Soil-Sweep) | NG (ENV) | 0.39 (B T) |
| 169 | Chapel Street - Segment "W" (R) - 152' from "0" | Composite (Sweep-Sweep) | NG (ENV) | 0.11 (BAT) |
| 170 | Chapel Street - Segment "W" (B) - 57' from "0" | Composite (Sweep-Sweep) | NG (ENV) | NG 0.50 (BAT) |
| 171 | Chapel Steet - Segment "V" (R) - 94' from "0" | Composite (Soil-Sweep) | NG (ENV) | 0.09 (BAT) |
| 172 | Chapel Street - Segment "V" (B) - 54' from "0" | Composite (Sweep-Sweep) | NG (ENV) | 0.20 (BAT) |
| 173 | Lister Avenue - Segment "O" (B) - 38' from "0" | Composite (Sweep-Sweep) | NG (ENV) | 0.26 (BAT) |
| 174 | Lister Avenue - Segment "P" (P) - 148' from "0" | Composite (Sweep-Sweep) | NG (ENV) | 0.41 (BAT) |
| 175 | Lister Avenue - Segment "P" (B) - 76' from "0" | Composite (Sweep-Sweep) | NG | ND |
| 176 | Lister Avenue - Segment "O" (R) - 112' from "0" | Composite (Sweep-Sweep) | NG (ENV) | 0.32 (BAT) |
| 177 | QA Reference Material C (actual value = 3.0) | Soil | NG (ENV) | |
| 177A | QA Reference Material A (Native) | Soil | NG (BAT) | |

ND = Not Detected

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

(ENV) = Sample analyzed by Envirodyne.

(BAT) = Sample analyzed by Battelle.

SECTION 8
TABLE 11 (cont'd)
ALL SAMPLES INCLUDING QA/QC
TRANSPORTATION ROUTES
6/22/83 - 7/1/83

| SAMPLE NUMBER | SAMPLE LOCATIONS | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|--|----------------------------|-----------------------------------|---------------------------------------|
| | | | Initial | Repeat |
| 178 | Chapel Street - Segment "Y" (B) - 181' from "O" | Composite (Sweep-Sweep) | NG (ENV) | 0.09 (BAT) |
| 179 | Chapel Street - Segment "Y" (R) - 84' from "O" | Composite (Soil-Soil) | NG (ENV) NG (ENV) duplicate | ND NG (BAT) |
| 180 | Chapel Street - Segment "X" (B) - 198' from "O" | Composite (Soil-Soil) | NG (ENV) | 0.20 (BAT) |
| 181 | Chapel Street - Segment "X" (R) - 118' from "O" | Composite (Soil-Sweep) | NG (ENV) | 0.16 (BAT) 0.14 (BAT) duplicate |
| 182 | Lister Avenue - Segment "R" (B) - 70' from "O" | Composite (Sweep-Sweep) | NG (ENV) | ND (BAT) |
| 183 | Lister Avenue - Segment "R" (R) - 2' from "O" | Composite (Sweep-Sweep) | NG (ENV) | 0.59 (BAT) |
| 184 | QA Reference Material B (actual value = 0.0) | Soil | NG (ENV) | |
| 184A | QA Reference Material A (Native) | Soil | NG (ENV) | |
| 185 | Lister Avenue - Segment "Q" (B) - 115' from "O" | Composite (Sweep-Sweep) | NG (ENV) | |
| 186 | Unknown Blank | Soil | NG | ND |
| 187 | Lister Avenue - Segment "Q" (R) - 44' from "O" | Composite (Sweep-Sweep) | NG | ND |
| 188 | QA Reference Material D (Region VII) | Soil | Lost sample will be re-run | 3.8 C |

ND = Not Detected

NG = Did not pass EPA Monitoring Management QA/QC requirements.

(ENV) = Sample analyzed by Envirodyne.

(BAT) = Sample analyzed by Battelle.

C = Corrected for laboratory bias. Correction factor = 1.24.

SECTION 8
TABLE 11 (cont'd)
ALL SAMPLES INCLUDING QA/QC
TRANSPORTATION ROUTES
6/22/83 - 7/1/83

| SAMPLE NUMBER | SAMPLE LOCATIONS | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|--|----------------------------|---|--------------------|
| | | | Initial | Repeat |
| 189 | Unknown Blank | Soil | NG (ENV) | ND (BAT) |
| 190 | Chapel Street - Segment "AA" (B) - 84' from "O" | Composite (Sweep-Sweep) | NG | ND |
| 191 | Chapel Street - Segment "AA" (R) - 36' from "O" | Composite (Soil-Sweep) | NG | ND ND duplicate |
| 192 | QA Reference Material A (Native) | Soil | Not enough sample, will be re-run | 7.7 C |
| 193 | Chapel Street - Segment "Z" (B) - 100' from "O" | Composite (Sweep-Sweep) | NG | ND |
| 194 | Chapel Street - Segment "Z" (R) - 42' from "O" | Composite (Sweep-Sweep) | NG | ND |
| 195 | Lister Avenue - Segment "T" (R) - 124' from "O" | Sweep | NG | ND |
| 196 | Lister Avenue - Segment "S" (B) - 80' from "O" | Composite (Sweep-Sweep) | NG | ND |
| 197 | Lister Avenue - Segment "S" (R) - 120' from "O" | Composite (Sweep-Sweep) | NG NG duplicate | ND |
| 198 | Lister Avenue - Segment "T" (B) - 79' from "O" | Composite (Sweep-Sweep) | NG | ND |
| 199 | Chapel Street - Segment "U" (B) - 145' from "O" | Composite (Soil-Sweep) | NG | ND |
| 200 | QA Reference Material D (Region VII) | Soil | Not enough sample, will be re-run | 4.2 C |

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

ND = Not Detected

(ENV) = Sample analyzed by Envirodyne.

(BAT) = Sample analyzed by Battelle.

C = Corrected for laboratory bias. Correction factor = 1.24.

SECTION 8
TABLE 11 (cont'd)
ALL SAMPLES INCLUDING QA/QC
TRANSPORTATION ROUTES
6/22/83 - 7/1/83

| SAMPLE NUMBER | SAMPLE LOCATIONS | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|---|----------------------------|---|------------------|
| | | | Initial | Repeat |
| 201 | Chapel Street - Segment "U" (R) - 72' from "O" | Composite (Sweep-Sweep) | NG | ND |
| 202 | Lister Avenue - Segment "F" (R) - 84' from "O" | Composite (Soil-Sweep) | 0.50 C | |
| 203 | Lister Avenue - Segment "G" (R) - 170' from "O" | Composite (Soil-Sweep) | 0.84 C | |
| 204 | Lister Avenue - Segment "F" (B) - 154' from "O" | Composite (Soil-Sweep) | 0.25 C | |
| 205 | Lister Avenue - Segment "G" (B) - 55' from "O" | Composite (Sweep-Sweep) | 0.17 C | |
| 206 | Esther Street - Segment "G" (B) - 130' from "O" | Composite (Soil-Sweep) | NG | 1.4 |
| 207 | Known Blank (Matrix Spike) | Soil | NG | 1.2 C |
| 208 | QA Reference Material A (Native) | Soil | Not enough, sample, will be re-run | 6.3 C |
| 209 | Esther Street - Segment "SS" (R) - 98' from "O" | Composite (Soil-Sweep) | NG | ND |
| 210 | QA Reference Material C (actual value = 3.0) | Soil | 3.4 C | |
| 211 | Esther Street - Segment "TT" (B) - 138' from "O" | Composite (Soil-Sweep) | NG | ND NG duplic. |
| 212 | Esther Street - Segment "TT" (R) - 58' from "O" | Composite (Soil-Soil) | ND | |

ND = Not Detected

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

C = Corrected for laboratory bias. Correction factor = 1.24.

SECTION 8
TABLE 11 (cont'd)
ALL SAMPLES INCLUDING QA/QC
TRANSPORTATION ROUTES
6/22/83 - 7/1/83

| SAMPLE NUMBER | SAMPLE LOCATIONS | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|--|----------------------------|-----------------------------|----------------------|
| | | | Initial | Repeat |
| 213 | QA Reference Material B (actual value = 0.0) | Soil | ND | |
| 214 | Lockwood Street - Segment "K" (R) - 112' from "O" | Composite (Soil-Sweep) | NG | 1.2 C 1.5 C dupli |
| 215 | Lockwood Street - Segment "H" (R) - 16' from "O" | Composite (Sweep-Sweep) | ND | |
| 216 | Unknown Blank | Soil | ND | |
| 217 | Lockwood Street - Segment "I" (B) - 147' from "O" | Composite (Sweep-Sweep) | ND | |
| 218 | Lockwood Street - Segment "H" (B) - 73' from "O" | Composite (Soil-Sweep) | ND | |
| 219 | Lockwood Street - Segment "I" (R) - 86' from "O" | Composite (Sweep-Sweep) | ND NG duplicate | |
| 220 | Esther Street - Segment "QQ" (B) - 111' from "O" | Composite (Soil-Soil) | 1.2 C | |
| 221 | Esther Street - Segment "OO" (R) - 154' from "O" | Composite (Soil-Soil) | 2.0 C | |
| 222 | Esther Street - Segment "QQ" (R) - 170' from "O" | Composite (Soil-Soil) | ND | |
| 223 | Esther Street - Segment "RR" (B) - 132' from "O" | Composite (Soil-Sweep) | ND | |
| 224 | Known Blank (Matrix Spike) | Soil | 1.2 C | |

ND = Not Detected

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

C = Corrected for laboratory bias. Correction factor = 1.24.

SECTION 8
TABLE 11 (cont'd)
ALL SAMPLES INCLUDING QA/QC
TRANSPORTATION ROUTES
6/22/83 - 7/1/83

| SAMPLE NUMBER | SAMPLE LOCATIONS | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|--|----------------------------|-----------------------------|--------|
| | | | Initial | Repeat |
| 225 | QA Reference Material C (actual value = 3.0) | Soil | 3.0 C | |
| 226 | Esther Street - Segment "RR" (R) - 32' from "O" | Composite (Sweep-Sweep) | 7.3 C | |
| 227 | Esther Street - Segment "PP" (B) - 187' from "O" | Composite (Soil-Sweep) | ND | |
| 228 | Lockwood Street - Segment "J" (B) - 29' from "O" | Composite (Sweep-Sweep) | ND | |
| 229 | QA Reference Material B (actual value = 0.0) | Soil | ND | |
| 230 | Lockwood Street - Segment "J" (R) - 124' from "O" | Composite (Sweep-Sweep) | 1.1 C | |
| 231 | Lockwood Street - Segment "K" (B) - 22' from "O" | Composite (Sweep-Sweep) | ND | |
| 232 | Lockwood Street - Segment "L" (B) - 149' from "O" | Composite (Soil-Sweep) | 2.1 C | 3.2 C |
| 233 | Lockwood Street - Segment "M" (R) - 24' from "O" | Composite (Soil-Soil) | 1.9 C | |
| 234 | Lockwood Street - Segment "M" (B) - 157' from "O" | Composite (Soil-Sweep) | 2.9 C | |
| 235 | Esther Street - Segment "PP" (R) - 48' from "O" | Composite (Soil-Sweep) | ND | |

ND = Not Detected

C = Corrected for laboratory bias. Correction factor = 1.24.

SECTION 8
TABLE 11 (cont'd)
ALL SAMPLES INCLUDING QA/QC
TRANSPORTATION ROUTES
6/22/83 - 7/1/83

| SAMPLE NUMBER | SAMPLE LOCATIONS | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|--|---------------------------|-----------------------------|--------|
| | | | Initial | Repeat |
| 236 | Esther Street - Segment "OO" (B) - 99' from "O" | Composite (Soil-Soil) | ND | |
| 237 | QA Reference Material B (actual value = 0.0) | Soil | ND | |
| 238 | QA Reference Material C (actual value = 3.0) | Soil | 3.2 C | |
| 239 | Euclid Avenue - Segment "KK" (R) - 46' from "O" | Composite (Soil-Sweep) | 0.06 C | |
| 240 | Esther Street - Segment "NN" (B) - 39' from "O" | Composite (Soil-Sweep) | ND | |
| 241 | Euclid Avenue - Segment "KK" (B) - 113' from "O" | Composite (Soil-Sweep) | ND | |
| 242 | Esther Street - Segment "NN" (R) - 25' from "O" | Composite (Soil-Soil) | 2.7 C | |
| 243 | Lockwood Street - Segment "BB" (B) - 129' from "O" | Composite (Soil-Sweep) | 62 C | 25 C |
| 244 | Unknown Blank | Soil | ND | |
| 245 | Lockwood Street - Segment "L" (R) - 34' from "O" | Composite (Soil-Sweep) | 0.87 C | |
| 246 | Lockwood Street - Segment "CC" (R) - 36' from "O" | Composite (Soil-Soil) | 3.4 C | |

ND = Not Detected

C = Corrected for laboratory bias. Correction factor = 1.24

SECTION 8
TABLE 11 (cont'd)
ALL SAMPLES INCLUDING QA/QC
TRANSPORTATION ROUTES
6/22/83 - 7/1/83

| SAMPLE NUMBER | SAMPLE LOCATIONS | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|---|---------------------------|-----------------------------|--------|
| | | | Initial | Repeat |
| 247 | Lockwood Street - Segment "CC" (B) - 41' from "O" | Composite (Soil-Soil) | 4.1 C | |
| 248 | QA Reference B (actual value = 0.0) | Soil | ND | |
| 249 | Lockwood Street - Segment "BB" (R) - 80' from "O" | Composite (Soil-Sweep) | 2.9 C | |
| 250 | Lockwood Street - Segment "N" (B) - 29' from "O" | Composite (Soil-Sweep) | 2.5 C | |
| 251 | QA Reference Material C (actual value = 3.0) | Soil | 3.5 | |
| 252 | Lockwood Street - Segment "N" (R) - 14' from "O" | Composite (Soil-Sweep) | 2.6 C | |
| 253 | Euclid Avenue - Segment "MM" (B) - 51' from "O" | Composite (Soil-Sweep) | 2.6 C 2.6 C duplicate | |
| 254 | Euclid Avenue - Segment "MM" (R) - 92' from "O" | Composite (Soil-Sweep) | 5.2 C | |
| 255 | Euclid Avenue - Segment "LL" (B) - 92' from "O" | Composite (Soil-Soil) | 2.2 C | |
| 256 | Euclid Avenue - Segment "LL" (R) - 126' from "O" | Composite (Soil-Soil) | 0.60 C | |
| 257 | Known Blank (Matrix Spike) | Soil | 1.4 C | |

ND = Not Detected

C = Corrected for laboratory bias. Correction factor = 1.24.

SECTION 8
TABLE 11 (cont'd)
ALL SAMPLES INCLUDING QA/QC
TRANSPORTATION ROUTES
6/22/83 - 7/1/83

| SAMPLE NUMBER | SAMPLE LOCATIONS | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|--|----------------------------|-----------------------------------|--------------------------|
| | | | Initial | Repeat |
| 258 | QA Reference Material B (actual value = 0.0) | Soil | NG (ENV) | |
| 258A | QA Reference Material A (Native) | Soil | 6.0 (BAT) | |
| 259 | QA Reference Material C (actual value = 3.0) | Soil | NG (ENV) | |
| 259A | QA Reference Material A (Native) | Soil | 6.0 (BAT) | |
| 260 | Joseph Street - Segment "HH" (R) - 146' from "O" | Composite (Sweep-Sweep) | NG (ENV) | 0.86 (BAT) |
| 261 | Joseph Street - Segment "II" (R) - 126' from "O" | Composite (Soil-Sweep) | NG (ENV) | 0.84 (BAT) |
| 262 | Joseph Street - Segment "II" (B) - 47' from "O" | Composite (Soil-Sweep) | NG | 0.86 (BAT) 0.60 (BAT) |
| 263 | Joseph Street - Segment "II" (B) 85' from "O" | Composite (Sweep-Sweep) | NG (ENV) | |
| 264 | Joseph Street - Segment "FF" (R) - 76' from "O" | Composite (Sweep-Sweep) | NG (ENV) | 0.34 (BAT) |
| 265 | Joseph Street - Segment "FF" (B) - 197' from "O" | Composite (Sweep-Sweep) | NG (ENV) | ND (BAT) |
| 266 | Joseph Street - Segment "GG" (B) - 67' from "O" | Composite (Soil-Soil) | NG (ENV) NG (ENV) duplicate | 0.45 (BAT) |

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.
 (ENV) = Sample analyzed by Envirodyne.
 (BAT) = Sample analyzed by Battelle.
 C = Corrected for laboratory bias. Correction factor = 1.24.

SECTION 8
TABLE 11 (cont'd)
ALL SAMPLES INCLUDING QA/QC
TRANSPORTATION ROUTES
6/22/83 - 7/1/83

| SAMPLE NUMBER | SAMPLE LOCATIONS | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|--|----------------------------|-----------------------------|------------|
| | | | Initial | Repeat |
| 267 | Joseph Street - Segment "GG" (R) - 172' from "O" | Composite (Sweep-Sweep) | NG (ENV) | 0.24 (BAT) |
| 268 | Joseph Street - Segment "DD" (B) - 155' from "O" | Composite (Sweep-Sweep) | NG (ENV) | ND (BAT) |
| 269 | Known Blank (Matrix Spike) | Soil | NG (ENV) | 1.5 (BAT) |
| 270 | Joseph Street - Segment "DD" (R) - 36' from "O" | Composite (Sweep-Sweep) | NG (ENV) | 0.27 (BAT) |
| 271 | Joseph Street - Segment "DD" (B) - 158' from "O" | Composite (Sweep-Sweep) | NG (ENV) | 0.09 (BAT) |
| 272 | QA Reference Material A (actual value = 3.0) | Soil | NG (ENV) | |
| 272A | QA Reference Material A (Native) | Soil | 6.4 (BAT) | |
| 273 | QA Reference Material B (actual value = 0.0) | Soil | NG (ENV) | |
| 273A | QA Reference Material A (Native) | Soil | 5.5 (BAT) | |
| 274 | Joseph Street - Segment "EE" (R) - 56' from "O" | Composite (Sweep-Sweep) | NG (ENV) | 0.27 (BAT) |
| 275 | Albert Avenue - Segment "WW" (B) - 96' from "O" | Sweep | NG (ENV) | NG (BAT) |

ND = Not Detected

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

(ENV) = Sample analyzed by Envirodyne.

(BAT) = Sample analyzed by Battelle.

SECTION 8
TABLE 11 (cont'd)
ALL SAMPLES INCLUDING QA/QC
TRANSPORTATION ROUTES
6/22/83 - 7/1/83

| SAMPLE NUMBER | SAMPLE LOCATIONS | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|--|----------------------------|-----------------------------|----------------|
| | | | Initial | Repeat |
| 276 | Albert Avenue - Segment "WW" (R) - 54' from "O" | Composite (Soil-Soil) | NG (ENV) | 1.4 (BAT) |
| 277 | Albert Avenue - Segment "UU" (R) - 30' from "O" | Composite (Soil-Sweep) | NG (ENV) | 0.73 (BAT) |
| 278 | Albert Avenue - Segment "UU" (B) - 177' from "O" | Composite (Sweep-Sweep) | NG (ENV) | 1.3 (BAT) |
| 279 | Unknown Blank | Soil | NG (ENV) | ND (BAT) |
| 280 | Albert Avenue - Segment "VV" (R) - 146' from "O" | Composite (Soil-Soil) | NG (ENV) | ND (BAT) |
| 281 | Albert Avenue - Segment "VV" (B) - 43' from "O" | Composite (Sweep-Sweep) | NG (ENV) | 0.57 (BAT) |
| 282 | Known Blank (Matrix Spike) | Soil | 1.2 C | 1.7 C 1.3 C |
| 283 | Railroad - Segment "5" (B) - 167' from "O" | Composite (Soil-Soil) | 0.55 C | |
| 284 | Railroad - Segment "5" (R) - 84' from "O" | Composite (Soil-Soil) | ND | |
| 285 | Railroad - Segment "4" (B) - 130' from "O" | Composite (Soil-Soil) | 1.4 C | |
| 286 | Railroad - Segment "4" (R) - 72' from "O" | Composite (Soil-Soil) | 1.0 C | |
| 287 | Railroad - Segment "1" (R) - 3' from "O" | Composite (Sweep-Sweep) | NG | 0.88 C |

ND = Not Detected

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

(ENV) = Sample analyzed by Envirodyne.

(BAT) = Sample analyzed by Battelle.

(C) = Corrected for laboratory bias. Correction factor = 1.24

SECTION 8
TABLE 11 (cont'd)
ALL SAMPLES INCLUDING QA/QC
TRANSPORTATION ROUTES
6/22/83 - 7/1/83

| SAMPLE NUMBER | SAMPLE LOCATIONS | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|---|----------------------------|-----------------------------|-----------------------------|
| | | | Initial | Repeat |
| 288 | Railroad - Segment "1" (B) - 17' from "O" | Composite (Sweep-Sweep) | NG | 2.4 C |
| 289 | Railroad - Segment "1" (B) - 29' from "O" | Composite (Soil-Soil) | NG NG duplicate | 0.84 C |
| 290 | Railroad - Segment (R) - 36' from "O" | Composite (Soil-Soil) | NG | NG ND duplicate 1.1 C |
| 291 | Railroad - Segment "1" (B) - 64' from "O" | Composite (Soil-Soil) | NG | 1.5 C |
| 292 | Unknown Blank | Soil | NG | ND |
| 293 | Railroad - Segment "1" (R) - 78' from "O" | Composite (Soil-Soil) | NG | 8.6 C |
| 294 | Railroad - Segment "1" (R) - 96' from "O" | Composite (Soil-Soil) | NG | ND |
| 295 | QA Reference Material C (actual value = 3.0) | Soil | 3.2 C | |
| 296 | Railroad - Segment "1" (B) - 47' from "O" | Composite (Soil-Soil) | NG | NG could not be analyzed |
| 297 | Railroad - Segment "1" (B) - 47' from "O" | Composite (Soil-Soil) | NG | 4.7 C |
| 298 | Railroad - Segment "1" (R) - 192' from "O" | Composite (Soil-Soil) | NG | ND |
| 299 | Railroad - Segment "7" (R) - 192' from "O" | Composite (Soil-Soil) | NG | ND |
| 300 | Railroad - Segment "6" (R) - 112' from "O" | Composite (Soil-Soil) | 0.32 | |

ND = Not Detected

NG = Did not pass EPA Monitoring Mangement Branch QA/QC requirements.

C = Corrected for laboratory bias. Correction factor = 1.24.

SECTION 8
TABLE 11 (cont'd)
ALL SAMPLES INCLUDING QA/QC
TRANSPORTATION ROUTES
6/22/83 - 7/1/83

| SAMPLE NUMBER | SAMPLE LOCATIONS | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|---|--------------------------|-----------------------------|--------------------------------------|
| | | | Initial | Repeat |
| 301 | QA Reference Material C (actual value = 3.0) | Soil | 3.5 C | |
| 302 | Railroad - Segment "7" (B) - 48' from "O" | Composite (Soil-Soil) | 1.1 C | |
| 303 | Railroad - Segment "6" (B) - 37' from "O" | Composite (Soil-Soil) | 0.51 C | |
| 304 | Known Blank (Matrix spike) | Soil | 1.3 C | |
| 305 | Railroad - Segment "2" (B) - 45' from "O" | Composite (Soil-Soil) | NG | NG to be re- run a third time. |
| 306 | Railroad - Segment "2" (R) - 36' from "O" | Composite (Soil-Soil) | NG | NG to be re- run a third time |
| 307 | Railroad - Segment "2" (R) - 92' from "O" | Composite (Soil-Soil) | 4.2 C 4.2 C duplicate | |
| 308 | QA Reference Material D (Region VII) | Soil | 3.6 C | |
| 309 | Railroad - Segment "2" (B) - 74' from "O" | Composite (Soil-Soil) | 12 C | |
| 310 | Railroad - Segment "3" (B) - 33' from "O" | Composite (Soil-Soil) | 2.9 C | |
| 311 | Railroad - Segment "3" (R) - 56' from "O" | Composite (Soil-Soil) | 3.1 C | |

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.
C = Corrected for laboratory bias. Correction factor = 1.24.

SECTION 8
TABLE 11 (cont'd)
ALL SAMPLES INCLUDING QA/QC
TRANSPORTATION ROUTES
6/22/83 - 7/1/83

| SAMPLE NUMBER | SAMPLE LOCATIONS | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|--|--------------------------|-----------------------------|--------|
| | | | Initial | Repeat |
| 312 | Railroad - Segment "13" (R) - 18' from "O" | Composite (Soil-Soil) | 0.53 C | |
| 313 | Railroad - Segment "13" (B) - 47' from "O" | Composite (Soil-Soil) | 1.1 C | |
| 314 | Railroad - Segment "9" (B) - 177' from "O" | Composite (Soil-Soil) | 2.1 C | |
| 315 | Railroad - Segment "8" (R) - 76' from "O" | Composite (Soil-Soil) | ND | |
| 316 | Railroad - Segment "10" (B) - 86' from "O" | Composite (Soil-Soil) | 0.76 C | |
| 317 | QA Reference Material D (Region VII) | Soil | 4.1 C | |
| 318 | Railroad - Segment "10" (R) - 114' from "O" | Composite (Soil-Soil) | 0.52 C | |
| 319 | Unknown Blank | Soil | ND | |
| 320 | Railroad - Segment "9" (R) - 98' from "O" | Composite (Soil-Soil) | 0.53 C | |
| 321 | Railroad - Segment "8" (B) - 56' from "O" | Composite (Soil-Soil) | ND | |
| 322 | Railroad - Segment "16" (R) - 49' from "O" | Composite (Soil-Soil) | 645 C | 558 C |

ND = Not Detected

C = corrected for laboratory bias. Correction factor = 1.24

SECTION 8
TABLE 11 (cont'd)
ALL SAMPLES INCLUDING QA/QC
TRANSPORTATION ROUTES
6/22/83 - 7/1/83

| SAMPLE NUMBER | SAMPLE LOCATIONS | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|--|--------------------------|-----------------------------|--------|
| | | | Initial | Repeat |
| 323 | Railroad - Segment "16" (B) - 115' from "O" | Composite (Soil-Soil) | 260 C | 236 C |
| 324 | Railroad - Segment "12" (B) - 81' from "O" | Composite (Soil-Soil) | 8.8 C | |
| 325 | Railroad - Segment "11" (R) - 32' from "O" | Composite (Soil-Soil) | 0.77 C | |
| 326 | QA Reference Material D (Region VII) | Soil | 3.7 C | |
| 328 | Railroad Segment - "15" (B) - 163' from "O" | Composite (Soil-Soil) | 29 C | |
| 329 | Known Blank (Matrix spike) | Soil | 1.1 C | 1.2 C |
| 330 | Railroad - Segment "15" (R) - 38' from "O" | Composite (Soil-Soil) | 8.7 C | |
| 331 | Railroad - Segment "12" (R) - 156' from "O" | Composite (Soil-Soil) | 0.66 C | |
| 332 | Railroad - Segment "11" (B) - 195' from "O" | Composite (Soil-Soil) | 0.56 C | |
| 333 | Railroad - Segment "14" (B) - 144' from "O" | Composite (Soil-Soil) | 3.5 C | |
| 334 | Railroad - Segment "14" (R) - 98' from "O" | Composite (Soil-Soil) | 2.5 C | |

C = Corrected for laboratory bias. Correction factor = 1.24

SECTION 8
TABLE 11 (cont'd)
ALL SAMPLES INCLUDING QA/QC
TRANSPORTATION ROUTES
6/22/83 - 7/1/83

| SAMPLE NUMBER | SAMPLE LOCATIONS | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|---|--------------------------|-----------------------------|--------------------|
| | | | Initial | Repeat |
| 335 | Railroad - Segment "17" (B) - 42' from "O" | Composite (Soil-Soil) | 14 C | |
| 336 | Railroad - Segment "17" (R) - 57' from "O" | Composite (Soil-Soil) | 0.83 C | |
| 337 | Harrison - adjacent to storm sewer on south side of Harrison Ave. | Sweep | ND | ND ND duplicate |
| 338 | Harrison - adjacent to storm sewer on south side of Harrison Ave. | Sweep | ND | |
| 339 | Harrison - western side of Boylan Avenue | Soil | 0.12 C | |
| 341 | QA Reference Material D (Region VII) | Soil | 4.1 C 4.5 C duplicate | |
| 342 | Unknown Blank | Soil | ND | |
| 343 | Railroad - Segment "18" (B) - 15' from "O" | Composite (Soil-Soil) | 1.5 C | |
| 344 | Railroad - Segment "18" (B) - 24' from "O" | Composite (Soil-Soil) | 4.1 C | |
| 346 | Railroad - Segment "18" (R) - 3' from "O" | Composite (Soil-Soil) | 11 C | |
| 347 | Railroad - Segment "18" (B) - 65' from "O" | Composite (Soil-Soil) | 7.1 C | |

ND = Not Detected

C = Corrected for laboratory bias. Correction factor = 1.24

SECTION 8
TABLE 11 (cont'd)
ALL SAMPLES INCLUDING QA/QC
TRANSPORTATION ROUTES
6/22/83 - 7/1/83

| SAMPLE NUMBER | SAMPLE LOCATIONS | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|--|----------------------------|-----------------------------|----------------------------|
| | | | Initial | Repeat |
| 348 | Railroad - Segment "18" (R) - 52' from "O" | Composite (Soil-Soil) | 1.4 C | |
| 349 | Railroad - Segment "18" (B) - 44' from "O" | Composite (Soil-Soil) | 1.2 | |
| 350 | Known Blank (Matrix spike) | Soil | 1.3 C | 1.4 C 1.2 C NG (ENV) |
| 352 | Railroad - Segment "18" (R) - 98' from "O" | Composite (Soil-Soil) | 24 | |
| 353 | QA Reference Material D | Soil | 4.3 C | NG (ENV) |
| 356 | Railroad - Segment "18" (R) - 72' from "O" | Composite (Soil-Soil) | 8.4 C | NG (ENV) |
| 357 | Railroad - Segment "18" (B) - 82' from "O" | Composite (Soil-Soil) | 2.1 C | NG (ENV) |
| 358 | Railroad - Segment "22" (R) - 98' from "O" | Composite (Soil-Soil) | ND | NG (ENV) |
| 359 | Railroad - Segment "22" (B) - 118' from "O" | Composite (Soil-Soil) | 0.72 C | NG (ENV) |
| 360 | Railroad - Segment "20" (B) - 28' from "O" | Composite (Sweep-Sweep) | ND | NG (ENV) |
| 361 | Railroad - Segment "20" (R) - 138' from "O" | Composite (Sweep-Sweep) | ND | NG (ENV) |

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

ND = Not Detected

(ENV) = Sample analyzed by Envirodyne.

C = Corrected for laboratory bias. Correction factor = 1.24.

SECTION 8
TABLE 11 (cont'd)
ALL SAMPLES INCLUDING QA/QC
TRANSPORTATION ROUTES
6/22/83 - 7/1/83

| SAMPLE NUMBER | SAMPLE LOCATIONS | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|--|----------------------------|-------------------------------|----------------|
| | | | Initial | Repeat |
| 362 | Railroad - Segment "19" (B) - 78' from "O" | Composite (Sweep-Sweep) | 1.6 C | |
| 363 | Railroad - Segment "19" (R) - 96' from "O" | Composite (Sweep-Sweep) | ND | |
| 364 | Unknown Blank | Soil | NG | ND NG (ENV) |
| 365 | Railroad - Segment "19" (R) - 40' from "O" | Composite (Soil-Soil) | 4.5 C | |
| 366 | Railroad - Segment "19" (B) 22' from "O" | Composite (Soil-Soil) | 3.8 C | |
| 369 | QA Reference Material D (Region VII) | Soil | 4.0 C | NG (ENV) |
| 372 | Railroad - Segment "23" (R) - 32' from "O" | Composite (Soil-Soil) | 1.7 C | NG (ENV) |
| 373 | Railroad - Segment "23" (B) - 186' from "O" | Composite (Soil-Soil) | 0.50 C 0.51 C duplicate | NG (ENV) |
| 374 | Railroad - Segment "21" (R) - 58' from "O" | Composite (Soil-Soil) | ND | |
| 375 | Railroad - Segment "21" (B) 131' from "O" | Composite (Soil-Soil) | 0.38 C | NG (ENV) |

ND = Not Detected

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

(ENV) = Sample analyzed by Envirodyne.

C = Corrected for laboratory bias. Correction Factor = 1.24.

SECTION 9 INDEX
PASSAIC RIVER SEDIMENT

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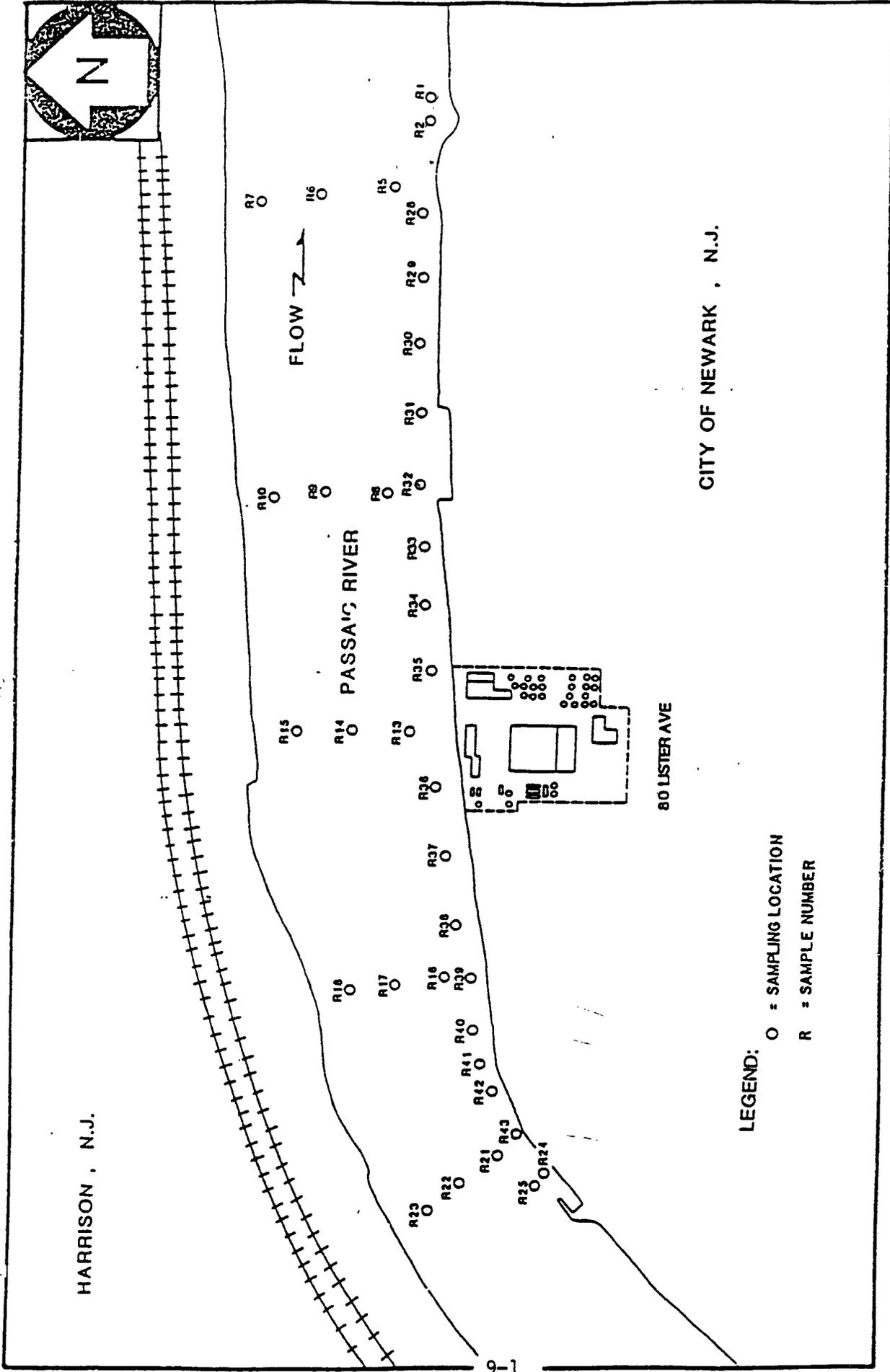


FIGURE 1

PASSAIC RIVER SEDIMENT
SAMPLE LOCATION MAP



SECTION 9
TABLE 1
SAMPLES WITH CONCENTRATIONS 1 PPB OR GREATER
PASSAIC RIVER SEDIMENT
6/28/83 - 6/29/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|--|----------------|--------------------------|--------|
| | | | Initial | Repeat |
| R13 | Center of the site, south shore | River sediment | 2.5 C | |
| R31 | Bulkhead line, approx. 500' east of site | River sediment | 1.5 C | |
| R36 | Bulkhead line south center of the site | River sediment | NG | 8.6 C |
| R37 | Bulkhead line approx. 200' west of site | River sediment | 1.5 C | |
| R38 | Bulkhead line approx. 300' west of site | River sediment | 3.7 C | |
| R42 | Bulkhead line approx. 700' west of site | River sediment | 3.2 C | |

NOTES:

- (a) 35 samples were collected.
- (b) 14 samples had no detection of TCDD.
- (c) 15 samples were detected below 1.00 ppb TCDD.
- (d) NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.
- (e) C = Corrected for laboratory bias. Correction factor = 1.24.

SECTION 9
TABLE 2
ALL SAMPLES INCLUDING QA/QC
PASSAIC RIVER SEDIMENT
6/28/83 - 6/29/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|---|----------------|--------------------------|----------------------|
| | | | Initial | Repeat |
| R1 | 1300' down river of the site, south shore | River sediment | 0.60 | C |
| R2 | 1300' down river of the site, south shore | River sediment | 0.37 | C |
| R3 | QA Reference Material D (Region III) | Soil | 3.8 | C |
| R4 | Known Blank (Matrix Spike) | Soil | 1.2 | C |
| R5 | 800' down river of the site, south shore | River sediment | ND | |
| R6 | 800' down river of the site, mid-river | River sediment | ND | |
| R7 | 800' down river of the site, north shore | River sediment | ND | |
| R8 | 300' down river of the site, south shore | River sediment | ND | |
| R9 | 300' down river of the site, mid-river | River sediment | 1.2 | C |
| R10 | 300' down river of the site, north shore | River sediment | ND | |
| R11 | QA Reference Material D (Region III) | Soil | 3.8 | C 3.7 C duplicate |
| R12 | Unknown Blank | Soil | ND | |
| R13 | Center of the site, south shore | River sediment | 2.5 | C |
| R14 | Center of the site, mid-river | River sediment | 0.24 | C |

ND = Not Detected

C = Corrected for laboratory bias. Correction factor = 1.24.

SECTION 9
TABLE 2 (cont'd)
ALL SAMPLES INCLUDING QA/QC
PASSAIC RIVER SEDIMENT
6/28/83 - 6/29/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|---|----------------|--------------------------|--------|
| | | | Initial | Repeat |
| R15 | Center of the site, north shore | River sediment | 0.16 C | |
| R16 | 300' up river of of the site, south shore | River sediment | 0.37 C | |
| R17 | 300' up river of the site, mid-river | River sediment | ND | |
| R18 | 300' up river of the site, north shore | River sediment | 0.21 C | |
| R19 | Known Blank (Matrix Spike) | Soil | 1.3 C | |
| R20 | QA Reference Material D (Region III) | Soil | 4.2 C | |
| R21 | 800' up river of the site, south shore | River sediment | NG | 0.73 C |
| R22 | 800' up river of the site, mid-river | River sediment | NG | ND |
| R23 | 800' up river of the site, north shore | River sediment | NG | ND |
| R24 | 1300' up river of the site, south shore | River sediment | ND | |
| R25 | 1300' up river of the site, south shore | River sediment | 1.2 C | |
| R26 | Unknown Blank | Soil | ND | |

ND = Not Detected

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

C = Corrected for laboratory bias. Correction factor = 1.24.

SECTION 9
TABLE 2 (cont'd)
ALL SAMPLES INCLUDING QA/QC
PASSAIC RIVER SEDIMENT
6/28/83 - 6/29/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|--|----------------|--------------------------|--------|
| | | | Initial | Repeat |
| R27 | QA Reference Material D (Region III) | Soil | 4.1 C | |
| R28 | Bulkhead line, approx. 800' east of site | River sediment | ND | |
| R29 | Bulkhead line, approx. 700' east of site | River sediment | ND | |
| R30 | Bulkhead line, approx. 600' east of site | River sediment | ND | |
| R31 | Bulkhead line, approx. 500' east of site | River sediment | 1.5 C | |
| R32 | Bulkhead line, approx. 400' east of site | River sediment | 0.33 C ND duplicate | |
| R33 | Bulkhead line, approx. 300' east of site | River sediment | ND | |
| R34 | Bulkhead line, approx. 200' east of site | River sediment | 0.60 C | |
| R35 | Bulkhead line north center of the site | River sediment | 0.74 C | |
| R36 | Bulkhead line south center of the site | River sediment | NG | 8.6 C |
| R37 | Bulkhead line approx. 200' west of site | River sediment | 1.5 C | |
| R38 | Bulkhead line approx. 300' west of site | River sediment | 3.7 C | |
| R39 | Bulkhead line approx. 400' west of site | River sediment | 0.30 C | |
| R40 | Bulkhead line approx. 500' west of site | River sediment | 0.17 C | |

ND = Not Detected

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

C = Corrected for laboratory bias. Correction factor = 1.24.

SECTION 9
 TABLE 2 (cont'd)
 ALL SAMPLES INCLUDING QA/QC
 PASSAIC RIVER SEDIMENT
 6/28/83 - 6/29/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|---|----------------|--------------------------|--------|
| | | | Initial | Repeat |
| R41 | Bulkhead line approx. 600' west of site | River sediment | 0.38 C | |
| R42 | Bulkhead line approx. 700' west of site | River sediment | 3.2 C | |
| R43 | Bulkhead line approx. 800' west of site | River sediment | ND | |

ND = Not Detected

C = Corrected for laboratory bias. Correction factor = 1.24.

SECTION 10 INDEX
PASSAIC RIVER CRAB AND FISH

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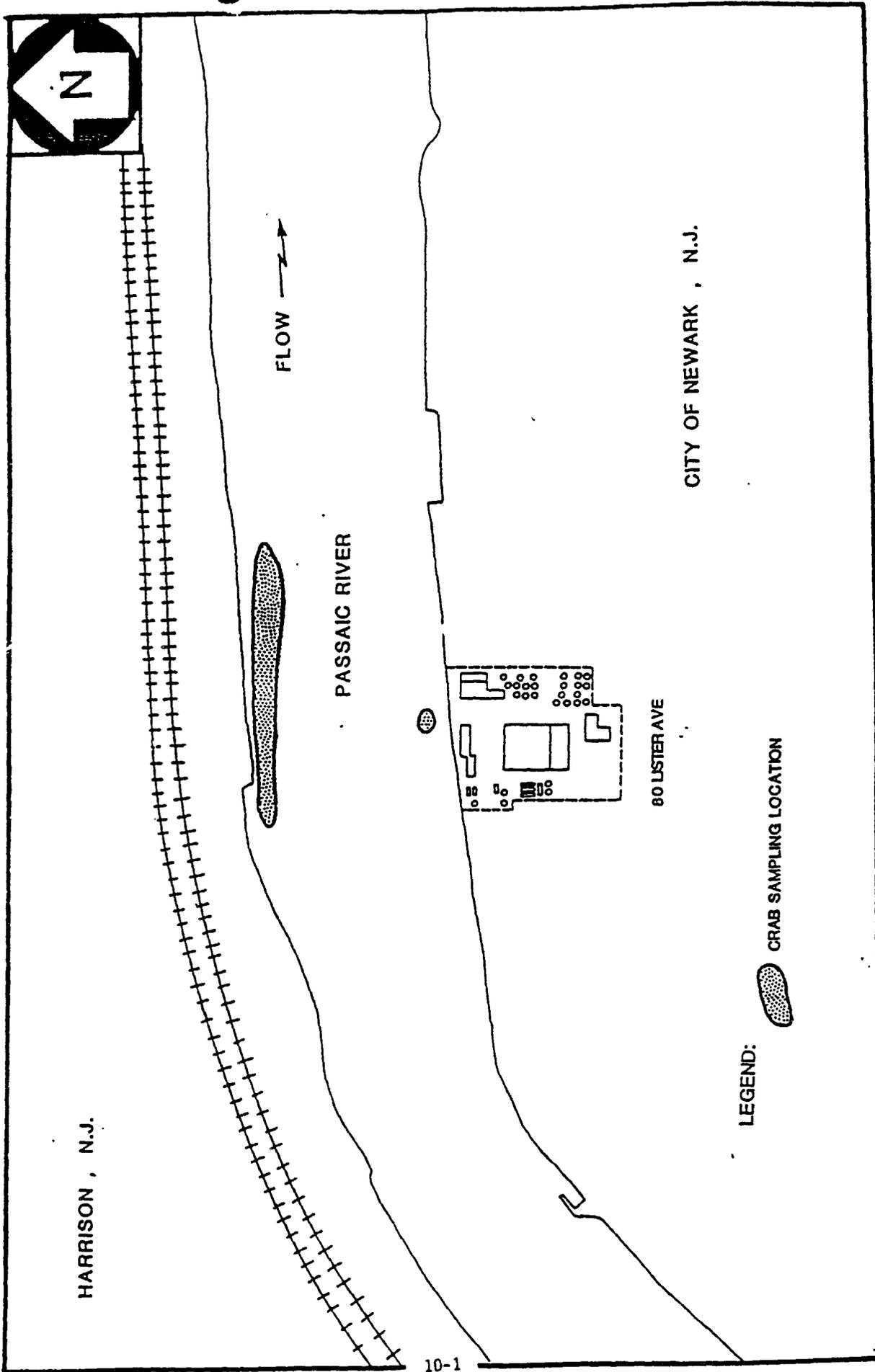
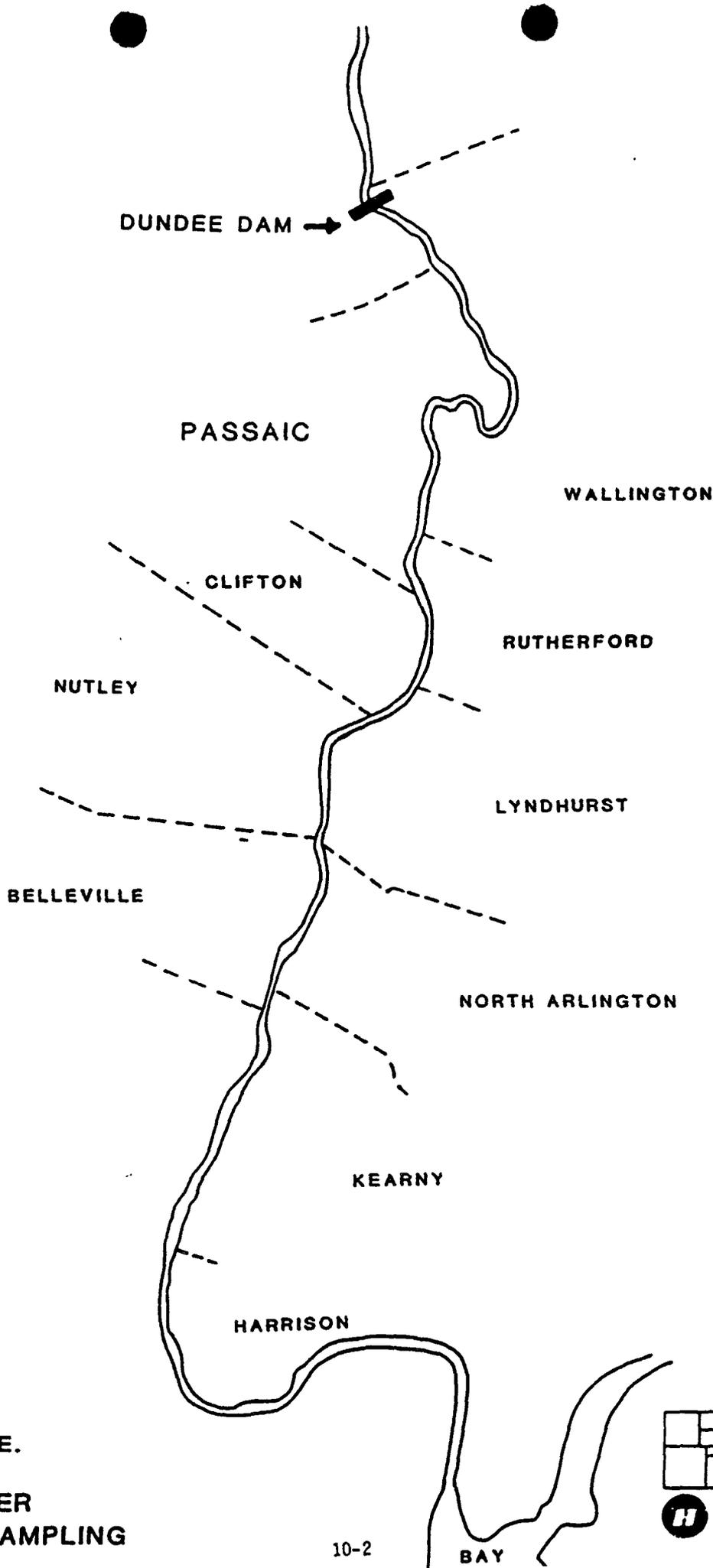


FIGURE 13-1



PASSAIC RIVER CRAB
SAMPLE LOCATION MAP



DUNDEE DAM →

PASSAIC

WALLINGTON

CLIFTON

RUTHERFORD

NUTLEY

LYNDHURST

BELLEVILLE

NORTH ARLINGTON

KEARNY

HARRISON

10-2

BAY

100 LISTER AVE.
NEWARK, N.J.
PASSAIC RIVER
FISH & CRAB SAMPLING

FIGURE 13-2



SECTION 10
TABLE 1
SAMPLES WITH CONCENTRATIONS 50 PPT OR GREATER
PASSAIC RIVER CRAB AND FISH
7/14/83 AND 7/15/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppt) | |
|---------------|--|--------------------------------|--------------------------|--------|
| | | | Initial | Repeat |
| F3 | Passaic River, near 4th St. Bridge | Composite of Brown Bullhead | 73 | |
| F4 | Passaic River, near 4th St. Bridge | Composite of Mummichug | 114 | |
| F7 | Passaic River, at mouth of Third River | Goldfish | 66 | |
| F8 | Passaic River, at mouth of Third River | Carp | 155 | |
| F9 | Passaic River, near Monroe St., Garfield | Carp | 108 | |
| F11 | Passaic River at Dundee Dam | Channel Catfish | 50 | |
| F12 | Passaic River, near 4th St. Bridge | Composite of American Eel | 61 | |
| F14 | Mouth of Passaic River, Newark Bay | Striped Bass | 58 | |

SECTION 10
 TABLE 1 (cont'd)
 SAMPLES WITH CONCENTRATIONS 50 PPT OR GREATER
 PASSAIC RIVER CRAB AND FISH
 7/14/83 and 7/15/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppt) | |
|---------------|---|----------------------------------|--------------------------|--------|
| | | | Initial | Repeat |
| F16 | Passaic River, vicinity of 80 Lister Ave. | Composite of Crab Hepatopancreas | 450 | |
| F18 | Passaic River, vicinity of 80 Lister Ave. | Composite of Crab Hepatopancreas | 485 | |

NOTES:

- (a) 18 samples were collected.
- (b) 1 sample had no detection of TCDD.
- (c) 2 samples were detected below 25 ppt TCDD.
- (d) 3 samples were detected 25 ppt or greater, but less than 50 ppt TCDD.

SECTION 10
TABLE 2
ALL SAMPLES INCLUDING QA/QC
PASSAIC RIVER CRAB AND FISH
7/14/83 and 7/15/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppt) | |
|---------------|--|-----------------------------|--------------------------|--------|
| | | | Initial | Repeat |
| F1 | Unknown | Known blank provided by DEP | ND | |
| F2 | Saginaw Bay, MI | Known spike provided by FDA | 44 | |
| F3 | Passaic River, near 4th St. Bridge | Composite of Brown Bullhead | 73 | |
| F4 | Passaic River, near 4th St. Bridge | Composite of Mummichug | 114 | |
| F5 | Passaic River, near 4th St. | Composite of American Eel | 31 | |
| F6 | Passaic River, near 4th St. | Composite of American Eel | 22 | |
| F7 | Passaic River, at mouth of Third River | Goldfish | 66 | |
| F8 | Passaic River, at mouth of Third River | Carp | 155 | |
| F9 | Passaic River, near Monroe St., Garfield | Carp | 108 | |

ND = Not Detected

SECTION 10
TABLE 2 (cont'd)
ALL SAMPLES INCLUDING QA/QC
PASSAIC RIVER CRAB AND FISH
7/14/83 and 7/15/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppt) | |
|---------------|---|----------------------------------|--------------------------|--------|
| | | | Initial | Repeat |
| F10 | Passaic River at Dundee Dam | Composite of White Perch | ND | |
| F11 | Passaic River at Dundee Dam | Channel Catfish | 50 | |
| F12 | Passaic River, near 4th St. Bridge | Composite of American Eel | 61 | |
| F13 | Unknown | Known blank provided by DEP | ND | |
| F14 | Mouth of Passaic River, Newark Bay | Striped Bass | 58 | |
| F15 | Saginaw Bay, MI | Known spike provided by FDA | 42 | |
| F16 | Passaic River, vicinity of 80 Lister Ave. | Composite of Crab Hepatopancreas | 450 | |
| F17 | Passaic River, vicinity of 80 Lister Ave. | Composite of Crab Muscle | 27 | |
| F18 | Passaic River, vicinity of 80 Lister Ave. | Composite of Crab Hepatopancreas | 485 | |

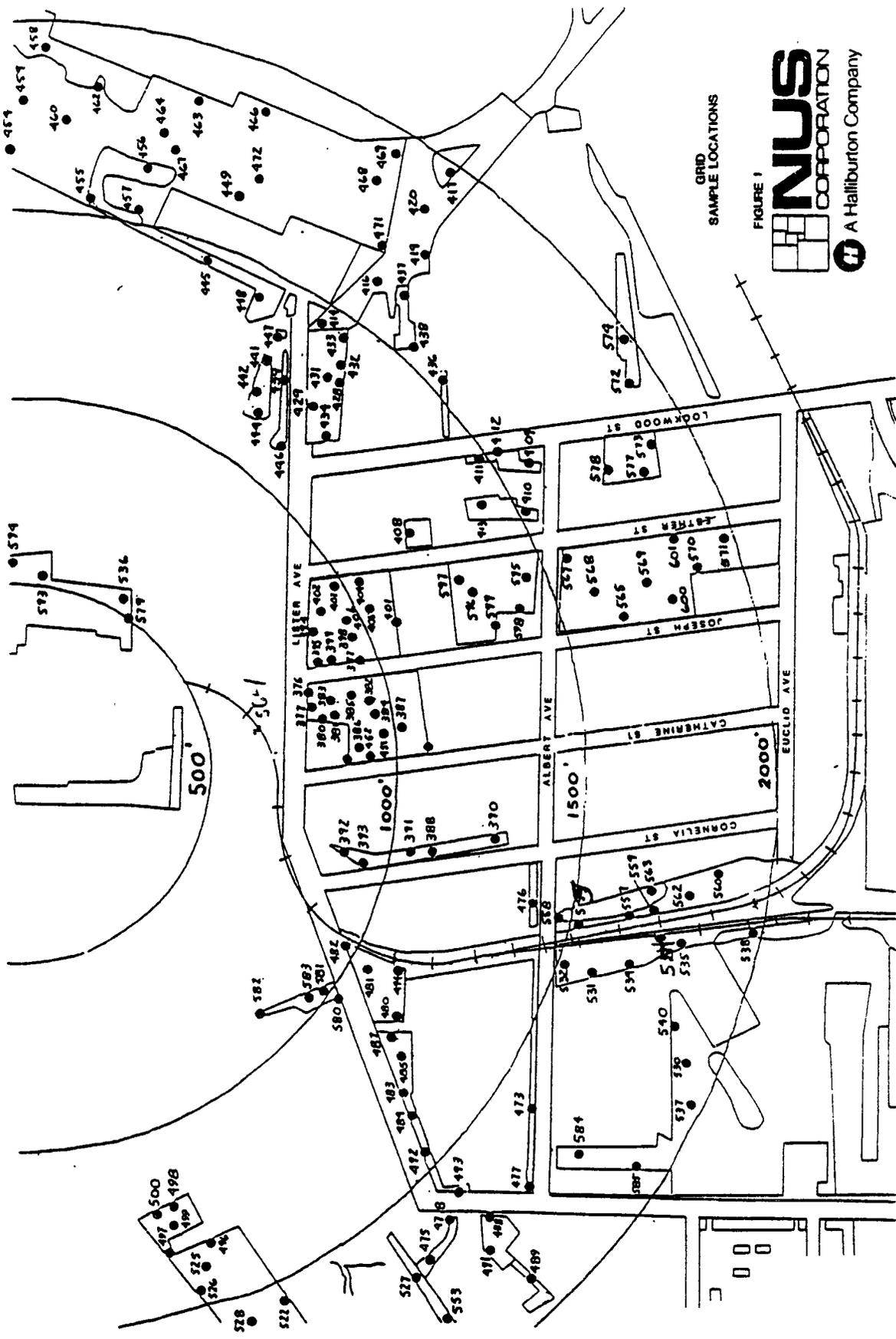
ND = Not Detected

SECTION 10
 TABLE 2 (cont'd)
 ALL SAMPLES INCLUDING QA/QC
 PASSAIC RIVER CRAB AND FISH
 7/14/83 and 7/15/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppt) | |
|---------------|---|-----------------------------|--------------------------|--------|
| | | | Initial | Repeat |
| F19 | Passaic River, vicinity of 80 Lister Ave. | Composite of Crab Muscle | 16 | |
| F20 | Mouth of Passaic River, Newark Bay | Composite of Striped Bass | 31 | |
| F21 | Saginaw Bay, MI | Known spike provided by FDA | 38 | |

SECTION 11 INDEX
SELECTED GRID PHASE I

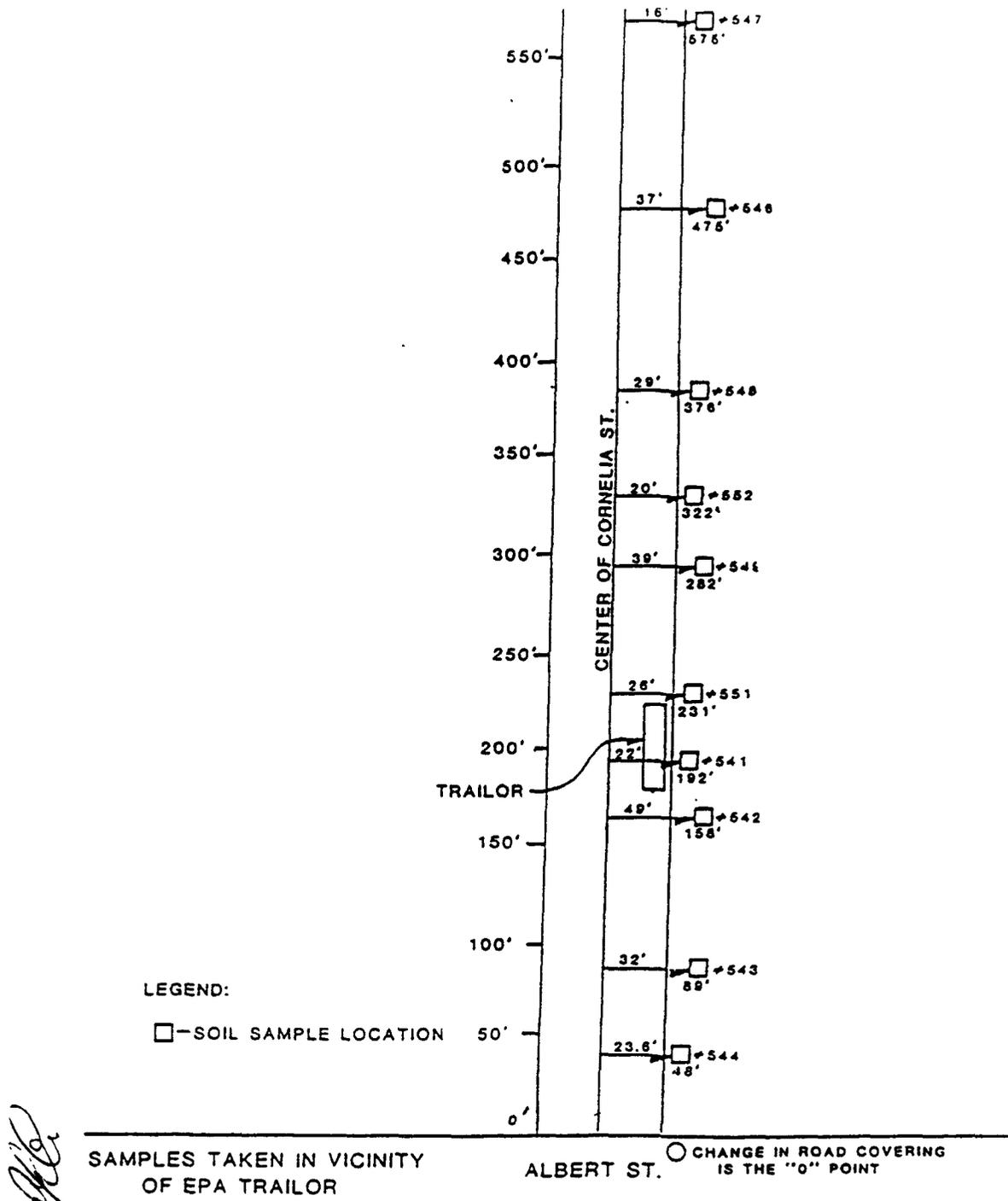
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| 11-16 | Table 2 (cont'd) |
| 11-17 | Table 2 (cont'd) |
| 11-18 | Table 2 (cont'd) |
| 11-19 | Table 2 (cont'd) |
| 11-20 | Table 2 (cont'd) |



GRID
SAMPLE LOCATIONS



FIGURE 1



Handwritten signature

FIGURE 2

SECTION 11
TABLE 1
SAMPLES WITH CONCENTRATIONS 1 PPB OR GREATER
SELECTED GRID
7/11/83 - 8/9/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|--|-------------------------|-------------------------------------|--------|
| | | | Initial | Repeat |
| 388 | East Side of Cornelia Street | Soil | 1.1 C | |
| 411 | Lubriplate-Fisk Bros. Refinery, | Soil | 1.7 (BAT) | |
| 414 | Area of R.R. spur trending S.E. from east end of Lister Avenue | Soil | 1.0 (BAT) 1.3 (BAT) duplicate | |
| 498 | Palmer Industries, Lister Ave. | Soil | 3.5 C | |
| 499 | Palmer Industries, Lister Ave. | Soil | 5.5 C | |
| 500 | Palmer Industries, Lister Ave. | Soil | 6.2 C | |
| 536 | Sergeant Pulp and Chemical, Lister Ave. | Soil | 1.6 C | |
| 548 | Trailer Vicinity Resampling, Cornelia Street | Soil | 1.1 C | |
| 564 | Dust from Air Conditioner at Duralac, Lister Ave. | Air-Conditioning Filter | NG | 1.6 C |
| 570 | Glicken Brothers, Esther Street | Soil | 1.2 C | |
| 573 | Brady Iron and Metal, between Lockwood and Esther Streets | Soil | NG | 1.7 C |
| 574 | Messinger Trucking, Lockwood St. | Soil | 1.4 C | |
| 577 | Brady Iron and Metal, between Lockwood and Esther Sts. | Soil | 6.1 C | |
| 578 | Brady Iron and Metal, between Lockwood and Esther Sts. | Soil | 2.1 C | |
| 579 | Sergeant Pulp and Chemical, Lister Ave. | Soil | 1.5 C | |
| 581 | Sherwin-Williams, Lister Ave. | Soil | 1.6 C 1.6 C duplicate | |
| 600 | 22 Joseph St. | Soil | 1.4 C | |

NOTES:

- (a) 157 samples were collected.
- (b) 72 samples had no detection of TCDD.
- (c) 6 samples did not pass EPA Monitoring Management Branch QA/QC requirements.
- (d) 62 samples were detected below 1.00 ppb TCDD.
- (e) NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.
- (f) (BAT) = Sample analyzed by Battelle.
- (g) C = Corrected for laboratory bias. Correction factor = 1.24.

SECTION 11
TABLE 2
ALL SAMPLES INCLUDING QA/QC
SELECTED GRID
7/11/83 - 8/9/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|--|-------------|--------------------------|---------------------------------|
| | | | Initial | Repeat |
| 376 | Vacant lot, corner of Lister Ave. and Joseph St. | Soil | ND | |
| 377 | Vacant lot, corner of Lister Ave. and Joseph St. | Soil | ND | |
| 378 | Known Blank (Matrix Spike) | Soil | 1.4 C | 1.0 0.9 1.3 1.2 1.1 |
| 379 | QA Reference Material D (Region VII) | Soil | 3.7 C | |
| 380 | Vacant lot, corner of Lister Ave. and Joseph St. | Soil | ND | |
| 381 | Vacant lot, corner of Lister Ave. and Joseph St. | Soil | ND | |
| 382 | Vacant lot, corner of Lister Ave. and Joseph St. | Soil | ND | |
| 383 | Vacant lot, corner of Lister Ave. and Joseph St. | Soil | ND | |
| 384 | Vacant lot, corner of Lister Ave. and Joseph St. | Soil | ND ND duplicate | |
| 385 | Vacant lot, corner of Lister Ave. and Joseph St. | Soil | 0.4 C | |

ND = Not Detected

C = Corrected for laboratory bias. Correction Factor = 1.24.

SECTION 11
TABLE 2 (cont'd)
ALL SAMPLES INCLUDING QA/QC
SELECTED GRID
7/11/83 - 8/9/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|--|-------------|--------------------------|--------|
| | | | Initial | Repeat |
| 386 | Vacant lot, corner of Lister Ave. and Joseph St. | Soil | ND | |
| 387 | Vacant lot, corner of Lister Ave. and Joseph St. | Soil | 0.07 C | |
| 388 | East side of Cornelia Street | Soil | 1.1 C | |
| 389 | Unknown Blank | Soil | ND | |
| 390 | East side of Cornelia Street | Soil | 0.33 C | |
| 391 | East side of Cornelia Street | Soil | 0.93 C | |
| 392 | East side of Cornelia Street | Soil | 0.48 C | |
| 393 | East side of Cornelia Street | Soil | 0.76 C | |
| 394 | B-line Trucking, Esther St. | Soil | ND | |
| 395 | B-line Trucking, Esther St. | Soil | NG | ND |
| 396 | QA Reference Material A (Native) | Soil | 7.8 C | |
| 397 | B-line Trucking, Esther St. | Soil | ND | |

ND = Not Detected.

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

C = Corrected for laboratory bias. Correction Factor = 1.24.

SECTION 11
TABLE 2 (cont'd)
ALL SAMPLES INCLUDING QA/QC
SELECTED GRID
7/11/83 - 8/9/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|--|-------------|--------------------------|--------|
| | | | Initial | Repeat |
| 398 | B-line Trucking, Esther St. | Soil | ND | |
| 399 | B-line Trucking, Esther St. | Soil | NG | ND |
| 400 | QA Reference Material A (Native) | Soil | 7.4 C | |
| 401 | B-line Trucking, Esther St. | Soil | NG | |
| 402 | B-line Trucking, Esther St. | Soil | NG (BAT) | |
| 403 | Unknown Blank | Soil | NG (BAT) | |
| 404 | B-line Trucking, Esther St. | Soil | NG (BAT) | |
| 405 | B-line Trucking, Esther St. | Soil | 0.31 (BAT) | |
| 406 | B-line Trucking, Esther St. | Soil | ND (BAT) | |
| 407 | B-line Trucking, Esther St. | Soil | 0.22 (BAT) | |
| 408 | Lubriplate-Fisk Bros. Refinery, Lockwood Street | Soil | NG (BAT) | |
| 409 | Lubriplate-Fisk Bros. Refinery, Lockwood Street | Soil | 0.28 (BAT) | |

ND = Not Detected.

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

(BAT) = Sample analyzed by Battelle.

C = Corrected for laboratory bias. Correction Factor = 1.24.

SECTION 11
TABLE 2 (cont'd)
ALL SAMPLES INCLUDING QA/QC
SELECTED GRID
7/11/83 - 8/9/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|--|-------------|-------------------------------------|--------|
| | | | Initial | Repeat |
| 410 | Lubriplate-Fisk Bros. Refinery, Lockwood Street | Soil | ND (BAT) | |
| 411 | Lubriplate-Fisk Bros. Refinery, Lockwood Street | Soil | 1.7 (BAT) | |
| 412 | Lubriplate-Fisk Bros. Refinery, Lockwood Street | Soil | 0.09 C | |
| 413 | Lubriplate-Fisk Bros. Refinery, Lockwood Street | Soil | ND (BAT) | |
| 414 | Area of R.R. spur trending S.E. from east end of Lister Avenue | Soil | 1.0 (BAT) 1.3 (BAT) duplicate | |
| 415 | QA Reference Material D (Region VII) | Soil | 4.6 (BAT) | |
| 416 | Area of R.R. spur trending S.E. from east end of Lister Avenue | Soil | 0.24 (BAT) | |
| 417 | Areas of R.R. spur trending S.E. from east end of Lister Avenue | Soil | NG (BAT) | |
| 418 | QA Reference Material A (Native) | Soil | 6.0 (BAT) | |
| 419 | Area of R.R. spur trending S.E. from east end of Lister Avenue | Soil | 0.54 (BAT) | |

ND = Not Detected.

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

(BAT) = Sample analyzed by Battelle.

C = Corrected for laboratory bias. Correction Factor = 1.24.

SECTION 11
TABLE 2 (cont'd)
ALL SAMPLES INCLUDING QA/QC
SELECTED GRID
7/11/83 - 8/9/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|--|-------------|--------------------------|------------|
| | | | Initial | Repeat |
| 420 | Area of R.R. spur trending S.E. from east end of Lister Avenue | Soil | ND | 0.15 (BAT) |
| 421 | Known Blank (Matrix Spike) | Soil | 1.5 (BAT) | |
| 422 | QA Reference Material A (Native) | Soil | 6.2 (BAT) | |
| 428 | Atlas Refinery East end of Lister Avenue | Soil | 0.29 (BAT) | |
| 429 | Atlas Refinery East end of Lister Avenue | Soil | ND (BAT) | |
| 430 | Unknown Blank | Soil | ND | |
| 431 | Atlas Refinery East end of Lister Avenue | Soil | 0.07 C | |
| 432 | Atlas Refinery East end of Lister Avenue | Soil | ND | |
| 433 | Atlas Refinery East end of Lister Avenue | Soil | 0.20 C | |
| 434 | Atlas Refinery East end of Lister Avenue | Soil | ND | |

ND = Not Detected

(BAT) = Sample analyzed by Battelle.

C = Corrected for laboratory bias. Correction Factor = 1.24

SECTION 11
TABLE 2 (cont'd)
ALL SAMPLES INCLUDING QA/QC
SELECTED GRID
7/11/83 - 8/9/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|--|-------------|-------------------------------|--------|
| | | | Initial | Repeat |
| 435 | QA Reference Material D (Region VII) | Soil | 3.8 C | |
| 436 | Atlas Refinery East end of Lister Avenue | Soil | 0.55 C | |
| 437 | Atlas Refinery East end of Lister Avenue | Soil | 0.57 C | |
| 438 | Atlas Refinery East end of Lister Avenue | Soil | ND | |
| 439 | Benjamin-Moore East end of Lister Avenue | Soil | 0.50 C 0.64 C duplicate | |
| 440 | QA Reference Material A (Native) | Soil | 6.7 C | |
| 441 | Benjamin-Moore East end of Lister Avenue | Soil | ND | |
| 442 | Benjamin-Moore East end of Lister Avenue | Soil | 0.33 C | |
| 443 | Known Blank (Matrix Spike) | Soil | 1.3 C | |
| 444 | Benjamin-Moore, East end of Lister Avenue | Soil | ND | |
| 445 | Benjamin-Moore, East end of Lister Avenue | Soil | 0.25 C | |

ND = Not Detected

C = Corrected for laboratory bias. Correction Factor = 1.24

SECTION 11
TABLE 2 (cont'd)
ALL SAMPLES INCLUDING QA/QC
SELECTED GRID
7/11/83 - 8/9/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|--|-------------|--------------------------|--------|
| | | | Initial | Repeat |
| 446 | Benjamin-Moore, East end of Lister Avenue | Soil | 0.35 C | |
| 447 | Benjamin-Moore, East end of Lister Avenue | Soil | 0.97 C | |
| 448 | Benjamin-Moore, East end of Lister Avenue | Soil | ND | |
| 449 | Benjamin-Moore, East end of Lister Avenue | Soil | ND | |
| 450 | QA Reference Material A (Native) | Soil | 6.3 C | |
| 451 | Crate Supplier, Catherine St. | Soil | 0.17 C | |
| 452 | Crate Supplier, Catherine St. | Soil | 0.17 C | |
| 453 | Known Blank (Matrix Spike) | Soil | 1.2 C | |
| 454 | Benjamin-Moore, East end of Lister Avenue | Soil | ND | |
| 455 | Benjamin-Moore, East end of Lister Avenue | Soil | 0.11 C | |
| 456 | Benjamin-Moore, East end of Lister Avenue | Soil | NG | 0.58 C |

ND = Not Detected

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

C = Corrected for laboratory bias. Correction Factor = 1.24.

SECTION 11
TABLE 2 (cont'd)
ALL SAMPLES INCLUDING QA/QC
SELECTED GRID
7/11/83 - 8/9/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|--|-------------|--------------------------|--------------|
| | | | Initial | Repeat |
| 457 | Benjamin-Moore, East end of Lister Avenue | Soil | ND | ND duplicate |
| 458 | Fairmont Chemical, Blanchard St. | Soil | 0.82 C | |
| 459 | Fairmont Chemical, Blanchard St. | Soil | ND | |
| 460 | Fairmont Chemical, Blanchard St. | Soil | 0.10 C | |
| 461 | QA Reference Material A (Native) | Soil | 8.2 C | |
| 462 | Fairmont Chemical, Blanchard St. | Soil | 0.21 C | |
| 463 | Fairmont Chemical, Blanchard St. | Soil | 0.62 C | |
| 464 | Fairmont Chemical, Blanchard St. | Soil | ND | |
| 465 | Unknown Blank | Soil | ND | |
| 466 | Fairmont Chemical, Blanchard St. | Soil | 0.05 C | |
| 467 | Fairmont Chemical, Blanchard St. | Soil | ND | |
| 468 | Fairmont Chemical, Blanchard St. | Soil | 0.32 C | |
| 469 | Fairmont Chemical, Blanchard St. | Soil | 0.17 C | |

ND = Not Detected

C = Corrected for laboratory bias. Correction Factor = 1.24.

SECTION 11
TABLE 2 (cont'd)
ALL SAMPLES INCLUDING QA/QC
SELECTED GRID
7/11/83 - 8/9/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|--|-------------|--------------------------|--------|
| | | | Initial | Repeat |
| 470 | QA Reference Material D (Region VII) | Soil | 4.3 C | |
| 471 | Fairmont Chemical, Blanchard St. | Soil | 0.67 C | |
| 472 | Fairmont Chemical, Blanchard St. | Soil | ND | |
| 473 | North side of Albert Avenue | Soil | 0.10 C | |
| 474 | QA Reference Material A (Native) | Soil | 7.3 C | |
| 475 | Pilar Industries, corner of Lister Avenue and Chapel St. | Soil | ND | |
| 476 | Cellomer, corner of Albert and Cornelia Sts. | Soil | 0.14 C | |
| 477 | Corner of Albert Avenue and Chapel Sts. | Soil | 0.14 C | |
| 478 | Pilar Industries, corner of Lister Avenue and Chapel St. | Soil | ND ND duplicate | |
| 479 | QA Reference Material A (Native) | Soil | 6.6 C | |
| 480 | Stanley Tool Works, Chapel St. | Soil | 0.38 C | |
| 481 | Stanley Tool Works, Chapel St. | Soil | 0.99 C | |

ND = Not Detected

C = Corrected for laboratory bias. Correction Factor = 1.24.

SECTION 11
TABLE 2 (cont'd)
ALL SAMPLES INCLUDING QA/QC
SELECTED GRID
7/11/83 - 8/9/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|----------------------------------|-------------|--------------------------|--------|
| | | | Initial | Repeat |
| 482 | Stanley Tool Works, Chapel St. | Soil | ND | |
| 483 | Stanley Tool Works, Chapel St. | Soil | ND | |
| 484 | Stanley Tool Works, Chapel St. | Soil | ND | |
| 485 | Stanley Tool Works, Chapel St. | Soil | ND | |
| 486 | Unknown Blank | Soil | ND | |
| 487 | Stanley Tool Works, Chapel St. | Soil | ND | |
| 488 | Stanley Tool Works, Chapel St. | Soil | ND | |
| 489 | Stanley Tool Works, Chapel St. | Soil | NG | ND |
| 490 | Known Blank (Matrix Spike) | Soil | 1.3 C | |
| 491 | Stanley Tool Works, Chapel St. | Soil | ND | |
| 492 | Stanley Tool Works, Chapel St. | Soil | ND | |
| 493 | Stanley Tool Works, Chapel St. | Soil | ND | |
| 494 | Stanley Tool Works, Chapel St. | Soil | ND | |
| 495 | QA Reference Material A (Native) | Soil | 7.2 C | |

ND = Not Detected

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

C = Corrected for laboratory bias. Correction Factor = 1.24.

SECTION 11
TABLE 2 (cont'd)
ALL SAMPLES INCLUDING QA/QC
SELECTED GRID
7/11/83 - 8/9/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|---|-------------|--------------------------|--------|
| | | | Initial | Repeat |
| 496 | Palmer Industries, Lister Avenue | Soil | 0.30 | C |
| 497 | Palmer Industries, Lister Avenue | Soil | 0.56 | C |
| 498 | Palmer Industries, Lister Avenue | Soil | 3.5 | C |
| 499 | Palmer Industries, Lister Avenue | Soil | 5.5 | C |
| 500 | Palmer Industries, Lister Avenue | Soil | 6.2 | C |
| 522 | Palmer Industries, Lister Avenue | Soil | ND | |
| 525 | Palmer Industries, Lister Avenue | Soil | ND | |
| 526 | Palmer Industries, Lister Avenue | Soil | 0.16 | C |
| 527 | Stanley Tool Works, Chapel St. | Soil | 0.31 | C |
| 528 | Palmer Industries, Lister Avenue | Soil | ND | |
| 529 | QA Reference Material A (Native) | Soil | 7.9 | C |
| 530 | Intercity Steel, corner of Chapel and Albert Sts. | Soil | ND | |
| 531 | Intercity Steel, corner of Chapel and Albert Sts. | Soil | 0.51 | C |

ND = Not Detected

C = Corrected for laboratory bias. Correction Factor = 1.24.

SECTION 11
TABLE 2 (cont'd)
ALL SAMPLES INCLUDING QA/QC
SELECTED GRID
7/11/83 - 8/9/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|---|-------------|--------------------------|--------------|
| | | | Initial | Repeat |
| 532 | Intercity Steel, corner of Chapel and Albert Sts. | Soil | 0.20 | C |
| 533 | Known Blank (Matrix Spike) | Soil | 1.1 | C |
| 534 | Intercity Steel, corner of Chapel and Albert Sts. | Soil | 0.21 | C |
| 535 | Intercity Steel, corner of Chapel and Albert Sts. | Soil | ND | ND duplicate |
| 536 | Sergeant Pulp and Chemical, Lister Avenue | Soil | 1.6 | C |
| 537 | Intercity Steel, Corner of Chapel and Albert Sts. | Soil | ND | |
| 538 | Intercity Steel, Corner of Chapel and Albert Sts. | Soil | 0.06 | C |
| 539 | Unknown Blank | Soil | ND | |
| 540 | Intercity Steel, Corner of Chapel and Albert Sts. | Soil | 0.32 | C |
| 541 | Trailer Vicinity Resampling, Cornelia St. | Soil | ND | |

ND = Not Detected

C = Corrected for laboratory bias. Correction Factor = 1.24.

SECTION 11
TABLE 2 (cont'd)
ALL SAMPLES INCLUDING QA/QC
SELECTED GRID
7/11/83 - 8/9/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|---|-------------|--------------------------|--------|
| | | | Initial | Repeat |
| 542 | Trailer Vicinity Resampling, Cornelia St. | Soil | ND | |
| 543 | Trailer Vicinity Resampling, Cornelia St. | Soil | 0.52 C | |
| 544 | Trailer Vicinity Resampling, Cornelia St. | Soil | 0.25 C | |
| 545 | Unknown Blank | Soil | ND | |
| 546 | Trailer Vicinity Resampling, Cornelia St. | Soil | ND | |
| 547 | Trailer Vicinity Resampling, Cornelia St. | Soil | ND | |
| 548 | Trailer Vicinity Resampling, Cornelia St. | Soil | 1.1 C | |
| 549 | Trailer Vicinity Resampling, Cornelia St. | Soil | ND | |
| 550 | QA Reference Material A (Native) | Soil | 6.9 C | |
| 551 | Trailer Vicinity Resampling, Cornelia St. | Soil | 0.81 C | |
| 552 | Trailer Vicinity Resampling, Cornelia St. | Soil | ND | |

ND = Not Detected

C = Corrected for laboratory bias. Correction Factor = 1.24.

SECTION 11
TABLE 2 (cont'd)
ALL SAMPLES INCLUDING QA/QC
SELECTED GRID
7/11/83 - 8/9/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|---|-------------|--------------------------|--------|
| | | | Initial | Repeat |
| 553 | Stanley Tool Works | Soil | 0.15 C | |
| 554 | Adjacent to RR Tracks, West of Cornelia St. | Soil | 0.53 C | |
| 555 | Adjacent to RR Tracks, West of Cornelia St. | Soil | 0.11 C | |
| 556 | QA Reference Material A (Native) | Soil | 6.3 C | |
| 557 | Adjacent to RR Tracks, West of Cornelia St. | Soil | ND | |
| 558 | Adjacent to RR Tracks, West of Cornelia St. | Soil | 0.12 C | |
| 559 | Adjacent to RR Tracks, West of Cornelia St. | Soil | ND | |
| 560 | Adjacent to RR Tracks, West of Cornelia St. | Soil | ND | |
| 561 | Known Blank (Matrix Spike) | Soil | 1.0 C | |
| 562 | Adjacent to RR Tracks West of Cornelia St. | Soil | ND | |
| 563 | Adjacent to RR Tracks West of Cornelia St. | Soil | ND | |

ND = Not Detected

C = Corrected for laboratory bias. Correction Factor = 1.24.

SECTION 11
TABLE 2 (cont'd)
ALL SAMPLES INCLUDING QA/QC
SELECTED GRID
7/11/83 - 8/9/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|---|-------------------------|--------------------------|--------|
| | | | Initial | Repeat |
| 564 | Dust from Air Conditioner at Duralac, Lister Avenue | Air Conditioning Filter | NG | 1.6 C |
| 565 | Vacant Lot between Joseph and Esther Sts., South of Albert Avenue | Soil | ND | |
| 566 | QA Reference Material A (Native) | Soil | 12 C | |
| 567 | Vacant Lot between Joseph and Esther Sts., South of Albert Avenue | Soil | ND | |
| 568 | Vacant Lot between Joseph and Esther Sts., South of Albert Avenue | Soil | ND ND duplicate | |
| 569 | #33 Esther Street | Soil | 0.16 C | |
| 570 | Glicken Brothers, Esther Street | Soil | 1.2 C | |
| 571 | #13 Esther Street | Soil | NG | NG |
| 572 | Messinger Trucking, Lockwood Street | Soil | 0.57 C | |
| 573 | Brady Iron and Metal, between Lockwood and Esther Streets | Soil | NG | 1.7 C |
| 574 | Messinger Trucking, Lockwood Street | Soil | 1.4 C | |

ND = Not Detected

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

C = Corrected for laboratory bias. Correction Factor = 1.24.

SECTION 11
TABLE 2 (cont'd)
ALL SAMPLES INCLUDING QA/QC
SELECTED GRID
7/11/83 - 8/9/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|---|-------------|--------------------------|--------------------------|
| | | | Initial | Repeat |
| 575 | QA Reference Material A (Native) | Soil | NG | 8.1 C 7.2 C duplicate |
| 576 | Known Blank (Matrix Spike) | Soil | 1.4 C | 1.3 C |
| 577 | Brady Iron and Metal, Between Lockwood and Esther Streets | Soil | 6.1 C | |
| 578 | Brady Iron and Metal, Between Lockwood and Esther Streets | Soil | 2.1 C | |
| 579 | Sergeant Pulp and Chemical, Lister Ave. | Soil | 1.5 C | |
| 580 | Sherwin-Williams, Lister Avenue | Soil | ND | |
| 581 | Sherwin-Williams, Lister Avenue | Soil | 1.6 C 1.6 C duplicate | |
| 582 | Sherwin-Williams, Lister Avenue | Soil | 0.93 C | |
| 583 | Sherwin-Williams, Lister Avenue | Soil | NG | 0.88 C |
| 584 | Intercity Steel, Chapel St. | Soil | 0.88 C | |
| 585 | Intercity Steel, Chapel St. | Soil | ND | |

ND = Not Detected

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

C = Corrected for laboratory bias. Correction Factor = 1.24.

SECTION 11
TABLE 2 (cont'd)
ALL SAMPLES INCLUDING QA/QC
SELECTED GRID
7/11/83 - 8/9/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|---|-------------|----------------------------|--------|
| | | | Initial | Repeat |
| 589 | Unknown Blank | Soil | ND | |
| 590 | QA Reference Material A (Native) | Soil | NG | 6.2 C |
| 593 | Sergeant Pulp and Chemical, Lister Ave. | Soil | 0.61 C 0.61 C duplicate | |
| 594 | Sergeant Pulp and Chemical, Lister Ave. | Soil | ND | |
| 595 | 102 Albert Avenue | Soil | ND | |
| 596 | 55 Esther Street | Soil | ND | |
| 597 | 55 Esther Street | Soil | ND | |
| 598 | 100 Albert Avenue | Soil | ND | |
| 599 | 60 Joseph Street | Soil | ND | |
| 600 | 22 Joseph Street | Soil | 1.4 C | |
| 601 | 33 Esther Street | Soil | ND | |

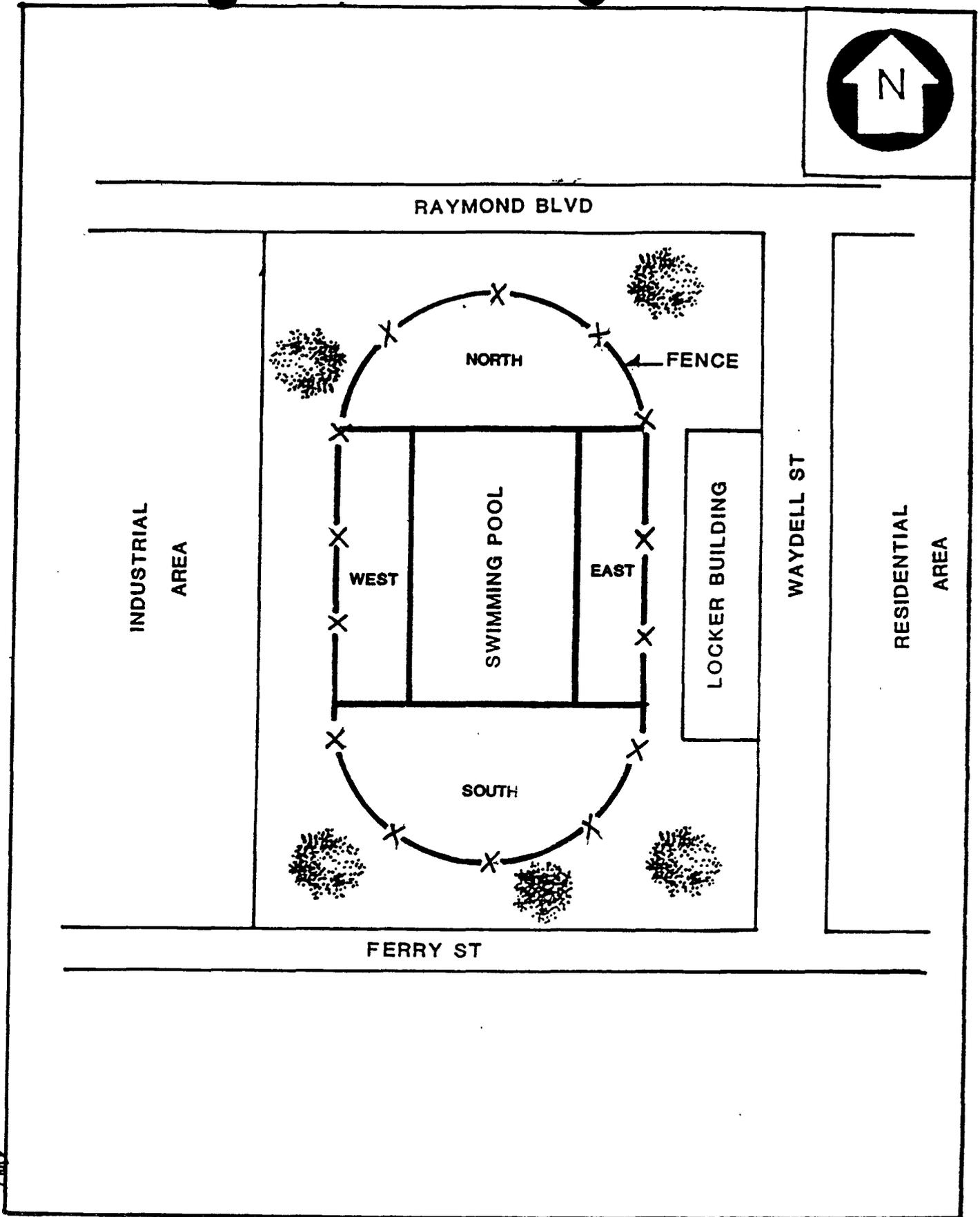
ND = Not Detected

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

C = Corrected for laboratory bias. Correction Factor = 1.24.

SECTION 12 INDEX
HAYES PARK EAST TAT VACUUM BAGS

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| 12-1 | Figure 1 |
| 12-2 | Table 1 |
| 12-3 | Table 2 |



80 LISTER AVE.
 HAYES PARK EAST

FIGURE 1

VACUUM BAG SAMPLING QUADRANTS



SECTION 12
TABLE 1
SAMPLES WITH CONCENTRATIONS 1 PPB OR GREATER
HAYES PARK EAST TAT VACUUM BAGS
7/18/83

| SAMPLE NUMBER | SAMPLE LOCATIONS | TCDD CONCENTRATION (ppb) | |
|---------------|------------------|-----------------------------|--------|
| | | Initial | Repeat |

No samples with concentrations 1 ppb or greater.

NOTES:

- (a) 4 samples were collected.
- (b) 2 samples had no detection of TCDD.
- (c) 2 samples were detected below 1.00 ppb TCDD.

SECTION 12
TABLE 2
ALL SAMPLES INCLUDING QA/QC
HAYES PARK EAST TAT VACUUM BAGS
7/18/83

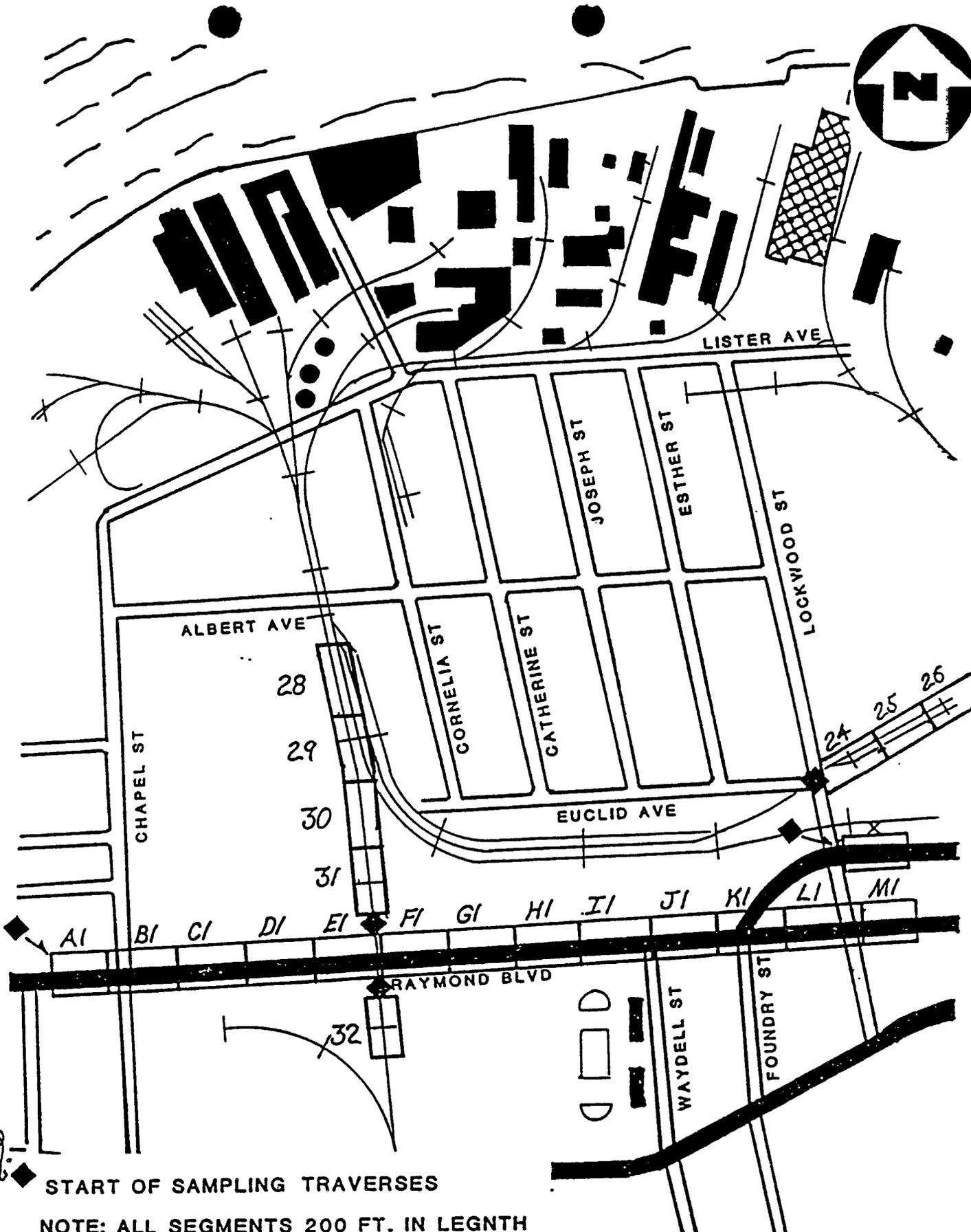
| SAMPLE NUMBER | SAMPLE LOCATIONS | TCDD CONCENTRATION (ppb) | |
|---------------|--|-----------------------------|--------------------|
| | | Initial | Repeat |
| G | South quadrant composite of eleven (11) vacuum bags | NG | ND ND duplicate |
| H | QA Reference Material A (Native) | 6.3 4.4 duplicate | |
| I | North quadrant composite of twelve (12) vacuum bags | 0.78 | |
| J | Unknown Blank | ND | |
| K | East quadrant composite of fourteen (14) vacuum bags | 0.47 | |
| L | West quadrant composite of ten (10) vacuum bags | NG | ND |
| M | Known Blank (Matrix Spike) | 1.0 | |
| N | QA Reference Material D (Region VII) | 2.9 | |

ND = Not Detected

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

SECTION 13 INDEX
TRANSPORTATION ROUTES PHASE II

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| 13-6 | Table 5 |
| 13-7 | Table 5 (cont'd) |
| 13-8 | Table 5 (cont'd) |
| 13-9 | Table 5 (cont'd) |
| 13-10 | Table 5 (cont'd) |
| 13-11 | Table 5 (cont'd) |



◆ START OF SAMPLING TRAVERSES
 NOTE: ALL SEGMENTS 200 FT. IN LENGTH

80 LISTER AVE
 NEWARK, NJ

SAMPLING SEGMENTS LOCATION MAP

FIGURE 1

SECTION 13
TABLE 1
SAMPLES WITH CONCENTRATIONS 1 PPB OR GREATER
TRANSPORTATION ROUTES PHASE II
RAILROAD TRACKS SOUTHWEST OF 80 LISTER AVENUE
8/11/83 - 8/18/83

| SAMPLE NUMBER | SAMPLE LOCATIONS | TCDD CONCENTRATION (ppb) | |
|---------------|------------------|-----------------------------|--------|
| | | Initial | Repeat |

No samples with concentrations 1 ppb or greater.

NOTES:

- (a) 10 samples were collected.
- (b) 9 samples had no detection of TCDD.
- (c) 1 sample was detected below 1.00 ppb TCDD.

SECTION 13
TABLE 2
SAMPLES WITH CONCENTRATIONS 1 PPB OR GREATER
TRANSPORTATION ROUTES PHASE II
RAILROAD TRACKS SOUTHEAST OF 80 LISTER AVENUE
8/11/83 - 8/18/83

| SAMPLE NUMBER | SAMPLE LOCATIONS | TCDD CONCENTRATION (ppb) | |
|---------------|--|-----------------------------|--------|
| | | Initial | Repeat |
| 610 | Railroad tracks - Segment "26" (R) 20' from "0" | 1.2C | |

NOTES:

- (a) 6 samples were collected.
- (b) 2 samples had no detection of TCDD.
- (c) 3 samples were detected below 1.00 ppb TCDD.

SECTION 13
TABLE 3
SAMPLES WITH CONCENTRATIONS 1 PPB OR GREATER
TRANSPORTATION ROUTES PHASE II
RAYMOND BOULEVARD
8/11/83 - 8/18/83

| SAMPLE NUMBER | SAMPLE LOCATIONS | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|---|-------------|-----------------------------|--------|
| | | | Initial | Repeat |
| 635 | Raymond Blvd. - Segment "C1"1.1 (B) 30' from "0" | Soil | 1.4C | |
| 646 | Raymond Blvd. - Segment "I1"1.1 (B) 80' from "0" | Sweep | 1.4C | |
| 651 | Raymond Blvd. - Segment "I2" (R) 24' from "0" | Soil | 1.03C | |
| 652 | Raymond Blvd. - Segment "J1"1.2 (B) - 84' from "0" | Soil | 1.5C | |
| 655 | Raymond Blvd. - Segment "K1"1.1 (B) - 60' from "0" | Sweep | 1.4C | |
| 656 | Raymond Blvd. - Segment "K1" (R) 90' from "0" | Soil | 1.0C | |
| 663 | Raymond Blvd. - Segment "K1"1.7 (B) 45' from "0" | Soil | 2.1C | |
| 665 | Raymond Blvd. - Segment "M1" (R) 136' from "0" | Sweep | 1.03C | |
| 667 | Raymond Blvd. - Segment "L1"4.3 (R) 196' from "0" | Soil | 5.3C | |
| 668 | Raymond Blvd. - Segment "M1"2.1 (B) 60' from "0" | Soil | 2.6C | |

NOTES:

- (a) 26 samples were collected.
- (b) 10 samples had no detection of TCDD.
- (c) 6 samples were detected below 1.00 ppb TCDD.
- (d) C = Corrected for laboratory bias. Correction factor = 1.24.

SECTION 13
 TABLE 4
 SAMPLES WITH CONCENTRATIONS 1 PPB OR GREATER
 TRANSPORTATION ROUTES PHASE II
 PULASKI SKYWAY OFF-RAMP
 8/11/83 - 8/18/83

| SAMPLE NUMBER | SAMPLE LOCATIONS | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|--|-------------|-----------------------------|--------|
| | | | Initial | Repeat |
| 669 | Pulaski Skyway - Segment "X1" (B) 110' from "0" | Soil | 4.3C | |
| 666 | Pulaski Skyway - Segment "X1" (R) 182' from "0" | Soil | 1.9C | |

NOTES:

- (a) 2 samples were collected.
- (b) C = Corrected for laboratory bias. Correction factor = 1.24.

SECTION 13
TABLE 5
ALL SAMPLES INCLUDING QA/QC
TRANSPORTATION ROUTES PHASE II
8/11/83 - 8/17/83

SAMPLE DESCRIPTIONS

"O" denotes end point of particular segment closest to the start of the sampling traverse.

(R) denotes sample taken at a random distance from "O".

(B) denotes sample taken at a biased distance from "O".

| SAMPLE NUMBER | SAMPLE LOCATIONS | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|---|--------------------------|-----------------------------|--------|
| | | | Initial | Repeat |
| 602 | Unknown Blank | Soil | ND | |
| 605 | R.R. Tracks - Segment "25" (R) 34' from "O" | Composite (Soil-Soil) | ND | |
| 606 | R.R. Tracks - Segment "24" (R) 34' from "O" | Composite (Soil-Soil) | 0.43C 0.40C duplicate | |
| 607 | QA Reference Material A (Native) | Soil | 7.4C | |
| 608 | R.R. Tracks - Segment "26" (B) 164' from "O" | Soil | NG | 0.97C |
| 609 | R.R. Tracks - Segment "25" (B) 141' from "O" | Soil | 0.21C | |
| 610 | R.R. Tracks - Segment "26" (R) 20' from "O" | Soil | 1.2C | |
| 611 | R.R. Tracks - Segment "30" (B) 40' from "O" | Soil | 0.41C | |
| 612 | R.R. Tracks - Segment "24" (B) 64' from "O" | Soil | ND | |

ND = Not Detected

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

C = Corrected for laboratory bias. Correction factor = 1.24.

SECTION 13
 TABLE 5 (cont'd)
 ALL SAMPLES INCLUDING QA/QC
 TRANSPORTATION ROUTES PHASE II
 8/11/83 - 8/17/83

| SAMPLE NUMBER | SAMPLE LOCATIONS | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|---|-------------|-----------------------------|--------|
| | | | Initial | Repeat |
| 613N | Known Blank (Matrix Spike) | Soil | 1.3C | |
| 614 | R.R. Tracks - Segment "31" (B) 60' from "O" | Soil | ND | |
| 615 | R.R. Tracks - Segment "32" (B) 150' from "O" | Soil | ND | |
| 616 | R.R. Tracks - Segment "32" (R) 84' from "O" | Soil | ND | |
| 617 | R.R. Tracks - Segment "28" (B) 30' from "O" | Soil | ND | |
| 618 | QA Reference Material A (Native) | Soil | 6.5C | |
| 619 | R.R. Tracks - Segment "29" (B) 120' from "O" | Soil | ND | |
| 620 | R.R. Tracks - Segment "28" (R) 120' from "O" | Soil | ND | |
| 621 | R.R. Tracks - Segment "30" (R) 154' from "O" | Soil | ND | |
| 622 | R.R. Tracks - Segment "31" (R) 174' from "O" | Soil | ND | |

ND = Not Detected

C = Corrected for laboratory bias. Correction factor = 1.24.

SECTION 13
 TABLE 5 (cont'd)
 ALL SAMPLES INCLUDING QA/QC
 TRANSPORTATION ROUTES PHASE II
 8/11/83 - 8/17/83

| SAMPLE NUMBER | SAMPLE LOCATIONS | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|---|-------------|-----------------------------|--------|
| | | | Initial | Repeat |
| 623 | R.R. Tracks - Segment "29" (R) 42' from "O" | Soil | ND | |
| 630 | Raymond Blvd. - Segment "A1" (R) 172' from "O" | Soil | ND | |
| 631N | Known Blank (Matrix Spike) | Soil | 1.3C | |
| 632 | Raymond Blvd. - Segment "A1" (B) 48' from "O" | Soil | ND | |
| 633 | Raymond Blvd. - Segment "C1" (R) 156' from "O" | Soil | ND | |
| 634 | Raymond Blvd. - Segment "B1" (B) 132' from "O" | Soil | ND | |
| 635 | Raymond Blvd. - Segment "C1" (B) 30' from "O" | Soil | 1.4C | |
| 636 | Raymond Blvd. - Segment "B1" (R) 66' from "O" | Soil | 0.69C | |
| 637 | QA Reference Material A (Native) | Soil | 6.6C | |
| 638 | Raymond Blvd. - Segment "F1" (B) 155' from "O" | Soil | ND | |

ND = Not Detected

C = Corrected for laboratory bias. Correction factor = 1.24.

SECTION 13
TABLE 5 (cont'd)
ALL SAMPLES INCLUDING QA/QC
TRANSPORTATION ROUTES PHASE II
8/11/83 - 8/17/83

| SAMPLE NUMBER | SAMPLE LOCATIONS | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|---|-------------|-----------------------------|--------|
| | | | Initial | Repeat |
| 639 | Unknown Blank | Soil | ND | |
| 640 | Raymond Blvd. - Segment "E1" (B) 100' from "O" | Soil | ND | |
| 641 | Raymond Blvd. - Segment "D1" (R) 14' from "O". | Sweep | ND | |
| 642 | Raymond Blvd. - Segment "F1" (R) 4' from "O" | Soil | ND | |
| 643 | Raymond Blvd. - Segment "E1" (R) 66' from "O" | Soil | 0.56C | |
| 644 | Raymond Blvd. - Segment "D1" (B) 105' from "O" | Soil | ND | |
| 645 | Raymond Blvd. - Segment "G1" (R) 17' from "O" | Soil | ND ND duplicate | |
| 646 | Raymond Blvd. - Segment "I1" (B) 80' from "O" | Sweep | 1.4C | |
| 647 | Raymond Blvd. - Segment "H1" (R) 167' from "O" | Soil | 0.25C | |
| 648 | Raymond Blvd. - Segment "G1" (B) 165' from "O" | Soil | 0.38C | |
| 649 | Raymond Blvd. - Segment "H1" (B) 36' from "O" | Soil | 0.21C | |

ND = Not Detected

C = Corrected for laboratory bias. Correction factor = 1.24.

SECTION 13
TABLE 5 (cont'd)
ALL SAMPLES INCLUDING QA/QC
TRANSPORTATION ROUTES PHASE II
8/11/83 - 8/17/83

| SAMPLE NUMBER | SAMPLE LOCATIONS | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|--|-------------|-----------------------------|--------|
| | | | Initial | Repeat |
| 650 | QA Reference Material A (Native) | Soil | 7.3C | |
| 651 | Raymond Blvd. - Segment "I1" (R) 24' from "O" | Soil | 1.03C | |
| 652 | Raymond Blvd. - Segment "J1" (B) - 84' from "O" | Soil | 1.5C | |
| 654 | Raymond Blvd. - Segment "J1" (R) 54' from "O" | Sweep | 0.78C | |
| 655 | Raymond Blvd. - Segment "K1" (B) 60' from "O" | Sweep | 1.4C | |
| 656 | Raymond Blvd. - Segment "K1" (R) 90' from "O" | Soil | 1.0C | |
| 663 | Raymond Blvd. - Segment "L1" (B) 45' from "O" | Soil | 2.1C | |
| 664 | Spike A (Native) | Soil | 6.1C | |
| 665 | Raymond Blvd. - Segment "M1" (R) 136' from "O" | Sweep | 1.03C | |
| 666 | Pulaski Skyway - Segment "X1" (R) 182' from "O" | Soil | 1.9C | |

C = Corrected for laboratory bias. Correction factor = 1.24.

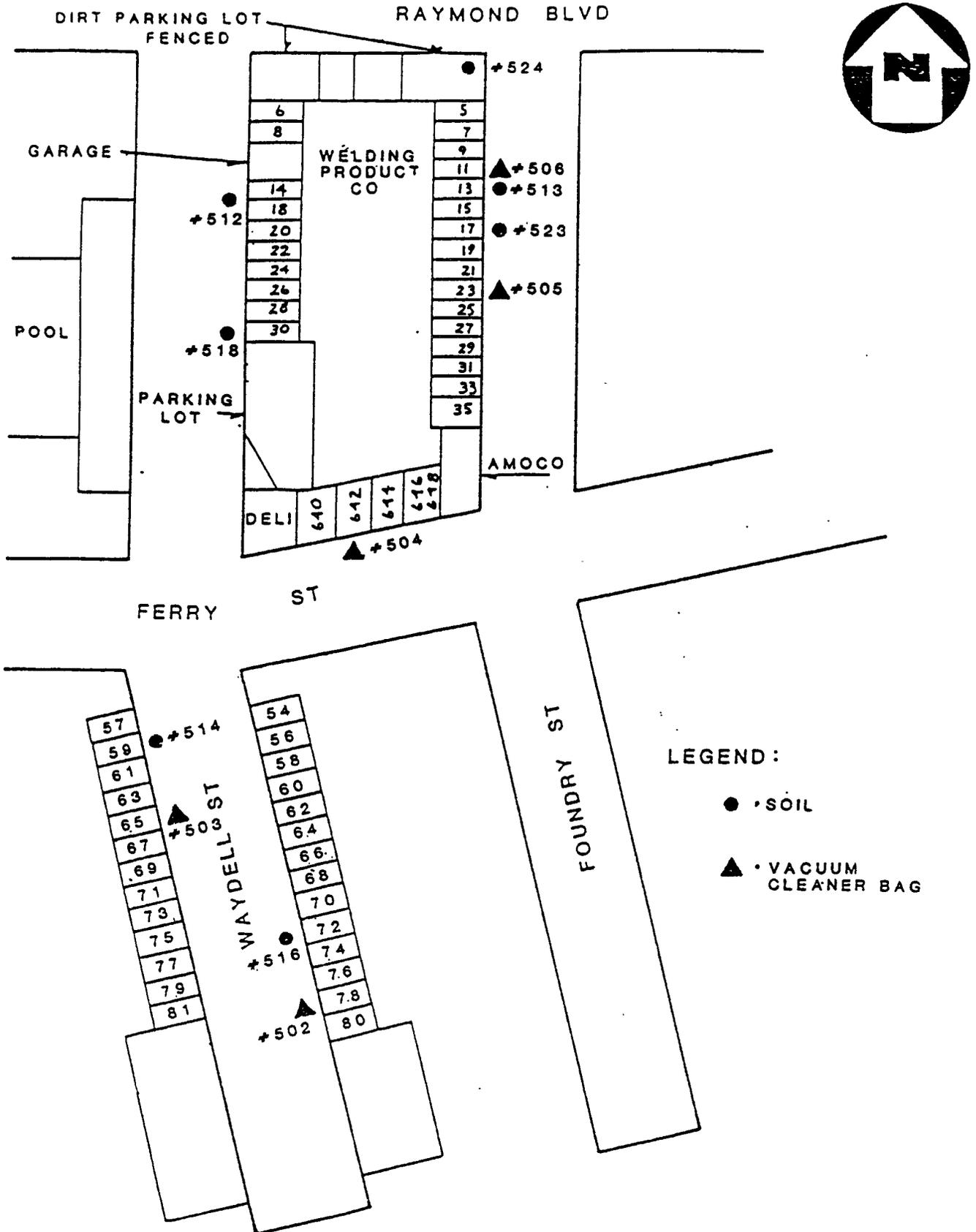
SECTION 13
 TABLE 5 (cont'd)
 ALL SAMPLES INCLUDING QA/QC
 TRANSPORTATION ROUTES PHASE II
 8/11/83 - 8/17/83

| SAMPLE NUMBER | SAMPLE LOCATIONS | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|--|-------------|-----------------------------|--------|
| | | | Initial | Repeat |
| 667 | Raymond Blvd. - Segment "L1" (R) 196' from "O" | Soil | 5.3C | |
| 668 | Raymond Blvd. - Segment "M1" (B) 60' from "O" | Soil | 2.6C | |
| 669 | Pulaski Skyway - Segment "X1" (B) 110' from "O" | Soil | 4.3C | |

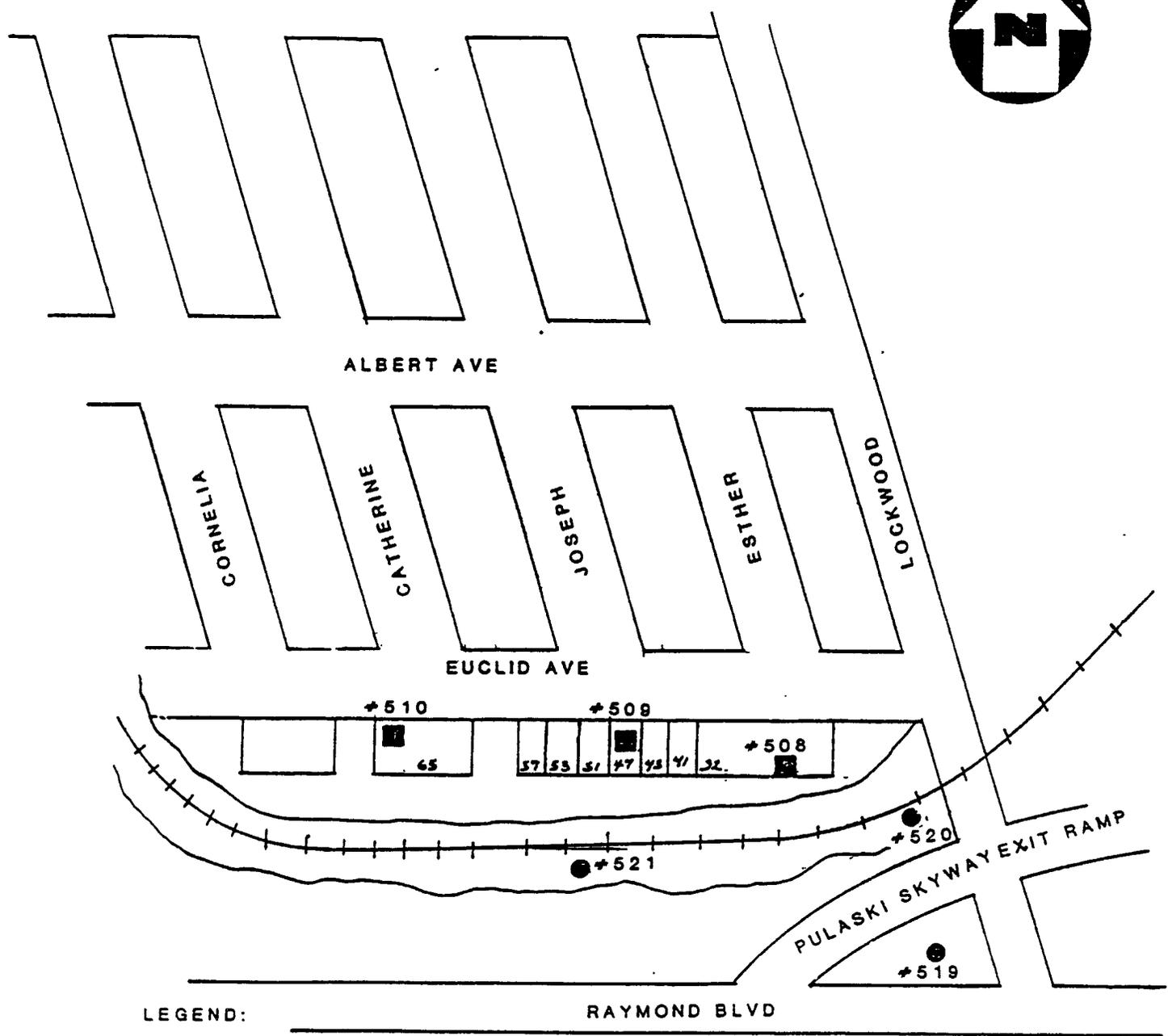
C = Corrected for laboratory bias. Correction factor = 1.24.

SECTION 14 INDEX
PUBLIC CONTACT AREAS PHASE II

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| 14-2 | Figure 2 |
| 14-3 | Table 1 |
| 14-4 | Table 2 |
| 14-5 | Table 2 (cont'd) |



SAMPLE LOCATION MAP
PUBLIC CONTACT AREA
PHASE - 2
80 LISTER AVE
NEWARK, N.J.



LEGEND:

- - LOCATION AND NO. OF AIR INTAKE FILTER
- - LOCATION AND NO. OF SOIL SAMPLE

SAMPLE LOCATION MAP
80 LISTER AVE
NOT TO SCALE

SECTION 14
TABLE I
SAMPLES WITH CONCENTRATIONS 1 PPB OR GREATER
PUBLIC CONTACT AREAS PHASE II
7/26/83

| SAMPLE NUMBER | SAMPLE LOCATION | RESIDENT | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|--|----------|-------------|--------------------------|--------|
| | | | | Initial | Repeat |
| 520 | Middle of rail-road tracks at at corner of Euclid and Lockwood Ave. Approx. 20 ft. west of junction | | Soil | 8.06 | C |
| 521 | Southside of rail-tracks 3RR ties east of RR nail #6+00R. 6 fence posts west of fence corner on south side of tracks | | Soil | 3.1 | C |
| 524 | Corner of Foundry St. and Raymond Blvd. 30 ft. west of light pole 85 V. | | Soil | 1.1 | C |

NOTES:

- (a) 18 samples were collected.
- (b) 10 samples had no detection of TCDD.
- (c) 4 samples were detected below 1.00 ppb TCDD.
- (d) 1 sample did not pass EPA monitoring Management Branch QA/QC requirements.
- (e) C = Corrected for laboratory bias. Correction Factor = 1.24

SECTION 14
TABLE 2
ALL SAMPLES INCLUDING QA/QC
PUBLIC CONTACT AREAS PHASE II
7/26/83

| SAMPLE NUMBER | SAMPLE LOCATION | RESIDENT | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|---|--------------------------|-------------|--------------------------|--------|
| | | | | Initial | Repeat |
| 501 | Vacuum cleaner bag blank | | Soil | ND | |
| 502 | 78 Waydell Street | Buske | Vacuum bag | ND | |
| 503 | 65 Waydell Street | Gorney | Vacuum bag | ND | |
| 504 | 642 Ferry Street | Sieracki | Vacuum bag | ND | |
| 505 | 23 Foundry Street | Blozen | Vacuum bag | NG | 0.29 C |
| 506 | 11 Foundry Street | Jachym | Vacuum bag | NG | ND |
| 507 | QA Reference Material A (Native) | | Soil | 9.3 C | |
| 508 | Reddaway Mfg. Co. 32 Euclid Ave. | Vince Lacaruba | Air filter | NG | NG |
| 509 | Continental Snack | Tony Lombardi | Air filter | ND | |
| 510 | Enright Refining 65 Euclid Ave. | John McCormick | Air filter | 0.43 C | |
| 511 | Unknown Blank | | Soil | ND | |
| 512 | Lawn between #14 and #18 Waydell St. Approx. 2 ft. from first fence pole closest to #18 | Flynn #14 Waydell St. | Soil | 0.81 C | |
| 513 | 13 Foundry Street Approx. 2" from center of pole | Farley | Soil | ND | |
| 514 | 59 Waydell Street Approx. center of front yard. Approx. 6" from white fence | Kraly | Soil | ND | |

ND = Not Detected
 NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.
 C = Corrected for laboratory bias. Correction Factor = 1.24

SECTION 14
TABLE 2 (cont.)
ALL SAMPLES INCLUDING QA/QC
PUBLIC CONTACT AREAS PHASE II
7/26/83

| SAMPLE NUMBER | SAMPLE LOCATION | RESIDENT | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|--|------------|-------------|--------------------------|---------------------------------|
| | | | | Initial | Repeat |
| 515 | QA Reference Material A (Native) | | Soil | 7.1 C | |
| 516 | 72 Waydell Street Approx. 4" from center of basement window | Lebo | Soil | ND ND duplicate | |
| 517 | Known Blank (Matrix Spike) | | Soil | 1.2 C | 1.5 C |
| 518 | 30 Waydell Street Approx. 6" from fence between gate and front porch | Wesolowski | Soil | ND | |
| 519 | Grass triangle median At intersection of Raymond Blvd and Pulaski Skyway exit ramp. Approx. 50 ft. south of "Reward Sign" | | Soil | ND | |
| 520 | Middle of railroad tracks at corner of Euclid and Lockwood Ave. Approx. 20 ft. west of junction | | Soil | 8.1 C | |
| 521 | Southside of railroad tracks 3RR ties east of RR nail #6+00R. 6 fence posts west of fence corner on south side of tracks | | Soil | 3.1 C | |
| 523 | Corner of yard of 17 Foundry Street | Mrs. Costa | Soil | NG | 0.36 C 0.3 C duplicate ND |
| 524 | Corner of Foundry St. and Raymond Blvd. 30 ft. west of light pole 85V | | Soil | 1.1 C | |

ND = Not Detected

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

C = Corrected for laboratory bias. Correction Factor = 1.24

SECTION 15 INDEX
LOCKWOOD STREET TAT VACUUMING REFUSE

| <u>Page</u> | <u>Description</u> |
|-------------|--------------------|
| 15-1 | Table 1 |
| 15-2 | Table 2 |

SECTION 15
TABLE 1
SAMPLES WITH CONCENTRATIONS 1 PPB OR GREATER
LOCKWOOD STREET TAT VACUUMING REFUSE
8/10/83

| SAMPLE NUMBER | SAMPLE LOCATIONS | TCDD CONCENTRATION (ppb) | |
|---------------|---|-----------------------------|--------|
| | | Initial | Repeat |
| 588 | 25 pound bag of dirt, gravel, and weeds. | Hexane Rinse | 1.1C |

NOTES:

- (a) 4 samples were collected.
- (b) 2 samples had no detection of TCDD.
- (c) 1 sample did not pass EPA Monitoring Management Branch QA/QC requirements.
- (d) C = Correction for laboratory bias. Correction factor - 1.24

SECTION 15
TABLE 2
ALL SAMPLES INCLUDING QA/QC
LOCKWOOD STREET TAT VACUUMING REFUSE
8/10/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|--|--------------|--------------------------|--------|
| | | | Initial | Repeat |
| 586 | 10-lb. bag of weeds | Hexane Rinse | ND | |
| 587 | 30-lb. bag of rocks | Hexane Rinse | ND | |
| 588 | 25-lb. bag of papers, wood, glass, leaves, cans, cardboard | Hexane Rinse | 1.1 C | |
| 591 | 15-lb. bag of dirt, gravel, and weeds | Hexane Rinse | NG could not be analyzed | |
| 592 | Unknown Blank | Soil | ND | |
| 603 | QA Reference Material A (Native) | Soil | 6.2 C | |
| 604 | Unknown Blank | Soil | ND | |
| 660 | Known Blank (Matrix Spike) | Soil | 1.3 C | |

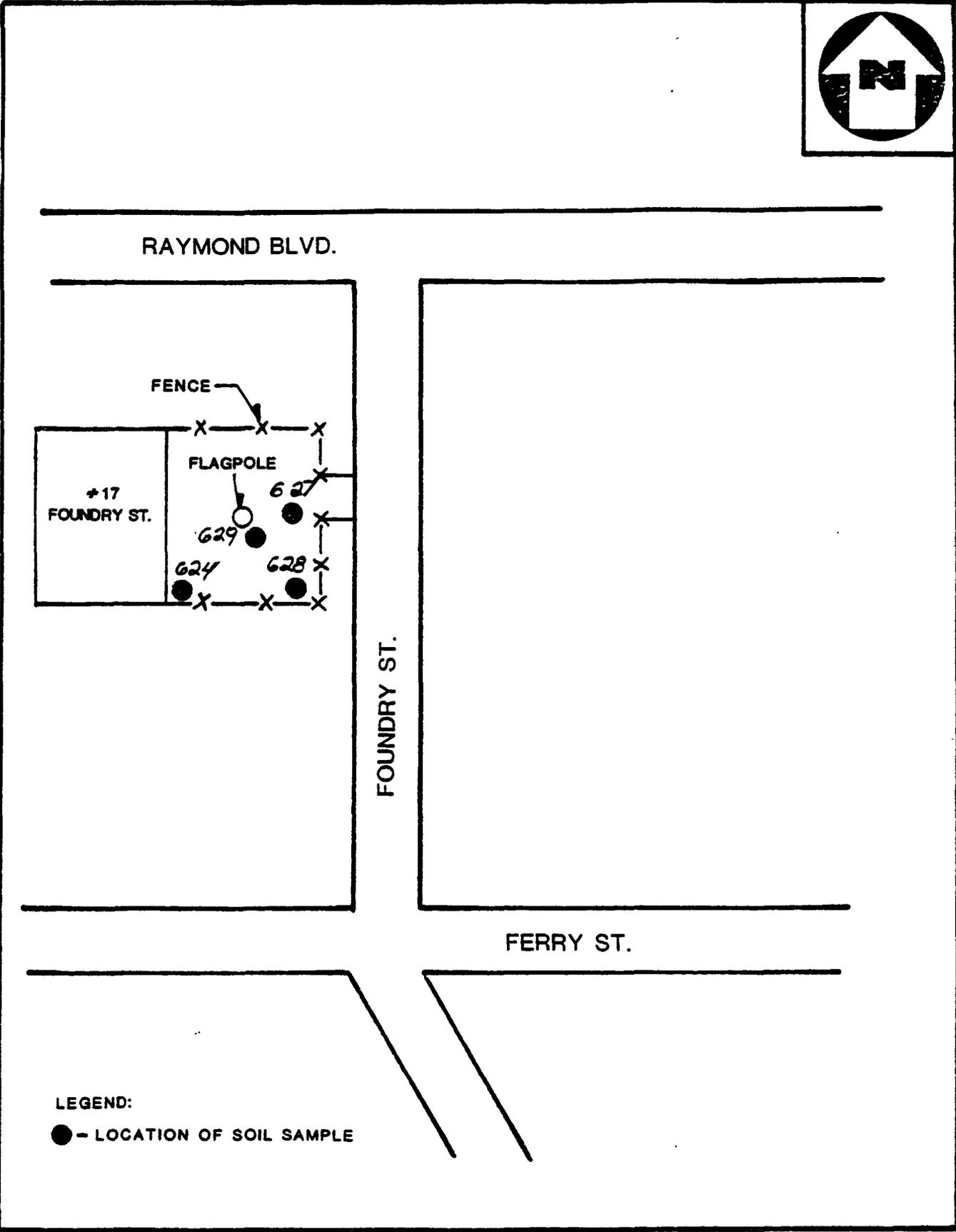
ND = Not Detected

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

C = Corrected for laboratory bias. Correction Factor = 1.24

SECTION 16 INDEX
17 FOUNDRY STREET

| <u>Page</u> | <u>Description</u> |
|-------------|--------------------|
| 16-1 | Figure 1 |
| 16-2 | Table 1 |
| 16-3 | Table 2 |



17 FOUNDRY ST.
80 LISTER AVE.
NEWARK, N.J.

SAMPLE LOCATION MAP

16-1



**SECTION 16
TABLE 1
SAMPLES WITH CONCENTRATIONS 1 PPB OR GREATER
17 FOUNDRY STREET
8/16/83**

| SAMPLE NUMBER | SAMPLE LOCATIONS | TCDD CONCENTRATION (ppb) | |
|---------------|------------------|-----------------------------|--------|
| | | Initial | Repeat |

No samples with concentrations 1 ppb or greater.

NOTES:

- (a) 4 Samples were collected.
- (b) 2 Samples were not detected.
- (c) 2 Samples were detected below 1.00 ppb TCDD.

SECTION 16
TABLE 2
ALL SAMPLES INCLUDING QA/QC
17 FOUNDRY STREET
8/16/83

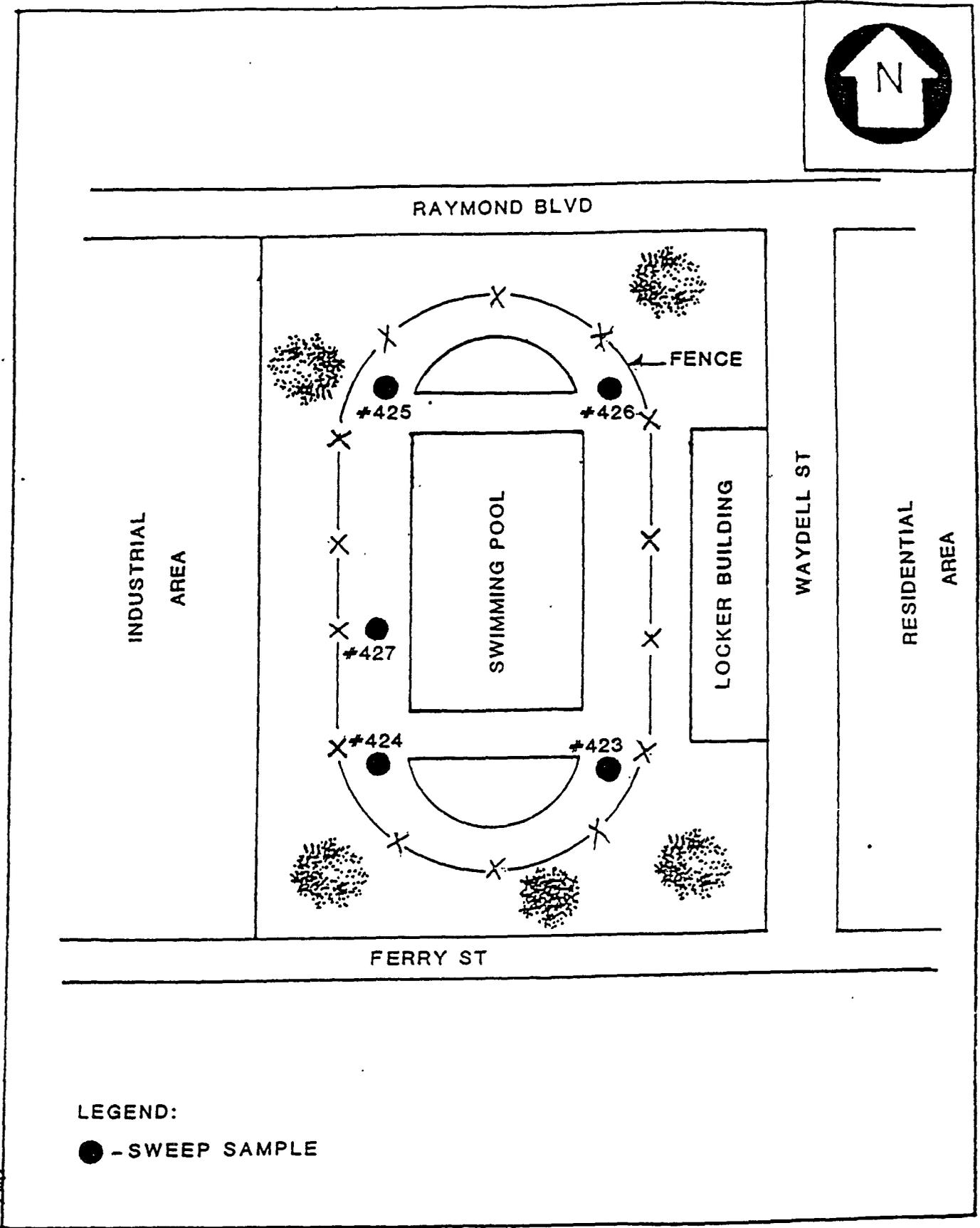
| SAMPLE NUMBER | SAMPLE LOCATIONS | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|----------------------------------|-------------|-----------------------------|--------|
| | | | Initial | Repeat |
| 624 | 17 Foundry Street | Soil | 0.14 C | |
| 625 | QA Reference Material A (Native) | Soil | 7.4 C | |
| 626 | Known Blank (Matrix Spike) | Soil | 1.2 C | |
| 627 | 17 Foundry Street | Soil | 0.12 C ND duplicate | |
| 628 | 17 Foundry Street | Soil | ND | |
| 629 | 17 Foundry Street | Soil | ND | |
| 657 | Unknown Blank | Soil | ND | |

ND = Not detected

C = Corrected for laboratory bias. Correction factor = 1.24.

SECTION 17 INDEX
HAYES PARK EAST BEFORE TAT CLEAN-UP

| <u>Page</u> | <u>Description</u> |
|-------------|--------------------|
| 17-1 | Figure 1 |
| 17-2 | Table 1 |
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RESAMPLING LOCATIONS
 HAYES PARK EAST

SECTION 17
TABLE 1
SAMPLES WITH CONCENTRATIONS 1 PPB OR GREATER
HAYES PARK EAST BEFORE TAT CLEAN-UP
7/13/83

| SAMPLE NUMBER | SAMPLE LOCATIONS | TCDD CONCENTRATION (ppb) | |
|---------------|------------------|-----------------------------|--------|
| | | Initial | Repeat |

No samples with concentrations 1 ppb or greater.

NOTES:

- (a) 5 samples were collected.
- (b) 5 samples are on hold and have not been shipped for analysis.

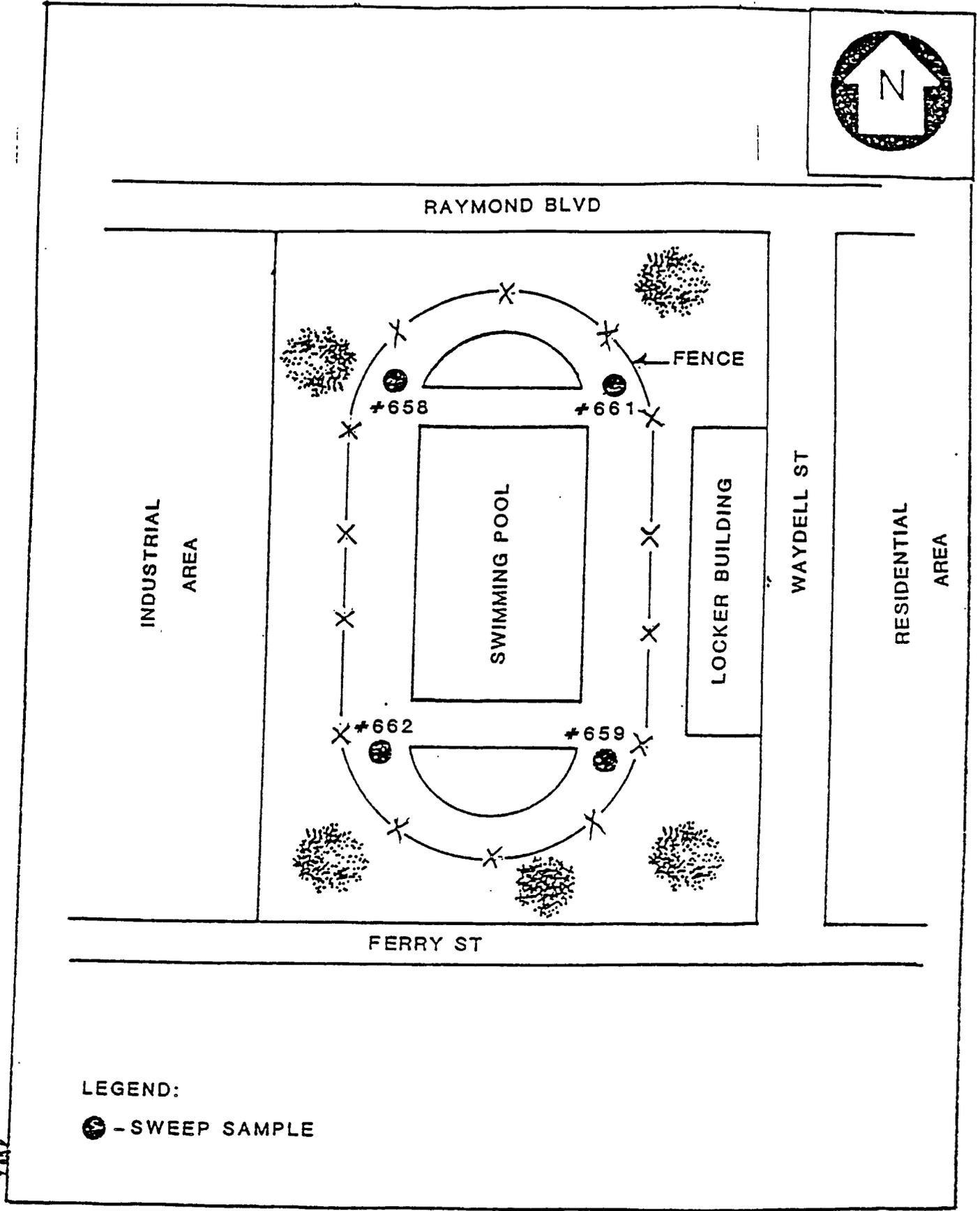
SECTION 17
 TABLE 2
 ALL SAMPLES INCLUDING QA/QC
 HAYES PARK EAST BEFORE TAT CLEAN-UP
 7/13/83

| SAMPLE NUMBER | SAMPLE LOCATIONS | TCDD CONCENTRATION (ppb) | |
|---------------|--------------------------------|-----------------------------|--------|
| | | Initial | Repeat |
| 423 | Southeast corner | OH | |
| 424 | Southwest corner | OH | |
| 425 | Northwest corner | OH | |
| 426 | Northeast corner | OH | |
| 427 | Southwest Electrical Outlet | OH | |

OH = On hold and have not been shipped for analysis.

SECTION 18 INDEX
HAYES PARK EAST AFTER TAT CLEAN-UP

| <u>Page</u> | <u>Description</u> |
|-------------|--------------------|
| 18-1 | Figure 1 |
| 18-2 | Table 1 |
| 18-3 | Table 2 |



SAMPLE LOCATIONS
HAYES PARK EAST

FIGURE 1



SECTION 18
TABLE I
SAMPLES WITH CONCENTRATIONS 1 PPB OR GREATER
HAYES PARK EAST AFTER TAT CLEAN-UP
8/17/83

| SAMPLE NUMBER | SAMPLE LOCATIONS | TCDD CONCENTRATION (ppb) | |
|---------------|------------------|-----------------------------|--------|
| | | Initial | Repeat |

No samples with concentrations 1 ppb or greater.

NOTES:

- (a) 4 samples were collected.
- (b) 3 samples had no detection of TCDD.
- (c) 1 sample was detected below 1.00 ppb TCDD.

SECTION 18
TABLE 2
ALL SAMPLES INCLUDING QA/QC
HAYES PARK EAST AFTER TAT CLEAN-UP
8/17/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|----------------------------------|-------------|--------------------------|--------|
| | | | Initial | Repeat |
| 603 | QA Reference Material A (Native) | Soil | 6.2 C | |
| 604 | Unknown Blank | Soil | ND | |
| 658 | Northwest corner of pool | Soil | ND ND duplicate | |
| 659 | Southeast corner of pool | Soil | ND | |
| 660 | Known Blank (Matrix Spike) | Soil | 1.3 C | |
| 661 | Northeast corner of pool | Soil | ND | |
| 662 | Southwest corner of pool | Soil | NG | 0.55 C |
| 664 | QA Reference Material A (Native) | Soil | 6.1 C | |

ND = Not Detected

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

C = Corrected for laboratory bias. Correction Factor = 1.24

SECTION 19 INDEX
NEWARK PARKS DEPT. PESTICIDE

| <u>Page</u> | <u>Description</u> |
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| 19-1 | Table 1 |
| 19-2 | Table 2 |

SECTION 19
TABLE 1
SAMPLES WITH CONCENTRATIONS 1 PPB OR GREATER
HAYES PARK EAST PESTICIDE DRUMS
7/12/83 AND 7/14/83

| SAMPLE NUMBER | SAMPLE LOCATIONS | TCDD CONCENTRATION (ppb) | |
|---------------|------------------|-----------------------------|--------|
| | | Initial | Repeat |

No samples with concentrations 1 ppb or greater.

NOTES:

- (a) 3 samples were collected.
- (b) 1 sample did not pass EPA Monitoring Management Branch QA/QC requirements.
- (c) 2 samples are on hold and have not been shipped for analysis.

SECTION 19
TABLE 2
ALL SAMPLES INCLUDING QA/QC
HAYES PARK EAST PESTICIDE DRUMS
7/12/83 AND 7/14/83

| SAMPLE NUMBER | SAMPLE LOCATIONS | TCDD CONCENTRATION (ppb) | |
|---|--|-----------------------------|--------|
| | | Initial | Repeat |
| ZN | Known Blank (Matrix Spike) | NG | |
| Z | The sample was received from the Newark Parks Department at the Park's Garage on Mulberry Street. A gallon liquid sample, #589-B-Z, was taken from a Bixon Chemical Co. pesticide drum. The contents of the drum had been sprayed on Hayes Park East in 1982. | NG NG duplicate | |
| No Sample Numbers. Samples not sent to lab. Samples in custody of NUS Corp. | 1-8 oz. sample collected from each of 2 drums at Newark Parks Department. Drum #1 marked "fenocil", manufactured by National Chemsearch. Drum #2 marked "Weed Go 20-2-1", manufactured by Malter International. | OH OH | |

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.
OH = On hold and samples have not been shipped for analysis.

**SECTION 20
NEWARK PARKS DEPT. PESTICIDE
DRUMS RINSATE**

Samples are in the custody of NUS Corporation. No samples sent to the lab for analyses.

SECTION 21 INDEX
TRANSPORTATION ROUTES POST - REMEDIAL ACTION

| <u>Page</u> | <u>Description</u> |
|-------------|--------------------|
| 21-1 | Figure 1 |
| 21-2 | Table 1 |
| 21-3 | Table 1 (cont'd) |
| 21-4 | Table 2 |
| 21-5 | Table 2 (cont'd) |
| 21-6 | Table 2 (cont'd) |
| 21-7 | Table 2 (cont'd) |

SECTION 21
TABLE 1
SAMPLES WITH CONCENTRATIONS 1 PPB OR GREATER
TRANSPORTATION ROUTES POST-REMEDIAL ACTION
9/1/83

SAMPLE TYPE - SWEEPINGS OF ROADWAY SEDIMENT

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|--|----------------------------|--------------------------|-----------|
| | | | Initial | Repeat |
| 702 | 80 Lister Ave. Segment "C" (R) 44' from "O" | Composite (Sweep-Sweep) | 1.0C | |
| 703 | 80 Lister Ave. Driveway - Segment "A" (R)-91' from "O" | Composite (Sweep-Sweep) | 2.6 C | |
| 704 | 80 Lister Ave. Driveway - Segment "A" (R)-60' from "O" | Composite (Sweep-Sweep) | 3.5 | |
| 711 | 80 Lister Ave. - Segment "B" (R) - 90' from "O" | Composite (Sweep-Sweep) | NG | 2.4 |
| 712 | 63 Joseph St.-Segment "HH" (R)-15' north of telephone pole | Composite (Sweep-Sweep) | 1.7 C | |
| 708 | 63 Joseph St.-Segment "HH" (R)-20' south of telephone pole | Composite (Sweep-Sweep) | 1.5 C | |
| 672 | Lockwood St.-Segment "K" (R)-168' from "O" | Composite (Sweep-Sweep) | NG | 1.3 |
| 675 | Lockwood St.-Segment "M" (R)-80' from "O" | Composite (Sweep-Sweep) | NG | NG 3.1 |
| 678 | Lockwood St.-Segment "L" (R)-170' from "O" | Composite (Sweep-Sweep) | NG | 1.2 |
| 679 | Lockwood ST.-Segment "N" (R)-2' from "O" | Composite (Sweep-Sweep) | NG | 2.7 |
| 673 | Lockwood St.-Segment "BB" (R)-2' from "O" | Composite (Sweep-Sweep) | NG | 6.0 |

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.
C = Corrected for laboratory bias. Correction Factor = 1.24.

SECTION 21
TABLE 1 (cont'd)
SAMPLES WITH CONCENTRATIONS 1 PPB OR GREATER
TRANSPORTATION ROUTES POST-REMEDIAL ACTION
9/1/83

SAMPLE TYPE - SWEEPINGS OF ROADWAY SEDIMENT

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|---|-------------------------|--------------------------|-----------|
| | | | Initial | Repeat |
| 682 | Lockwood ST.-Segment "CC" (R)-46' from "O" | Composite (Sweep-Sweep) | NG | NG 1.8 |
| 685 | Euclid Ave.-Segment "LL" (R)-96' from "O" | Composite (Sweep-Sweep) | NG | 2.6 |
| 681 | Pulaski Skyway Off Ramp-Segment "N1" (R)-14' from "O" | Composite (Sweep-Sweep) | NG | 7.3 |
| 683 | Pulaski Skyway Off Ramp-Segment "O1" (R)-67' from "O" | Composite (Sweep-Sweep) | NG | 2.3 |
| 695 | 80 Lister Ave. - Segment "C" (R) 182' from "O" | Composite (Sweep-Sweep) | 1.2C | |

NOTES:

- (a) 35 samples were collected.
- (b) 3 samples had no detection of TCDD.
- (c) 15 samples were detected below 1.00 ppb TCDD.
- (d) 1 sample did not pass EPA Monitoring Management Branch QA/QC requirements.
- (e) NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.
- (f) "O" denotes end point of segment closest to the site as one moves outward along the transportation route.
- (g) "R" denotes samples taken at a random distance from "O". Distances supplied by random number chart.
- (h) C = Corrected for laboratory bias. Correction Factor = 1.24.

SECTION 21
TABLE 2
ALL SAMPLES INCLUDING QA/QC
TRANSPORTATION ROUTES POST-REMEDIAL ACTION
9/1/83

SAMPLE TYPE - SWEEPINGS OF ROADWAY SEDIMENT

"O" denotes end point of segment closest to the site as one moves outward along the transportation route.

"R" denotes samples taken at a random distance from "O". Distances supplied by random number chart.

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|---|----------------------------|--------------------------|------------------------|
| | | | Initial | Repeat |
| 670 | Lockwood St.-Segment "H" (R)-122' from "O" | Composite (Sweep-Sweep) | NG | 0.30 |
| 671 | Lockwood St.-Segment "I" (R)-68' from "O" | Composite (Sweep-Sweep) | NG | 0.50 0.51 duplicate |
| 672 | Lockwood St.-Segment "K" (R)-168' from "O" | Composite (Sweep-Sweep) | NG | 1.3 |
| 673 | Lockwood St.-Segment "BB" (R)-2' from "O" | Composite (Sweep-Sweep) | NG | 6.0 |
| 674 | Lockwood St.-Segment "J" (R)-7' from "O" | Composite (Sweep-Sweep) | NG | 0.39 |
| 675 | Lockwood St.-Segment "M" (R)-80' from "O" | Composite (Sweep-Sweep) | NG | NG 3.1 |
| 676 | Known Blank (Matrix Spike) | Soil | NG | 1.3 |
| 677 | QA Reference Material A (Native) | Soil | NG | 7.6 |
| 678 | Lockwood St.-Segment "L" (R)-170' from "O" | Composite (Sweep-Sweep) | NG | 1.2 |
| 679 | Lockwood St.-Segment "N" (R)-166' from "O" | Composite (Sweep-Sweep) | NG | 2.7 |

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

SECTION 21
TABLE 2 (cont'd)
ALL SAMPLES INCLUDING QA/QC
TRANSPORTATION ROUTES POST-REMEDIAL ACTION
9/1/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|---|----------------------------|--------------------------|-----------|
| | | | Initial | Repeat |
| 680 | Euclid Ave.-Segment "MM" (R)-114' from "O" | Composite (Sweep-Sweep) | NG | 0.76 |
| 681 | Pulaski Skyway Off Ramp - Segment "N1" (R)-14' from "O" | Composite (Sweep-Sweep) | NG | 7.3 |
| 682 | Lockwood St.-Segment "CC" (R)-46' from "O" | Composite (Sweep-Sweep) | NG | NG 1.8 |
| 683 | Pulaski Skyway Off Ramp - Segment "O1" (R)-67' from "O" | Composite (Sweep-Sweep) | NG | 2.3 |
| 684 | Euclid Ave.-Segment "KK" (R)-8' from "O" | Composite (Sweep-Sweep) | NG | ND |
| 685 | Euclid Ave.-Segment "LL" (R)-96' from "O" | Composite (Sweep-Sweep) | NG | 2.6 |
| 686 | Unknown Blank | Soil | NG | ND |
| 687 | Esther St.-Segment "OO" (R)-186' from "O" | Composite (Sweep-Sweep) | NG | 0.34 |
| 688 | Esther St.-Segment "PP" (R)-158' from "O" | Composite (Sweep-Sweep) | NG | 0.26 |
| 689 | Esther St.-Segment "SS" (R)-158' from "O" | Composite (Sweep-Sweep) | NG | 0.32 |
| 690 | Esther St.-Segment "RR" (R)-196' from "O" | Composite (Sweep-Sweep) | NG | 0.22 |

ND = Not Detected

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

SECTION 21
TABLE 2 (cont'd)
ALL SAMPLES INCLUDING QA/QC
TRANSPORTATION ROUTES POST-REMEDIAL ACTION
9/1/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|--|----------------------------|--------------------------|--------|
| | | | Initial | Repeat |
| 691 | Albert Ave.-Segment "UU" (R)-150' from "O" | Composite (Sweep-Sweep) | NG | 0.48 |
| 692 | Esther St.-Segment "QQ" (R)-22' from "O" | Composite (Sweep-Sweep) | NG | 0.16 |
| 693 | QA Reference Material A (Native) | Soil | NG | 7.8 |
| 694 | Unknown Blank | Soil | ND ND duplicate | |
| 695 | Lister Ave. - Segment "C" (R)-182' from "O" | Composite (Sweep-Sweep) | 1.2 C | |
| 696 | Lister Ave. - Segment "B" (R)-182" from "O" | Composite (Sweep-Sweep) | NG | |
| 697 | Esther St. - Segment "TT" (R)-96' from "O" | Composite (Sweep-Sweep) | 0.51 C | |
| 698 | Lister Ave. - Segment "D" (R)-90' from "O" | Composite (Sweep-Sweep) | NG | ND |
| 699 | Lister Ave. - Segment "P" (R)-81' from "O" | Composite (Sweep-Sweep) | ND | |
| 700 | QA Reference Material A (Native) | Soil | 8.2 C | |
| 701 | Lister Ave. - Segment "O" (R)-146' from "O" | Composite (Sweep-Sweep) | NG | 0.12 |
| 702 | Lister Ave. - Segment "C" (R)-44' from "O" | Composite (Sweep-Sweep) | 1.0 C | |
| 703 | 80 Lister Ave. Driveway - Segment "A" (R)-91' from "O" | Composite (Sweep-Sweep) | 2.6 C | |

ND = Not Detected

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

C = Corrected for laboratory bias. Correction Factor = 1.24.

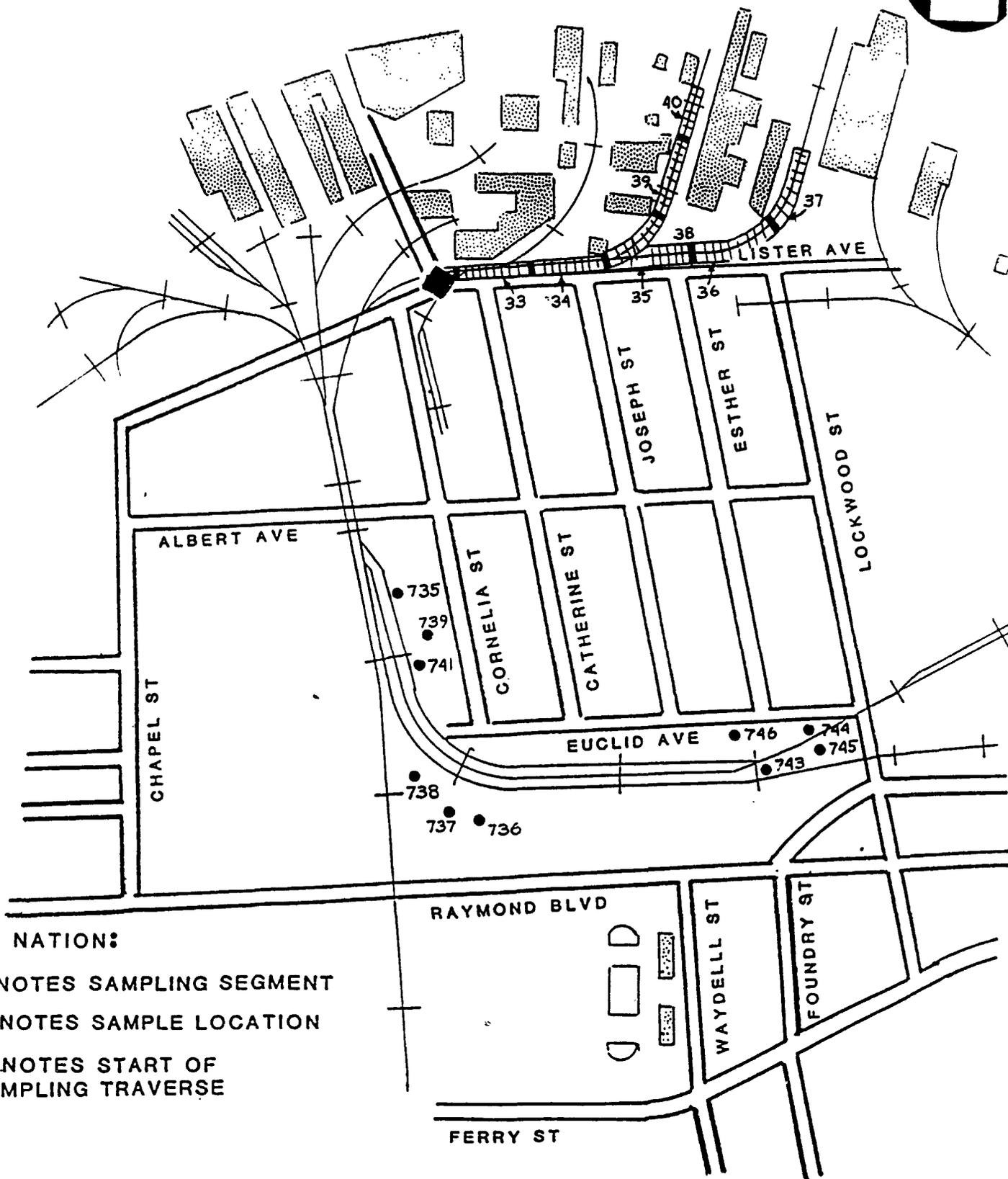
SECTION 21
TABLE 2 (cont'd)
ALL SAMPLES INCLUDING QA/QC
TRANSPORTATION ROUTES POST-REMEDIAL ACTION
9/1/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|--|-------------------------|--------------------------|--------|
| | | | Initial | Repeat |
| 704 | 80 Lister Ave. Driveway - Segment "A" (R)-60' from "O" | Composite (Sweep-Sweep) | 4.3 C | |
| 705 | 80 Lister Ave. Driveway - Segment "A" (R)-14' from "O" | Composite (Sweep-Sweep) | 0.83 C | |
| 706 | 80 Lister Ave. Driveway - Segment "A" (R)-48' from "O" | Composite (Sweep-Sweep) | 0.57 C | |
| 707 | 80 Lister Ave. Driveway - Segment "A" (R)-23' from "O" | Composite (Sweep-Sweep) | 0.86 C | |
| 708 | 63 Joseph St.-Segment "HH" (R)-20' south of telephone pole | Composite (Sweep-Sweep) | 1.5 C | |
| 709 | QA Reference Material A (Native) | Soil | 8.4 C | |
| 710 | Known Blank (Matrix Spike) | Soil | 1.6 C | |
| 711 | Lister Ave.-Segment "B" (R)-90' from "O" | Composite (Sweep-Sweep) | NG | 2.4 |
| 712 | 63 Joseph St.-Segment "HH" (R)-15' north of telephone pole | Composite (Sweep-Sweep) | 1.7 C | |

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.
C = Corrected for laboratory bias. Correction Factor = 1.24.

SECTION 22 INDEX
TRANSPORTATION ROUTES PHASE III

| Page | Description |
|-------------|--------------------|
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| 22-2 | Figure 2 |
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| 22-5 | Table 2 (cont'd) |
| 22-6 | Table 2 (cont'd) |
| 22-7 | Table 2 (cont'd) |



EXPLANATION:

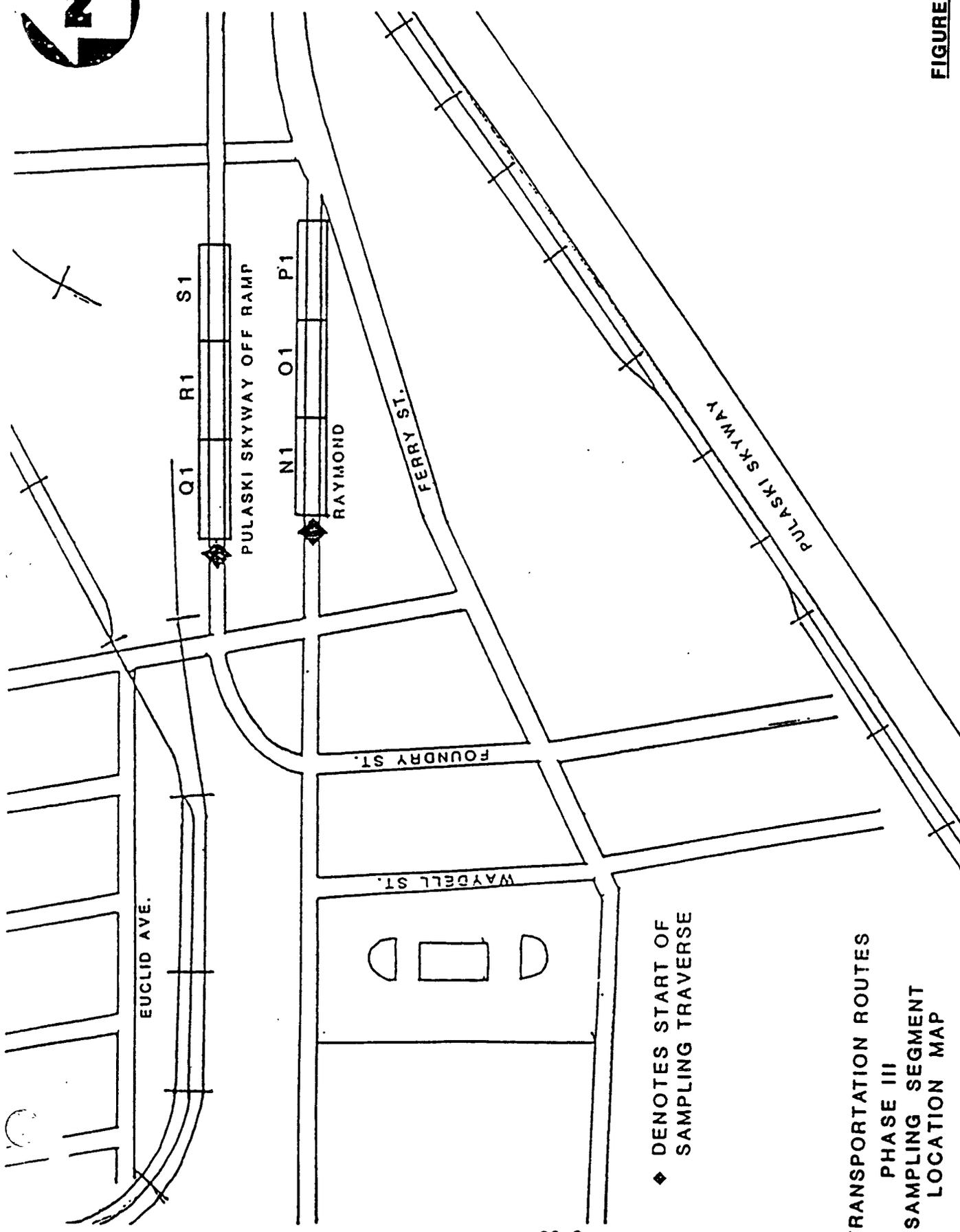
-  DENOTES SAMPLING SEGMENT
- DENOTES SAMPLE LOCATION
- ◆ DENOTES START OF SAMPLING TRAVERSE

**SAMPLE LOCATION MAP
TRANSPORTATION ROUTES
PHASE III
80 LISTER AVE
NEWARK, NJ**

FIGURE 1

22-1





◆ DENOTES START OF SAMPLING TRAVERSE

TRANSPORTATION ROUTES
 PHASE III
 SAMPLING SEGMENT
 LOCATION MAP

80 LISTER AVE
 NEWARK, NJ

FIGURE 2



SECTION 22
TABLE 1
SAMPLES WITH CONCENTRATIONS 1 PPB OR GREATER
TRANSPORTATION ROUTES PHASE III
9/15/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION | |
|---------------|--|----------------------------|----------------------|--------|
| | | | (ppb) | |
| | | | Initial | Repeat |
| 713 | Railroad, Segment 34 (Duralac) (R) - 68' from "O" | Sweep | 1.5 | |
| 743 | Adjacent to Tarped R.R. Spur South of Euclid Ave. | Soil | 6.5 | |
| 744 | Adjacent to Tarped R.R. Spur South of Euclid Ave. | Soil | 2.9 | |
| 745 | Adjacent to Tarped R.R. Spur South of Euclid Ave. | Soil | 18.4 | |
| 746 | Adjacent to Tarped R.R. Spur South of Euclid Ave. | Soil | 3.1 3.0 duplicate | |
| 725 | Pulaski Skyway, Segment Q1 (B) - 53' from "O" | Composite (Sweep-Sweep) | 3.5 | |
| 734 | Raymond Blvd., Segment N1 (R) 150' from "O" | Composite (Sweep-Sweep) | 3.0 | |

NOTES:

- (a) 30 samples were collected.
- (b) 13 samples had no detection of TCDD.
- (c) 9 samples were detected below 1.00 ppb TCDD.
- (d) 1 sample did not pass EPA Monitoring Management Branch QA/QC requirements.

SECTION 22
TABLE 2
ALL SAMPLES INCLUDING QA/QC
TRANSPORTATION ROUTES PHASE III
9/15/83
SAMPLE DESCRIPTIONS

"O" Denotes end point of segment closest to the site as one moves outward along the transportation route.
 (R) Denotes sample taken at a random distance from "O". Distances supplied by random number chart.
 (B) Denotes sample taken at a biased distance from "O".
 All sampling segments are 200' in length with the exception of segment 40, which is 100' in length and terminates at the Thomasset Color's property line.

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|--|-------------------------|--------------------------|--------|
| | | | Initial | Repeat |
| 713 | Railroad, Segment 34 (Duralac) (R) - 68' from "O" | Sweep | 1.5 | |
| 714 | Railroad, Segment 33 (Duralac) (R) - 122' from "O" | Composite (Soil-Soil) | NG | |
| 715 | Railroad, Segment 40 (SCA) (R) - 80' from "O" | Composite (Sweep-Sweep) | ND | |
| 716 | Railroad, Segment 38 (SCA) (R) - 168' from "O" | Composite (Sweep-Sweep) | ND | |
| 717 | Railroad, Segment 35 (SCA) (R) - 74' from "O" | Composite (Sweep-Sweep) | 0.13 | |
| 718 | Unknown Blank | Soil | ND | |
| 719 | Railroad, Segment 39 (SCA) (R) - 170' from "O" | Composite (Sweep-Sweep) | ND | |
| 720 | Pulaski Skyway, Segment R1 (B) - 145' from "O" | Composite (Sweep-Sweep) | 0.35 | |
| 721 | QA Reference Material A (Native) | Soil | 8.8 | |

ND = Not Detected
 NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

SECTION 22
TABLE 2 (cont'd)
ALL SAMPLES INCLUDING QA/QC
TRANSPORTATION ROUTES PHASE III
9/15/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION | |
|---------------|---|----------------------------|------------------------|--------|
| | | | Initial | Repeat |
| 722 | Pulaski Skyway, Segment R1 (R) - 22' from "O" | Composite (Sweep-Sweep) | 0.47 | |
| 723 | Pulaski Skyway, Segment S1 (B) - 57' from "O" | Composite (Sweep-Sweep) | 0.09 | |
| 724 | Pulaski Skyway Segment S1 (R) - 196' from "O" | Composite (Sweep-Sweep) | ND | |
| 725 | Pulaski Skyway, Segment Q1 (B) - 53' from "O" | Composite (Sweep-Sweep) | 3.5 | |
| 726 | Pulaski Skyway, Segment Q1 (R) - 186' from "O" | Composite (Sweep-Sweep) | 0.71 0.58 duplicate | |
| 727 | Known Blank (Matrix Spike) | Soil | ND | |
| 728 | Raymond Blvd., Segment O1 (R) - 158' from "O" | Composite (Sweep-Sweep) | ND | |
| 729 | Raymond Blvd., Segment O1 (R) - 63' from "O" | Composite (Sweep-Sweep) | ND | |
| 730 | Raymond Blvd., Segment P1 (R) - 192' from "O" | Composite (Sweep-Sweep) | ND | |
| 731 | Raymond Blvd., Segment P1 (B) - 46' from "O" | Composite (Sweep-Sweep) | ND | |
| 732 | Q.A. Reference Material F (Native) | Soil | 1.8 | |
| 733 | Raymond Blvd. Segment N1 (B) - 05' from "O" | Composite (Sweep-Sweep) | 0.19 | |

ND = Not Detected

SECTION 22
TABLE 2 (cont'd)
ALL SAMPLES INCLUDING QA/QC
TRANSPORTATION ROUTES PHASE III
9/15/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION | |
|---------------|--|----------------------------|--------------------|--------|
| | | | (ppb) | |
| | | | Initial | Repeat |
| 734 | Raymond Blvd., Segment N1 (R) - 150' from "O" | Composite (Sweep-Sweep) | 3.0 | |
| 735 | Adjacent to Tarped R.R. Spur West of Cornelia St. | Soil | 0.16 | |
| 736 | Adjacent to Tarped R.R. Spur South of Euclid Ave. | Soil | ND | |
| 737 | Adjacent to Tarped R.R. Spur South of Euclid Ave. | Soil | ND | |
| 738 | Adjacent to Tarped R.R. Spur South of Euclid Ave. | Soil | ND | |
| 739 | Adjacent to Tarped R.R. Spur West of Cornelia St. | Soil | 0.13 | |
| 740 | QA Reference Material "A" (Native) | Soil | 8.9 | |
| 741 | Adjacent to Tarped R.R. Spur West of Cornelia St. | Soil | ND | |
| 742 | Known Blank (Matrix Spike) | Soil | 1.4 | |
| 743 | Adjacent to Tarped R.R. Spur South of Euclid Ave. | Soil | 6.5 | |
| 744 | Adjacent to Tarped R.R. Spur South of Euclid Ave. | Soil | 2.9 | |

ND = Not Detected

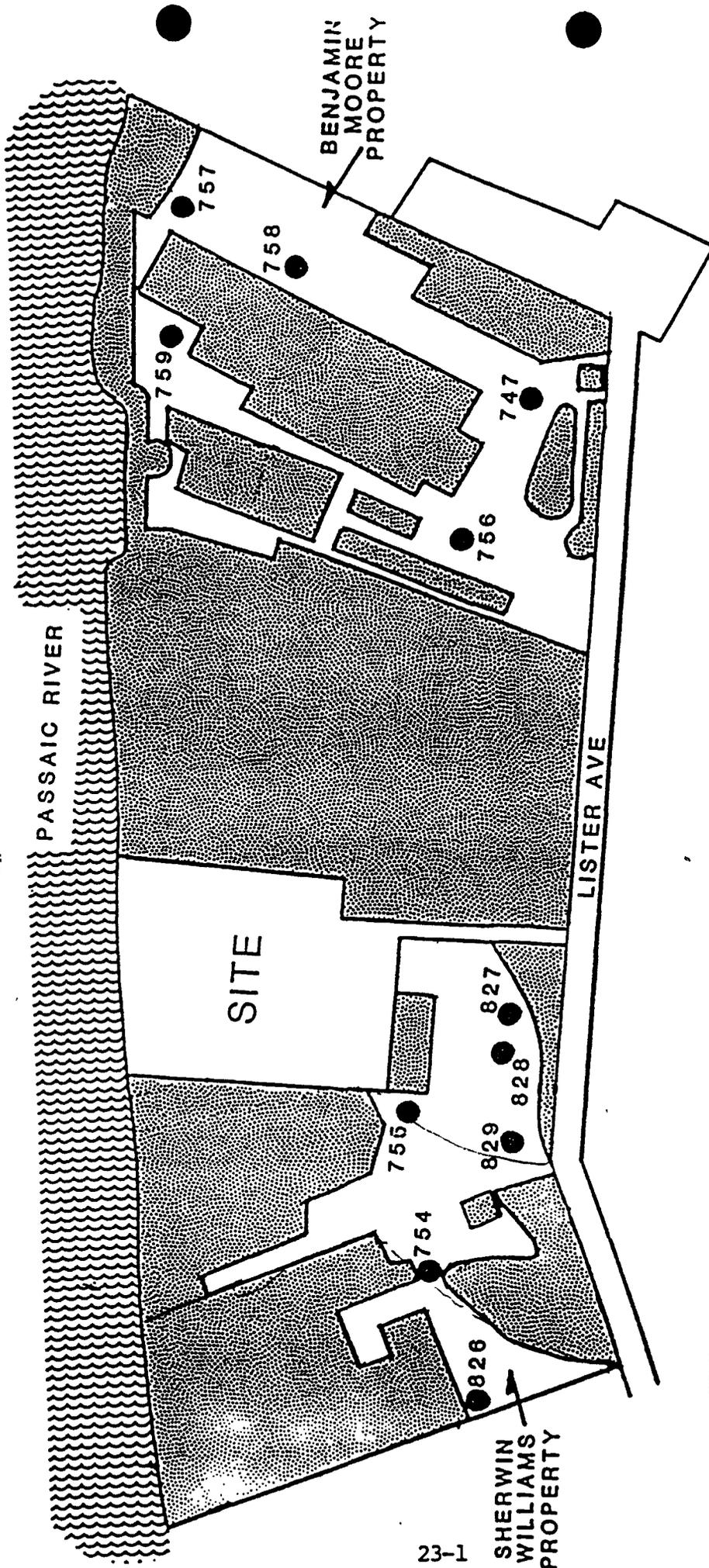
SECTION 22
 TABLE 2 (cont'd)
 ALL SAMPLES INCLUDING QA/QC
 TRANSPORTATION ROUTES PHASE III
 9/15/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION | |
|---------------|--|-------------|----------------------|--------|
| | | | (ppb) | |
| | | | Initial | Repeat |
| 745 | Adjacent to Tarped R.R. Spur South of Euclid Ave. | Soil | 18 | |
| 746 | Adjacent to Tarped R.R. Spur South of Euclid Ave. | Soil | 3.1 3.0 duplicate | |
| 748 | Railroad, Segment 37 (Ben-Moore) (R) - 128' from "O" | Soil | 0.18 | |
| 749 | Railroad, Segment 36 (SCA Gate) (R) - 63' from "O" | Sweep | ND | |
| 750 | Q.A. Reference Material F (Native) | Soil | 2.0 | |
| 751 | Unknown Blank | Soil | ND | |

ND = Not Detected

**SECTION 23 INDEX
INDUSTRIAL AREAS**

| <u>Page</u> | <u>Description</u> |
|-------------|--------------------|
| 23-1 | Figure 1 |
| 23-2 | Table 1 |
| 23-3 | Table 2 |



-  - ROOF TOP OR OTHER AREA UNSUITABLE FOR SAMPLING
-  - SAMPLING LOCATION

INDUSTRIAL AREAS
SAMPLE LOCATION MAP

80 LISTER AVE
NEWARK, N.J.

FIGURE 1



SECTION 23
TABLE 1
SAMPLES WITH CONCENTRATIONS 1 PPB OR GREATER
INDUSTRIAL AREAS
9/16/83 & 9/26/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|------------------|-------------|--------------------------|--------|
| | | | Initial | Repeat |
| 755 | Sherwin-Williams | Sweep | 1.6 | |

NOTES:

- (a) 11 samples were collected.
- (b) 3 samples had no detection of TCDD.
- (c) 6 samples were detected below 1.00 ppb TCDD.
- (d) 1 sample did not pass EPA Monitoring Management Branch QA/QC requirements.

SECTION 23
TABLE 2
ALL SAMPLES INCLUDING QA/QC
INDUSTRIAL AREAS
9/16/83 & 9/26/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|--------------------------------------|-------------|--------------------------|--------|
| | | | Initial | Repeat |
| 747 | Benjamin-Moore | Sweep | ND | |
| 752 | Q.A. Reference Material "A" (Native) | Soil | 8.2 | |
| 753 | Known Blank (Matrix Spike) | Soil | 1.3 | |
| 754 | Sherwin-Williams | Sweep | ND 0.39 | |
| 755 | Sherwin-Williams | Sweep | 1.6 | |
| 756 | Benjamin-Moore | Sweep | ND | |
| 757 | Benjamin-Moore | Sweep | 0.14 | |
| 758 | Benjamin-Moore | Sweep | 0.51 | |
| 759 | Benjamin-Moore | Sweep | ND | |
| 760 | Q.A. Reference Material "F" (Native) | Soil | 1.5 | |
| 825 | Unknown Blank | Soil | ND | |
| 826 | Sherwin-Williams | Soil | 0.35 | |
| 827 | Sherwin-Williams | Sweep | NG | |
| 828 | Sherwin-Williams | Sweep | 0.11 | |
| 829 | Sherwin-Williams | Sweep | 0.45 | |

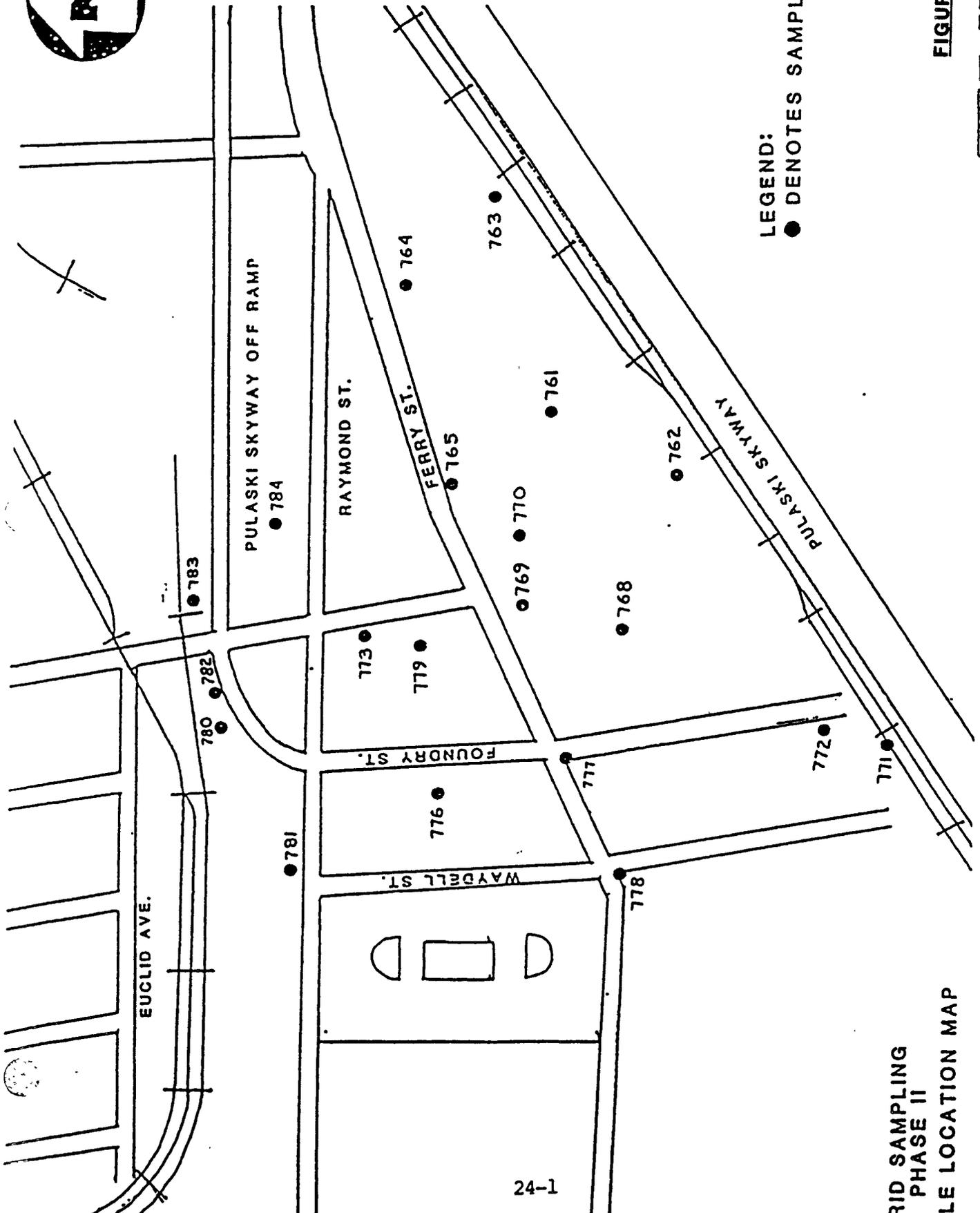
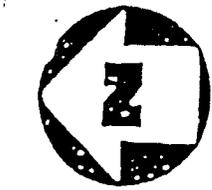
ND = Not Detected

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

**SECTION 24
SECTION 24 INDEX**

SELECTED GRID PHASE II

| <u>Page</u> | <u>Description</u> |
|-------------|--------------------|
| 24-1 | Figure 1 |
| 24-2 | Table 1 |
| 24-3 | Table 2 |
| 24-4 | Table 2 (cont'd) |



LEGEND:
 ● DENOTES SAMPLE LOCATION

FIGURE 1

RID SAMPLING
 PHASE II
 LE LOCATION MAP

0 LISTER AVE
 NEWARK, N.J



SECTION 24
TABLE 1
SAMPLES WITH CONCENTRATIONS 1 PPB OR GREATER
SELECTED GRID PHASE II
9/20/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|---|-------------|--------------------------|--------|
| | | | Initial | Repeat |
| 780 | Grass Area North of Pulaski Skyway Off-Ramp | Soil | 5.8 | |
| 782 | Grass Are North of Pulaski Skyway Off-Ramp | Soil | 5.7 | |
| 783 | Recycled Fibers Corp., Lockwood Street | Sweep | 4.3 | |
| 784 | Exxon Station, Raymond Blvd. and Lockwood St. | Sweep | 1.4 | |
| 773 | Sidwewalk, Lockwood St. | Sweep | 3.5 | |
| 764 | N.J. Transit Property, Ferry Street | Sweep | 1.3 | |
| 765 | N.J. Transit Property, Ferry Street | Soil | 2.3 | |
| 770 | P & K Industries, Ferry & Foundry Sts. | Sweep | 1.1 | |
| 761 | N.J. Transit Property, Ferry Street | Sweep | 1.9 | |

NOTES:

- (a) 20 samples were collected.
- (b) 5 samples had no detection of TCDD.
- (c) 5 samples were detected below 1.00 ppb TCDD.
- (d) 1 sample did not pass EPA Monitor Management Branch QA/QC requirements.

SECTION 24
TABLE 2
ALL SAMPLES INCLUDING QA/QC
SELECTED GRID PHASE II
9/20/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|---|-------------|--------------------------|--------|
| | | | Initial | Repeat |
| 761 | N.J. Transit Property, Ferry St. | Sweep | 1.9 | |
| 762 | N.J. Transit Property, Ferry St. | Sweep | 0.13 | |
| 763 | N.J. Transit Property, Ferry St. | Sweep | 0.21 | |
| 764 | N.J. Transit Property, Ferry St. | Sweep | 1.3 | |
| 765 | N.J. Transit Property, Ferry St. | Soil | 2.3 | |
| 766 | Q.A. Reference Material "A" (Native) | Soil | 7.0 | |
| 767 | Unknown Blank | Soil | ND | |
| 768 | P & K Industries, Ferry & Foundry Sts. | Sweep | ND | |
| 769 | P & K Industries, Ferry & Foundry Sts. | Soil | ND | |
| 770 | P & K Industries, Ferry & Foundry Sts. | Sweep | 1.1 | |
| 771 | Abandoned R.R. Spur, South end of Foundry St. | Soil | ND | |
| 772 | Sidewalk Median, South end of Foundry St. | Soil | 0.14 | |

ND = Not Detected

SECTION 24
TABLE 2 (cont'd)
ALL SAMPLES INCLUDING QA/QC
SELECTED GRID PHASE II
9/20/83

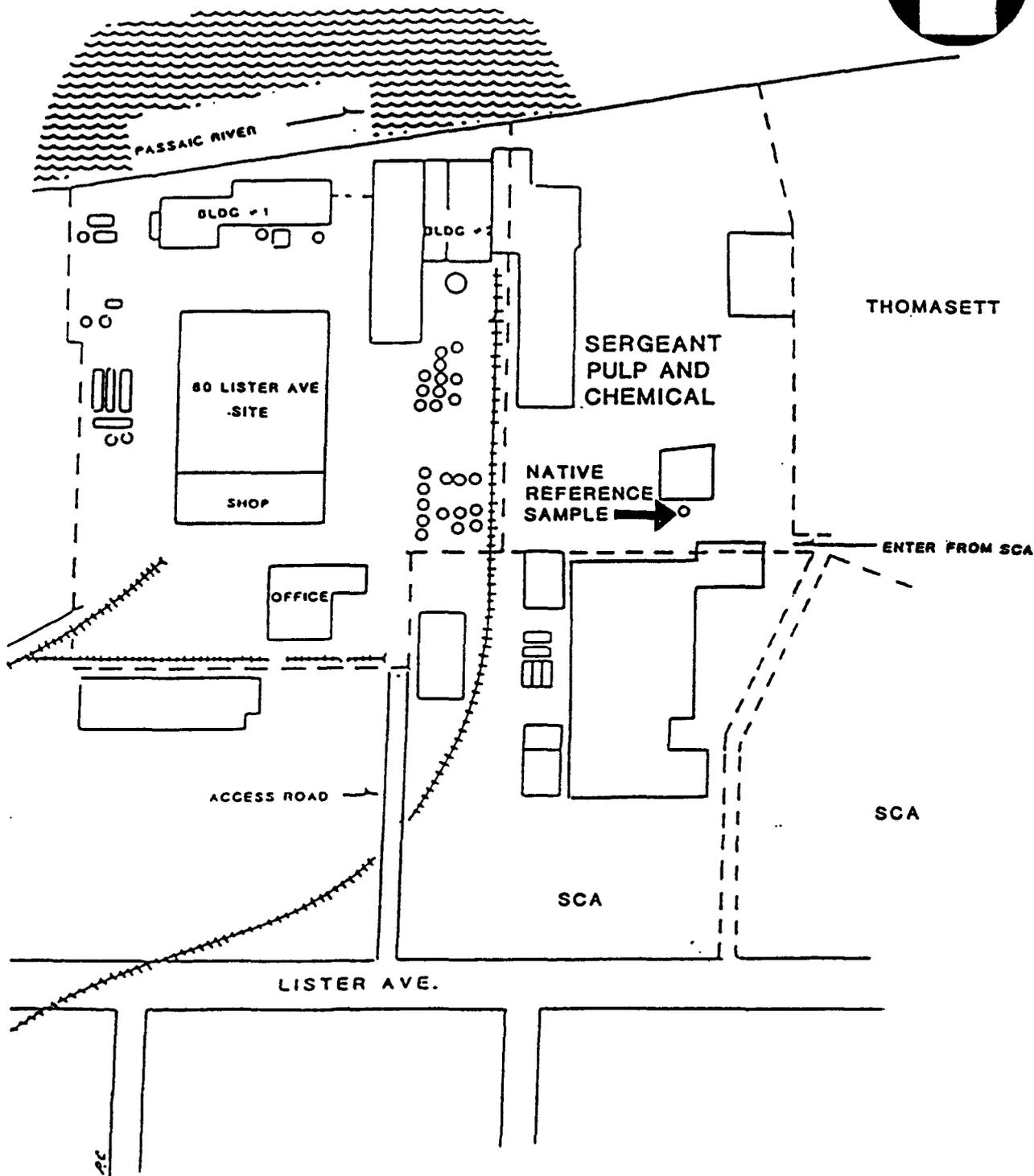
| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|---|-------------|--------------------------|--------|
| | | | Initial | Repeat |
| 773 | Sidewalk, Lockwood St. | Sweep | 3.5 | |
| 774 | Known Blank (Matrix Spike) | Soil | 1.4 | |
| 775 | Q.A. Reference Material "F" (Native) | Soil | 2.0 | |
| 776 | Backyard, #19 Foundry St. | Soil | 0.07 0.07 duplicate | |
| 777 | S.W. Corner of Intersection of Ferry and Foundry Sts. | Sweep | 0.77 | |
| 778 | S.W. Corner of Intersection of Ferry and Waydell Sts. | Sweep | ND | |
| 779 | Triangle Towing Services, Lockwood and Ferry Sts. | Sweep | ND | |
| 780 | Grass Area North of Pulaski Skyway Off-Ramp | Soil | 5.8 | |
| 781 | Sunoco Station, Raymond Blvd. | Sweep | NG | |
| 782 | Grass Area North of Pulaski Skyway Off-Ramp | Soil | 5.7 | |
| 783 | Recycled Fibers Corp., Lockwood St. | Sweep | 4.3 | |
| 784 | Exxon Station, Raymond Blvd. and Lockwood St. | Sweep | 1.4 | |

ND = Not Detected

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

SECTION 25 INDEX
NATIVE SOIL PHASE II

| <u>Page</u> | <u>Description</u> |
|-------------|--------------------|
| 25-1 | Figure 1 |
| 25-2 | Table 1 |
| 25-3 | Table 2 |



80 LISTER AVE
NEWARK, N.J.

NATIVE REFERENCE SOIL SAMPLE

25-1

FIGURE 1



**SECTION 25
TABLE 1
SAMPLES WITH CONCENTRATIONS 1 PPB OR GREATER
NATIVE SOIL PHASE II**

| SAMPLE NUMBER | SAMPLE LOCATION | TCDD CONCENTRATION (ppb) | |
|---------------|-----------------|-----------------------------|--------|
| | | Initial | Repeat |

No samples with concentrations 1 ppb or greater.

NOTES:

- (a) All Native Soil Phase II samples are being sent as QA Reference Material F for analysis with the following sampling tasks:

Transportation Routes Phase III

Selected Grid Phase II

Industrial Areas

SECTION 25
TABLE 2
ALL SAMPLES INCLUDING QA/QC
NATIVE SOIL PHASE II

| SAMPLE NUMBER | SAMPLE LOCATION | TCDD CONCENTRATION (ppb) | |
|---------------|-------------------------------|-----------------------------|--------|
| | | Initial | Repeat |
| NA | Sergeant Pulp and Chemical | DT | |

DT = All Native Soil Phase II samples are being sent as QA Reference Material F for analysis with the following sampling tasks:

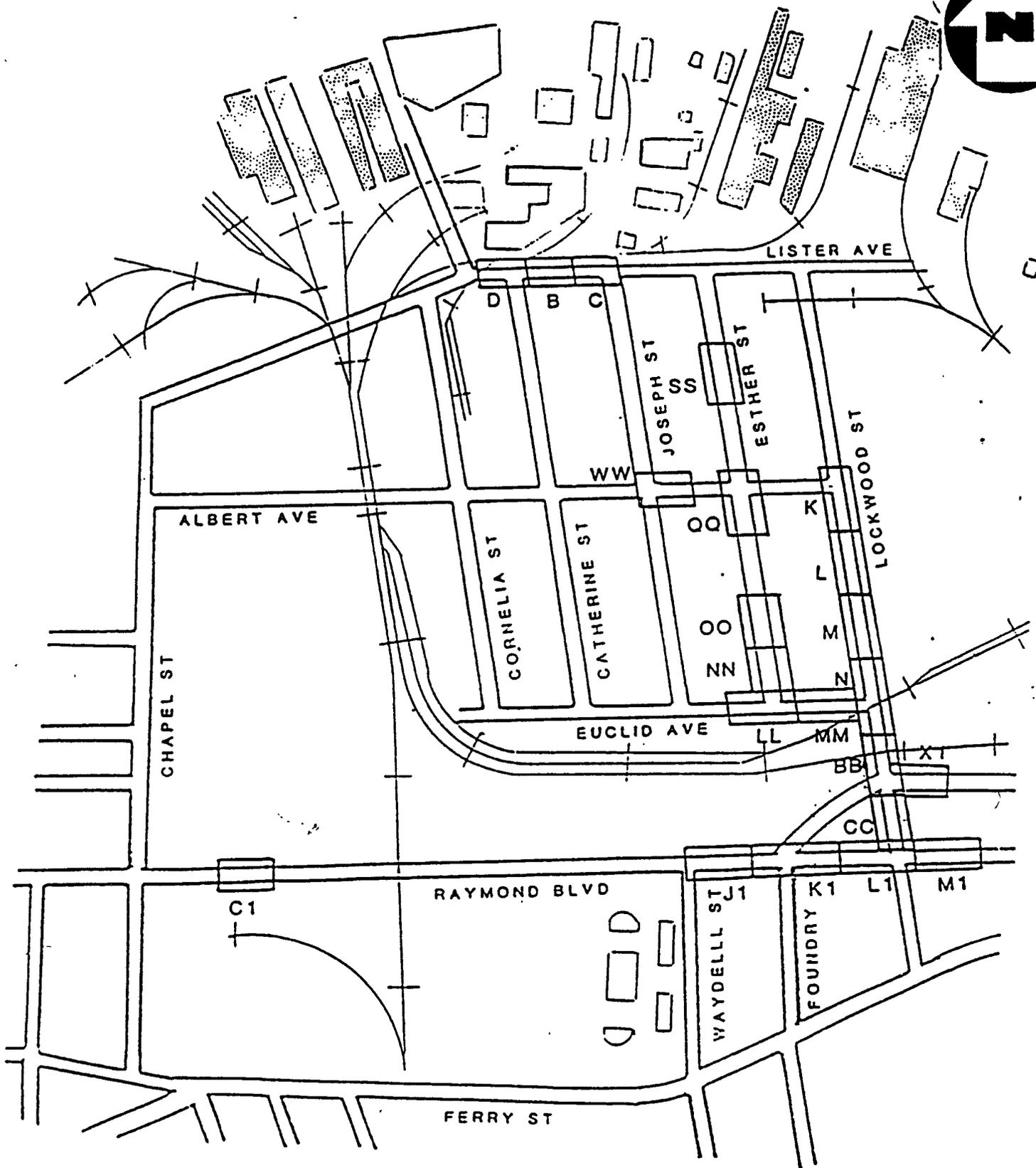
- Transportation Routes Phase III
- Selected Grid Phase II
- Industrial Areas

SECTION 26
SCIEX

Samples analyzed during this sampling event were analyzed by a mobile GC/MS instrument. Results were reported as ranges and are included in Sampling Trip Report 02-8305-19JJ.

SECTION 27 INDEX
PARKWAY SOIL

| Page | Description |
|-------------|--------------------|
| 27-1 | Figure 1 |
| 27-2 | Table 1 |
| 27-3 | Table 1 (cont'd) |
| 27-4 | Table 1 (cont'd) |
| 27-5 | Table 2 |
| 27-6 | Table 2 (cont'd) |
| 27-7 | Table 2 (cont'd) |
| 27-8 | Table 2 (cont'd) |
| 27-9 | Table 2 (cont'd) |
| 27-10 | Table 2 (cont'd) |



SAMPLING SEGMENTS
PARKWAYS SOIL SAMPLING
80 LISTER AVE. NEWARK, N.J.

(NOT TO SCALE)

27-1

FIGURE 1



A Halliburton Company

SECTION 27
TABLE 1
SAMPLES WITH CONCENTRATIONS 1 PPB OR GREATER
PARKWAY SOIL
10/18/83

SAMPLE TYPE - GRAB SOIL

| SAMPLE NUMBER | SAMPLE LOCATIONS | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|---|-------------|-----------------------------|--------|
| | | | Initial | Repeat |
| 890 | Lockwood St. - Segment "M" East side of street 24' from "O". | Soil | 1.0 | |
| 893 | Lockwood St. - Segment "M" East side of street 157' from "O". | Soil | 2.1 | |
| 907 | Lockwood St. - Segment "N" West side of street 14' from "O". | Soil | 1.8 | |
| 905 | Lockwood St. - Segment "BB" West side of street 80' from "O". | Soil | 9.8 | |
| 899 | Lockwood St. - Segment "CC" West side of street 36' from "O". | Soil | 7.4 | |
| 898 | Lockwood St. - Segment "CC" East side of street 41' from "O". | Soil | 2.3 | |
| 903 | Lockwood St. - Segment "CC" West side of street 41' from "O". | Soil | 3.5 | |
| 914 | Euclid Ave. - Segment "LL" North side of street 92' from "O". | Soil | NG | 2.0 |
| 913 | Euclid Ave. - Segment "MM" North side of street 76' from "O". | Soil | NG | 6.5 |

NG = Did not pass EPA Monitoring Management QA/QC requirements.

SECTION 27
TABLE 1 (cont'd)
SAMPLES WITH CONCENTRATIONS 1 PPB OR GREATER
PARKWAY SOIL
10/18/83

SAMPLE TYPE - GRAB SOIL

| SAMPLE NUMBER | SAMPLE LOCATIONS | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|---|-------------|-----------------------------|--------|
| | | | Initial | Repeat |
| 908 | Euclid Ave. - Segment "MM" South side of street 76' from "O". | Soil | 2.6 | |
| 916 | Esther St. - Segment "OO" West side of street 154' from "O". | Soil | 1.0 | |
| 915 | Esther St. - Segment "NN" East side of street 25' from "O". | Soil | 3.9 | |
| 922 | Albert Ave. - Segment "WW" South side of street 54' from "O". | Soil | 1.9 | |
| 912 | Euclid Ave. - Segment "MM" North side of street 51' from "O". | Soil | NG | 3.1 |
| 909 | Euclid Ave. - Segment "MM" South side of street 51' from "O". | Soil | NG | 9.4 |
| 894 | Pulaski Skyway - Segment "X1" North side of street 196' from "O". | Soil | 1.8 | |
| 933 | Raymond Blvd. - Segment "C1" North side of street 30' from "O". | Soi | NG | 3.4 |
| 886 | Raymond Blvd. Segment "J1" North side of street 84' from "O". | Soil | NG | 1.2 |

NG = Did not pass EPA Monitoring Management QA/QC requirements.

SECTION 27
 TABLE 1 (cont'd)
 SAMPLES WITH CONCENTRATIONS 1 PPB OR GREATER
 PARKWAY SOIL
 10/18/83

SAMPLE TYPE - GRAB SOIL

| SAMPLE NUMBER | SAMPLE LOCATIONS | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|---|-------------|-----------------------------|--------|
| | | | Initial | Repeat |
| 895 | Raymond Blvd. - Segment "L1". North side of street 196' from "O". | Soil | 3.7 | |
| 897 | Raymond Blvd. - Segment "M1". North side of street 60' from "O". | Soil | 1.4 | NG |

NOTES:

- (a) 41 samples were collected.
- (b) 10 samples had no detection of TCDD.
- (c) 4 samples were detected below 1.00 ppb TCDD.
- (d) 7 samples did not pass EPA Monitoring Management Branch QA/QC requirements.
- (e) NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.
- (f) "O" denotes end point of segment closest to the site as one moves outward along the transportation route.

SECTION 27
TABLE 2
ALL SAMPLES INCLUDING QA/QC
PARKWAY SOIL
10/18/83

SAMPLE DESCRIPTIONS

"O" denotes end point of segment closest to the site as one moves outward along the transportation route.

SAMPLE TYPE - GRAB SOIL

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|---|-------------|--------------------------|--------|
| | | | Initial | Repeat |
| 884 | Lockwood St. - Segment "M" West side of street 157' from "O". | Soil | NG | |
| 886 | Raymond Blvd.-Segment "J1" North side of street 84' from "O". | Soil | NG | 1.2 |
| 887 | QA Reference Material A (Native) | Soil | 9.0 | |
| 888 | Known Blank (Matrix Spike) | Soil | 1.1 | |
| 889 | Raymond Blvd.-Segment "K1" North side of street 45' from "O". | Soil | 0.99 | |
| 890 | Lockwood St. - Segment "M" East side of street 24' from "O". | Soil | 1.0 | |
| 891 | Lockwood St. - Segment "L" West side of street 149' from "O". | Soil | ND | |
| 892 | Lockwood St. - Segment "K" West side of street 112' from "O". | Soil | ND | |

ND = Not Detected.

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

SECTION 27
TABLE 2 (cont'd)
ALL SAMPLES INCLUDING QA/QC
PARKWAY SOIL
10/18/83

SAMPLE TYPE - GRAB SOIL

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|---|-------------|--------------------------|--------|
| | | | Initial | Repeat |
| 893 | Lockwood St.-Segment "M" East side of street 157' from "O". | Soil | 2.1 | |
| 894 | Pulaski Skyway-Segment "XI" North side of street 110' from "O". | Soil | 1.8 | |
| 895 | Raymond Blvd. - Segment "LI" North side of street 196' from "O". | Soil | 3.7 | |
| 896 | Pulasky Skyway - Segment "XI" North side of street 182' from "O". | Soil | NG | |
| 897 | Raymond Blvd. - Segment "M1" North side of street 60' from "O". | Soil | NG | 1.4 |
| 898 | Lockwood St. - Segment "CC" East side of street 41' from "O". | Soil | 2.3 | |
| 899 | Lockwood St. - Segment "CC" West side of street 36' from "O". | Soil | 7.4 | |
| 900 | QA Reference Material F (Native) | Soil | NG | |
| 901 | Unknown Blank | Soil | NG | |
| 902 | Lockwood St. - Segment "CC" East side of street 36' from "O". | Soil | NG | |

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

SECTION 27
TABLE 2 (cont'd)
ALL SAMPLES INCLUDING QA/QC
PARKWAY SOIL
10/18/83

SAMPLE TYPE - GRAB SOIL

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|---|-------------|--------------------------|--------|
| | | | Initial | Repeat |
| 903 | Lockwood St. - Segment "CC" West side of street 41' from "O" | Soil | 3.5 | |
| 904 | Lockwood St. - Segment "N" West side of street 29' from "O". | Soil | ND ND duplicate | |
| 905 | Lockwood St. - Segment "BB" West side of street 80' from "O". | Soil | 9.8 | |
| 906 | Lockwood St. - Segment "BB" East side of street 80' from "O". | Soil | 0.81 | |
| 907 | Lockwood St. - Segment "N" West side of street 14' from "O". | Soil | 1.8 | |
| 908 | Euclid Ave. - Segment "MM" South side of street 76' from "O". | Soil | 2.6 | |
| 909 | Euclid Ave. - Segment "MM" South side of street 51' from "O". | Soil | NG | 9.4 |
| 910 | QA Reference Material A (Native) | Soil | 7.0 | |
| 911 | Unknown Blank | Soil | ND | |
| 912 | Euclid Ave. - Segment "MM" North side of street 51' from "O". | Soil | NG | 3.1 |

ND = Not Detected

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

SECTION 27
TABLE 2 (cont'd)
ALL SAMPLES INCLUDING QA/QC
PARKWAY SOIL
10/18/83

SAMPLE TYPE - GRAB SOIL

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|---|-------------|--------------------------|--------|
| | | | Initial | Repeat |
| 913 | Euclid Ave. - Segment "MM" North side of street 76' from "O". | Soil | NG | 6.5 |
| 914 | Euclid Ave.-Segment "LL" North side of street 92' from "O". | Soil | NG | 2.0 |
| 915 | Esther St. - Segment "NN" East side of street 25' from "O". | Soil | 3.9 | |
| 916 | Esther St. - Segment "OO" West side of street 154' from "O". | Soil | 1.0 | |
| 917 | Esther St. - Segment "OO" East side of street 154' from "O". | Soil | NG | |
| 918 | Esther St. - Segment "NN" West side of street 25' from "O". | Soil | ND | |
| 919 | Euclid Ave. - Segment "LL" South side of street 92' from "O". | Soil | NG | |
| 920 | Esther St. - Segment "QQ" West side of street 111' from "O". | Soil | ND ND duplicate | |
| 921 | Esther St. - Segment "QQ" East side of street 111' from "O". | Soil | ND | |

ND = Not Detected

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

SECTION 27
TABLE 2 (cont'd)
ALL SAMPLES INCLUDING QA/QC
PARKWAY SOIL
10/18/83

SAMPLE TYPE - GRAB SOIL

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|---|-------------|--------------------------|--------|
| | | | Initial | Repeat |
| 922 | Albert Ave. - Segment "WW" South side of street 54' from "O". | Soil | 1.9 | |
| 923 | Albert Ave. - Segment "WW" North side of street 54' from "O". | Soil | NG | 0.41 |
| 924 | QA Reference Material F (Native) | Soil | NG | 1.4 |
| 925 | Known Blank (Matrix Spike) | Soil | 0.88 | |
| 926 | Esther St. - Segment "SS" East side of street 130' from "O". | Soil | ND | |
| 927 | Lister Ave. - Segment "C" South side of street 100' from "O". | Soil | ND | |
| 928 | Lister Ave. - Segment "B" South side of street 26' from "O". | Soil | ND | |
| 929 | Lister Ave. - Segment "B" North side of street 26' from "O". | Soil | NG | |
| 930 | Lister Ave. - Segment "C" South side of street 37' from "O". | Soil | NG | |
| 931 | Lister Ave. - Segment "C" South side of street 100' from "O". | Soil | NG | 0.96 |

ND = Not Detected

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

SECTION 27
TABLE 2 (cont'd)
ALL SAMPLES INCLUDING QA/QC
PARKWAY SOIL
10/18/83

SAMPLE TYPE - GRAB SOIL

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|---|-------------|--------------------------|--------|
| | | | Initial | Repeat |
| 932 | Lister Ave. - Segment "D" South side of street 52' from "O". | Soil | ND | |
| 933 | Raymond Blvd. - Segment "C1" North side of street 30' from "O". | Soil | NG | 3.4 |

ND = Not Detected

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

SECTION 28 INDEX
BRADY IRON AND METALS

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| 28-3 | Table 1 (cont'd) |
| 28-4 | Table 2 |
| 28-5 | Table 2 (cont'd) |

SECTION 28
TABLE 1
SAMPLES WITH CONCENTRATIONS 1 PPB OR GREATER
BRADY IRON AND METALS
10/10/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|--|-------------|--------------------------|---------------------------|
| | | | Initial | Repeat |
| 851 | Low spot in center of lot at west end of property | Soil | NG | 530 |
| 853 | Adjacent to railroad tracks on North side of property. Appears to be the lowest accessible spot on the property. | Soil | NG | 160 |
| 855 | Low spot with green discolored soil in northwest corner of property. | Soil | NG | 920 |
| 856 | Green discolored soil adjacent to cut tanks in southwest corner of property. | Soil | NG | 3500 2900 duplicate |
| 857 | Low spot in southwest corner of property. | Soil | NG | 92 |
| 858 | Center of lot, down grade from high spot of property. | Soil | NG | 150 |
| 860 | Low spot adjacent to railroad tracks on north side of property. | Soil | NG | 500 |
| 861 | Low spot adjacent to railroad tracks in northeast corner of property. | Soil | NG | 53 |

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

SECTION 28
 TABLE 1 (cont'd)
 SAMPLES WITH CONCENTRATIONS 1 PPB OR GREATER
 BRADY IRON AND METALS
 10/10/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|---|-------------|--------------------------|--------|
| | | | Initial | Repeat |
| 862 | Low spot down grade from front gate at east end of property. | Soil | NG | 29 |
| 865 | In pile of excavated (non-native) material at north side of property. | Soil | 1.9 | |

NOTES:

(a) 10 samples were collected.

(b) NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

SECTION 28
TABLE 2
ALL SAMPLES INCLUDING QA/QC
BRADY IRON AND METALS
10/10/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|--|-------------|--------------------------|---------------------------|
| | | | Initial | Repeat |
| 851 | Low spot in center of lot at west end of property | Soil | NG | 530 |
| 852 | Known Blank (Matrix Spike) | Soil | 1.4 | 1.1 1.2 |
| 853 | Adjacent to railroad tracks on North side of property. Appears to be the lowest accessible spot on the property. | Soil | NG | 160 |
| 854 | QA Reference Material A (Native) | Soil | 8.1 | |
| 855 | Low spot with green discolored soil in north-west corner of property. | Soil | NG | 920 |
| 856 | Green discolored soil adjacent to cut tanks in southwest corner of property. | Soil | NG | 3500 2900 duplicate |
| 857 | Low spot in southwest corner of property. | Soil | NG | 92 |
| 858 | Center of lot, down grade from high spot of property. | Soil | NG | 150 |
| 860 | Low spot adjacent to railroad tracks on north side of property. | Soil | NG | 500 |
| 861 | Low spot adjacent to railroad tracks in northeast corner of property. | Soil | NG | 53 |

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

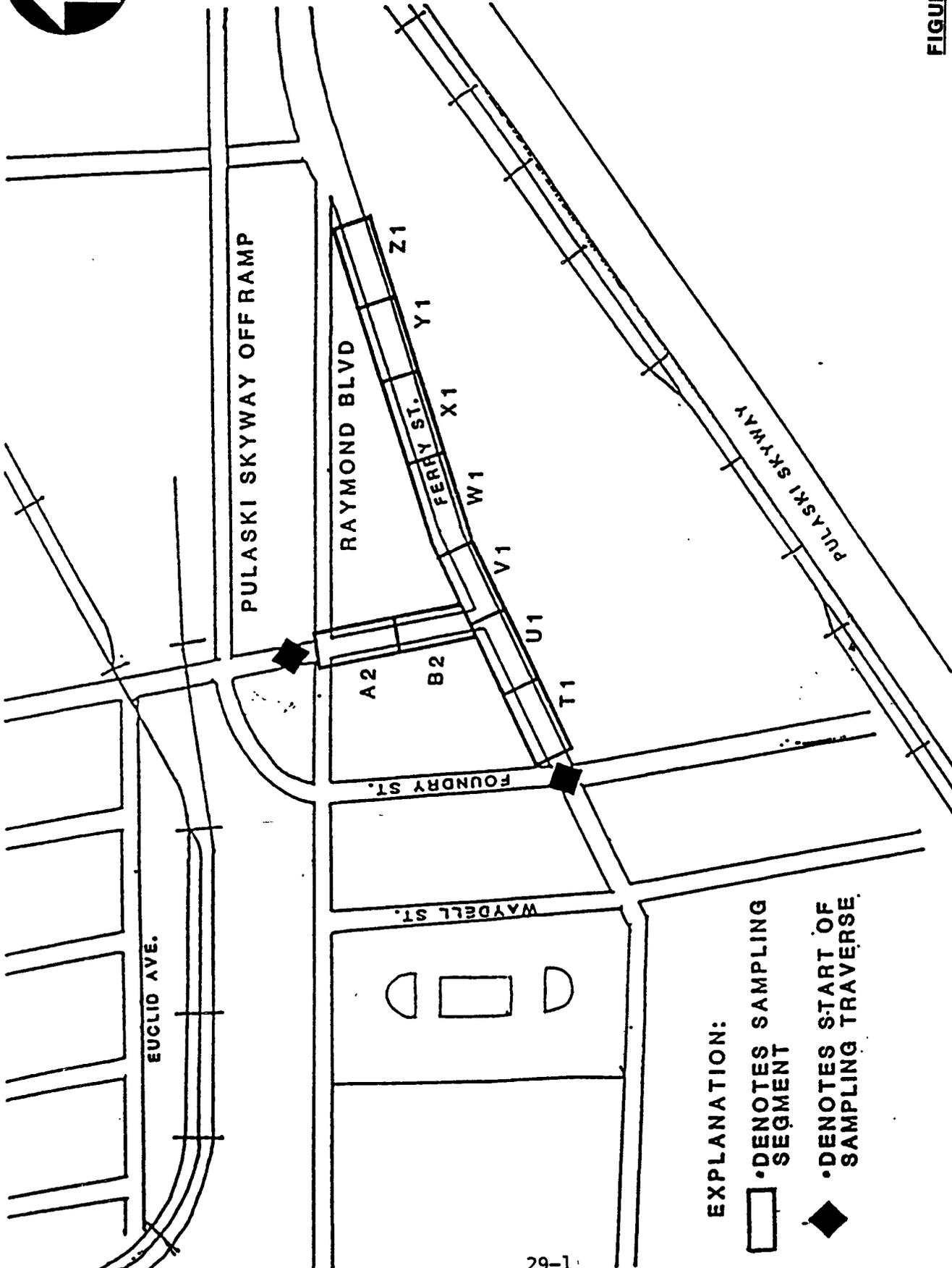
SECTION 28
TABLE 2 (cont'd)
ALL SAMPLES INCLUDING QA/QC
BRADY IRON AND METALS
10/10/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|---|-------------|--------------------------|--------|
| | | | Initial | Repeat |
| 862 | Low spot down grade from front gate at east end of property. | Soil | NG | 29 |
| 863 | Q/A reference material F (Native) | Soil | 1.6 | |
| 864 | Unknown Blank | Soil | ND ND duplicate | |
| 865 | In pile of excavated (non-native) material at north side of property. | Soil | 1.9 | |

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.
ND = Not Detected

SECTION 29 INDEX
FERRY STREET

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| 29-2 | Table 1 |
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| 29-4 | Table 2 (cont'd) |



EXPLANATION:

□ DENOTES SAMPLING SEGMENT

◆ DENOTES START OF SAMPLING TRAVERSE

FIGURE 1



A Halliburton Company

SAMPLING SEGMENTS LOCATION MAP

FERRY ST SAMPLING 80 LISTER AVE NEWARK, N.J.

(NOT TO SCALE)

SECTION 29
TABLE 1
SAMPLES WITH CONCENTRATIONS 1 PPB OR GREATER
FERRY STREET
10/20/83 & 10/28/83

SAMPLE TYPE - SEDIMENT SWEEP

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|--|----------------------------|--------------------------|--------|
| | | | Initial | Repeat |
| 951 | Lockwood Street - Segment "A2" (R) - 198' from "O". | Composite (Sweep-Sweep) | 1.7 | |
| 949 | Lockwood Street - Segment "B2" (R) - 35' from "O". | Composite (Sweep-Sweep) | 1.5 1.0 duplicate | |
| 943 | Ferry Street - Segment "W1" (R) - 184' from "O". | Composite (Sweep-Sweep) | 1.4 | |

NOTES:

- (a) 18 samples were collected.
- (b) 12 samples had no detection of TCDD.
- (c) 3 samples were detected below 1.00 ppb TCDD.
- (d) "O" denotes end point of particular segment closest to the start of the sampling traverse.
- (e) (R) denotes sample taken at a random distance from "O".

SECTION 29
TABLE 2
ALL SAMPLES INCLUDING QA/QC
FERRY STREET
10/20/83 & 10/28/83

SAMPLE DESCRIPTIONS

"O" denotes end point of particular segment closest to the start of the sampling traverse.

(R) denotes sample taken at a random distance from "O".

(B) denotes sample taken at a biased distance from "O".

SAMPLE TYPE - SEDIMENT SWEEP

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|--|----------------------------|--------------------------|--------|
| | | | Initial | Repeat |
| 934 | Ferry Street - Segment "Y1" (R) - 12' from "O" | Composite (Sweep-Sweep) | ND | |
| 935 | Ferry Street - Segment "Z1" (B) - 15' from "O" | Composite (Sweep-Sweep) | ND | |
| 936 | QA Reference Material A (Native) | Soil | 7.2 | |
| 937 | Known Blank (Matrix Spike) | Soil | 1.2 | 1.0 |
| 938 | Ferry Street - Segment "Y1" (B) - 128' from "O" | Composite (Sweep-Sweep) | ND | |
| 939 | Ferry Street - Segment "Z1" (R) - 85' from "O" | Composite (Sweep-Sweep) | ND | |
| 940 | Ferry Street - Segment "X1" (B) - 66' from "O" | Composite (Sweep-Sweep) | ND | |
| 941 | Ferry Street - Segment "W1" (B) - 65' from "O" | Composite (Sweep-Sweep) | ND | |
| 942 | Ferry Street - Segment "X1" (R) - 8' from "O" | Composite (Sweep-Sweep) | ND | |
| 943 | Ferry Street - Segment "W1" (R) - 184' from "O" | Composite (Sweep-Sweep) | 1.4 | |

ND = Not Detected

SECTION 29
TABLE 2 (cont'd)
ALL SAMPLES INCLUDING QA/QC
FERRY STREET
10/20/83 & 10/28/83

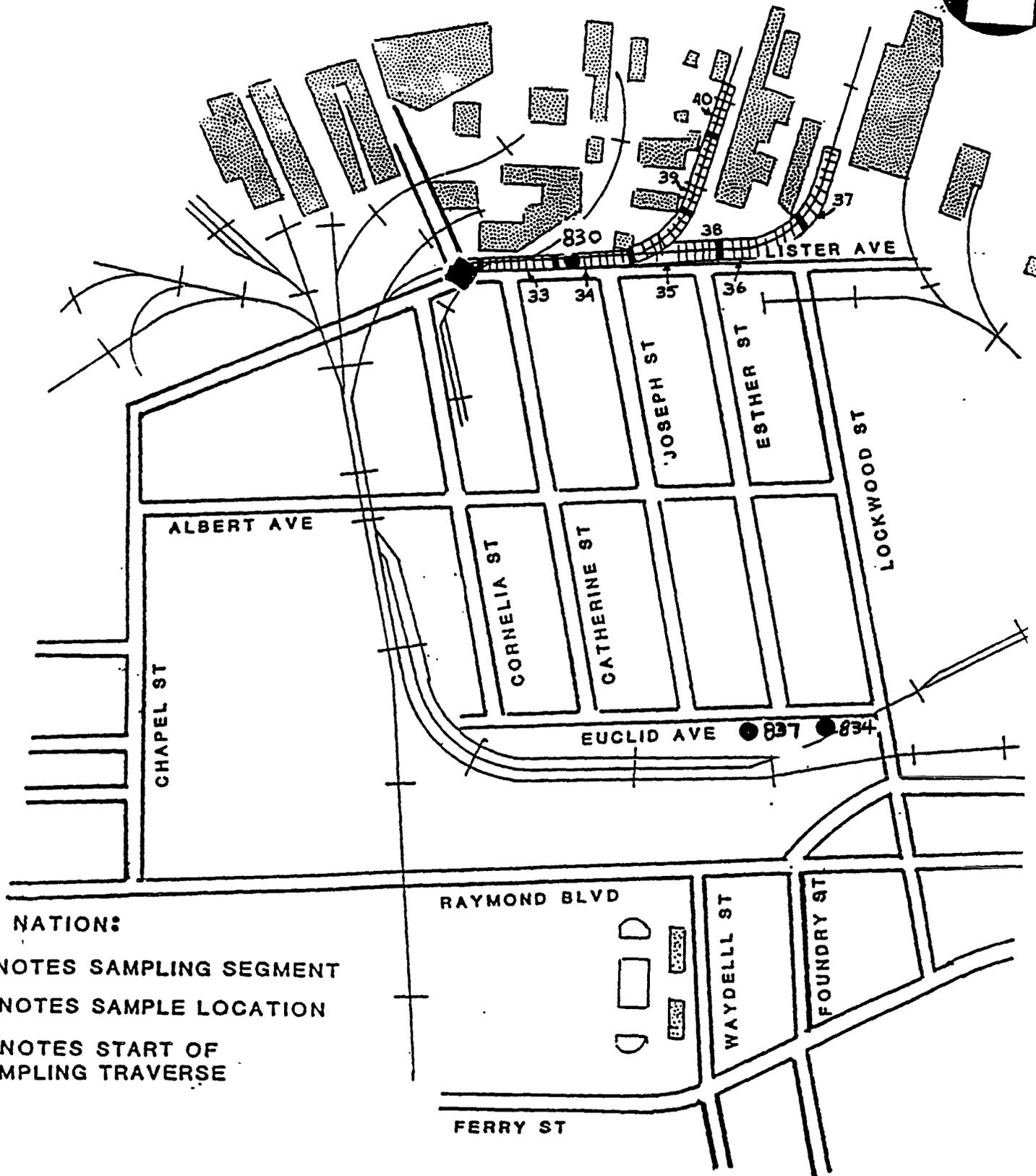
SAMPLE TYPE - SEDIMENT SWEEP

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|---|----------------------------|--------------------------|---------------|
| | | | Initial | Repeat |
| 944 | Lockwood Street - Segment "B2" (B) - 142' from "O" | Composite (Sweep-Sweep) | 0.65 | |
| 945 | Ferry Street - Segment "V1" (B) - 174' from "O" | Composite (Sweep-Sweep) | ND | |
| 946 | Lockwood Street - Segment "A2" (B) - 83' from "O" | Composite (Sweep-Sweep) | 0.92 | |
| 947 | QA Reference Material F (Native) | Soil | 1.3 | |
| 948 | Unknown Blank | Soil | ND | ND duplicate |
| 949 | Lockwood Street - Segment "B2" (R) - 35' from "O" | Composite (Sweep-Sweep) | 1.5 | 1.0 duplicate |
| 950 | Ferry Street - Segment "V1" (R) - 38' from "O" | Composite (Sweep-Sweep) | 0.24 | |
| 951 | Lockwood Street - Segment "A2" (R) - 198' from "O" | Composite (Sweep-Sweep) | 1.7 | |
| 952 | Ferry Street - Segment "U1" (B) - 125' from "O" | Composite (Sweep-Sweep) | ND | |
| 953 | Ferry Street - Segment "T1" (B) - 27' from "O" | Composite (Sweep-Sweep) | ND | |
| 954 | Ferry Street - Segment T1" (R) - 106' from "O" | Composite (Sweep-Sweep) | ND | |
| 955 | Ferry Street - Segment "U1" (R) - 4' from "O" | Composite (Sweep-Sweep) | ND | |

ND = Not Detected

SECTION 30 INDEX
DUPLICATE SAMPLES FROM TRANSPORTATION ROUTES PHASE III
AND SELECTED GRID PHASE II

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| 30-6 | Table 2 (cont'd) |



EXPLANATION:

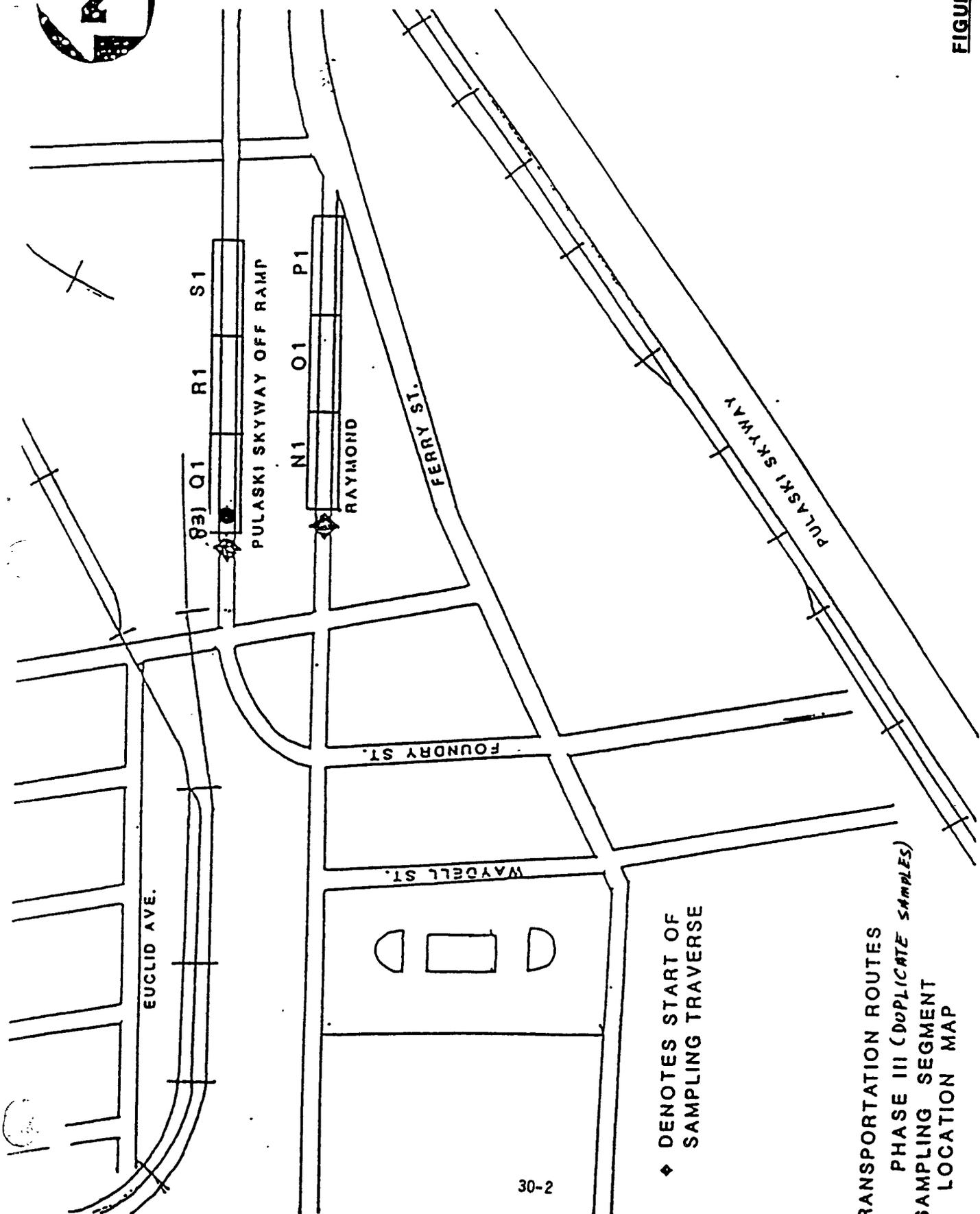
-  DENOTES SAMPLING SEGMENT
- DENOTES SAMPLE LOCATION
- ◆ DENOTES START OF SAMPLING TRAVERSE

SAMPLE LOCATION MAP
TRANSPORTATION ROUTES
PHASE III (DUPLICATE SAMPLES)
80 LISTER AVE
NEWARK, NJ

30-1

FIGURE 1



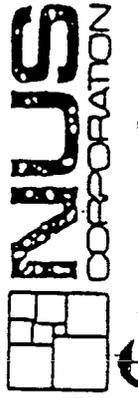


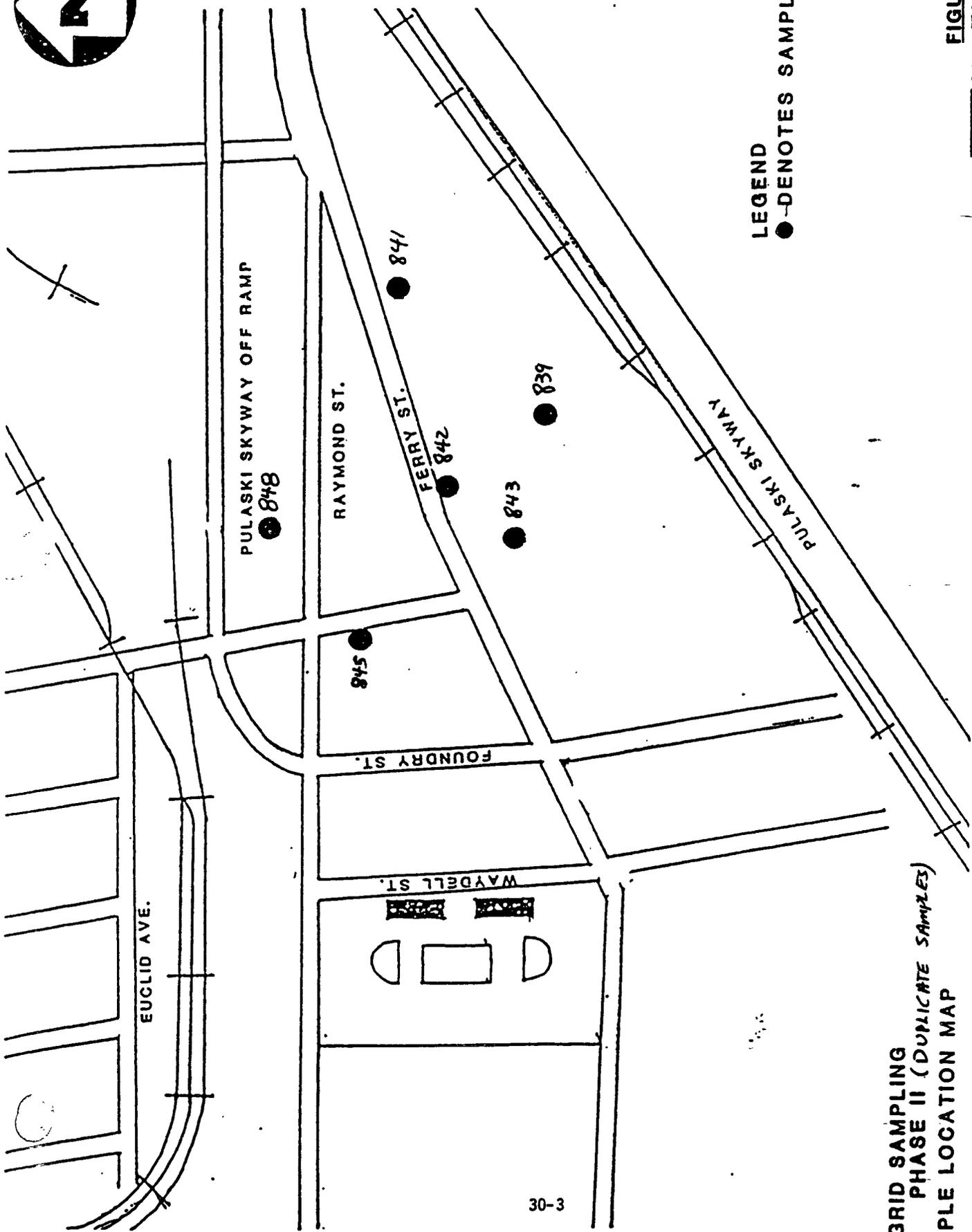
◆ DENOTES START OF SAMPLING TRAVERSE

TRANSPORTATION ROUTES
 PHASE III (DUPLICATE SAMPLES)
 SAMPLING SEGMENT
 LOCATION MAP

80 LISTER AVE
 NEWARK, NJ

FIGURE 2





LEGEND
 ● - DENOTES SAMPLE LOCATION

**GRID SAMPLING
 PHASE II (DUPLICATE SAMPLES)
 SAMPLE LOCATION MAP**

**80 LISTER AVE
 NEWARK, N.J**

30-3



SECTION 30
TABLE 1
SAMPLES WITH CONCENTRATIONS 1 PPB OR GREATER
DUPLICATE SAMPLES FROM TRANSPORTATION ROUTES PHASE III
AND SELECTED GRID PHASE II
10/7/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|--|-------------|--------------------------|--------|
| | | | Initial | Repeat |
| 830 | Railroad, Segment 34 (Duralac) (R) - 68' from "O" Old # - 713 | Soil | 1.9 | |
| 831 | Pulaski Skyway, Segment Q1 (B) - 53' from "Q" Old # - 725 | Sweep | 2.2 2.4 duplicate | |
| 834 | Adjacent to Tarped R.R. Spur South of Euclid Ave. Old # - 744 | Soil | 1.6 | |
| 837 | Adjacent to Tarped R.R. Spur South of Euclid Ave. Old # - 746 | Soil | 3.0 | |
| 839 | N.J. Transit Property Ferry Street Old # - 761 | Sweep | 2.5 | |
| 841 | N.J. Transit Property, Ferry Street Old # - 764 | Sweep | 1.2 | |
| 842 | N.J. Transit Property, Ferry Street Old # - 765 | Soil | 1.4 | |
| 843 | P & K Industries, Ferry & Foundry Sts. Old # - 770 | Sweep | 0.76 | |
| 845 | Sidewalk, Lockwood St. Old # - 773 | Sweep | 4.5 | |
| 848 | Exxon Station, Raymond Boulevard and Lockwood Street. Old # - 784 | Sweep | 1.6 | |

NOTE:
(a) 10 duplicate samples were shipped.

SECTION 30
TABLE 2
ALL SAMPLES INCLUDING QA/QC
DUPLICATE SAMPLES FROM TRANSPORTATION ROUTES PHASE III
AND SELECTED GRID PHASE II
10/7/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|---|-------------|--------------------------|--------|
| | | | Initial | Repeat |
| 830 | Railroad, Segment 34 (Duralac) (R) - 68' from "O" Old # - 713 | Soil | 1.9 | |
| 831 | Pulaski Skyway, Segment Q1 (B) - 53' from "O" Old # - 725 | Sweep | 2.2 2.4 duplicate | |
| 832 | Known Blank (Matrix Spike) | Soil | 1.4 | |
| 833 | QA Reference Material A (Native) | Soil | 6.7 | |
| 834 | Adjacent to Tarped R.R. Spur South of Euclid Ave. Old # - 744 | Soil | 1.6 | |
| 835 | QA Reference Material F (Native) | Soil | 1.7 | |
| 836 | QA Reference Material A (Native) | Soil | 9.7 | |
| 837 | Adjacent to Tarped R.R. Spur South of Euclid Ave. Old # - 746 | Soil | 3.0 | |
| 838 | QA Reference Material F (Native) | Soil | 1.5 | |
| 839 | N.J. Transit Property, Ferry Street Old # - 761 | Sweep | 2.5 | |
| 840 | QA Reference Material A (Native) | Soil | 9.6 | |

ND = Not Detected

SECTION 30
 TABLE 2 (cont'd)
 ALL SAMPLES INCLUDING QA/QC
 DUPLICATE SAMPLES FROM TRANSPORTATION ROUTES PHASE III
 AND SELECTED GRID PHASE II
 10/7/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|---|-------------|--------------------------|--------|
| | | | Initial | Repeat |
| 841 | N.J. Transit Property, Ferry Street Old # - 764 | Sweep | 1.2 | |
| 842 | N.J. Transit Property, Ferry Street Old # - 765 | Soil | 1.4 | |
| 843 | P & K Industries, Ferry & Foundry Sts. Old # - 770 | Sweep | 0.76 | |
| 844 | QA Reference Material A (Native) | Soil | 10 | |
| 845 | Sidewalk, Lockwood St. Old # - 773 | Sweep | 4.5 | |
| 846 | QA Reference Material F (Native) | Soil | 1.5 | |
| 847 | QA Reference Material A (Native) | Soil | 8.3 | |
| 848 | Exxon Station, Raymond Boulevard and Lockwood Street Old # - 784 | Sweep | 1.6 | |
| 849 | Unknown Blank | Soil | ND | |
| 850 | QA Reference Material F (Native) | Soil | 1.8 | |

ND=Not Detected

SECTION 31 INDEX
QA REFERENCE MATERIAL A DUPLICATE SAMPLES

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| 31-2 | Table 2 |
| 31-3 | Table 2 (cont'd) |

SECTION 31
TABLE 1
SAMPLES WITH CONCENTRATIONS 1 PPB OR GREATER
QA REFERENCE MATERIAL A DUPLICATE SAMPLES
10/10/83

SAMPLE TYPE - GRAB SOIL

| SAMPLE NUMBER | SAMPLE LOCATION | TCDD CONCENTRATION (ppb) | |
|---------------|-----------------|-----------------------------|--------|
| | | Initial | Repeat |

No samples with concentrations 1 ppb or greater.

NOTES:

- (a) 19 samples were shipped.
- (b) 17 QA samples with concentrations 1 ppb or greater.

SECTION 31
TABLE 2
ALL SAMPLES INCLUDING QA/QC
QA REFERENCE MATERIAL A DUPLICATE SAMPLES
10/10/83

SAMPLE TYPE - GRAB SOIL

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|---|-------------|-----------------------------|--------|
| | | | Initial | Repeat |
| 859 | QA Reference Material A (Native) Old # -400 | Soil | 8.1 | |
| 866 | QA Reference Material A (Native) Old # -474 | Soil | 7.7 | |
| 867 | Unknown Blank | Soil | ND | |
| 868 | QA Reference Material A (Native) Old # -23 Late 687B, Blue Spruce | Soil | 6.4 | |
| 869 | QA Reference Material A (Native) Old # -495 | Soil | 7.0 | |
| 870 | QA Reference Material A (Native) Old # -566 | Soil | 6.4 | |
| 871 | QA Reference Material A (Native) Old # -625 | Soil | 6.7 8.2 duplicate | |
| 872 | Known Blank (Matrix Spike) | Soil | 1.2 | |
| 873 | QA Reference Material A (Native) Old # -550 | Soil | 6.8 6.2 duplicate | |

ND = Not Detected

SECTION 31
TABLE 2 (cont'd)
ALL SAMPLES INCLUDING QA/QC
QA REFERENCE MATERIAL A DUPLICATE SAMPLES
10/10/83

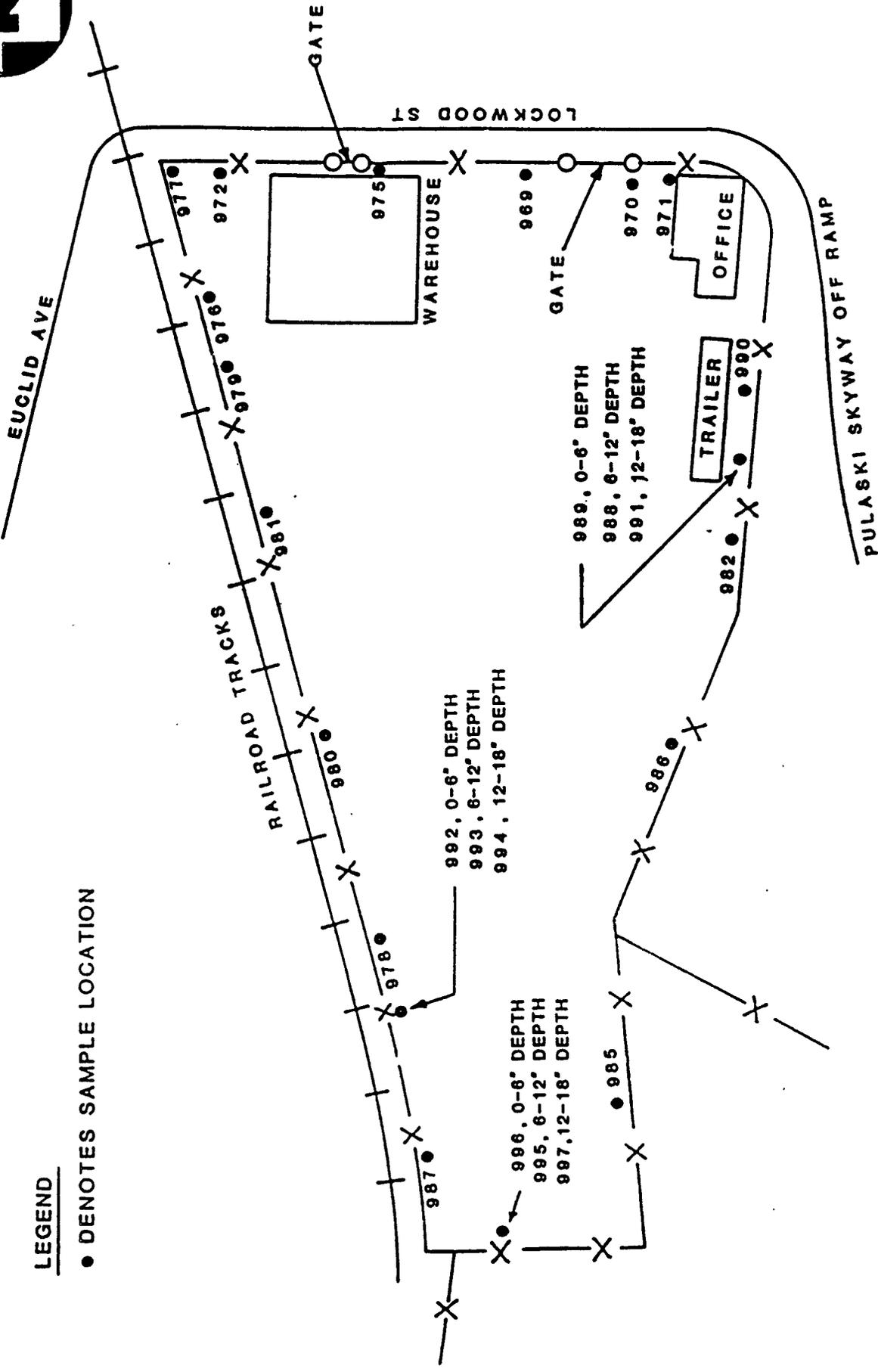
SAMPLE TYPE - GRAB SOIL

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|--|-------------|-----------------------------|--------|
| | | | Initial | Repeat |
| 874 | QA Reference Material A (Native) Old # -650 | Soil | 6.0 | |
| 875 | QA Reference Material A (Native) Old # -575 | Soil | 8.0 | |
| 876 | QA Reference Material A (Native) Old # -618 | Soil | 6.2 | |
| 877 | QA Reference Material A (Native) Old # -721 | Soil | 6.4 | |
| 878 | QA Reference Material A (Native) Old # -740 | Soil | 7.0 | |
| 879 | QA Reference Material A (Native) Old # -836 | Soil | 7.1 | |
| 880 | QA Reference Material A (Native) Old # -840 | Soil | 6.5 | |
| 881 | QA Reference Material A (Native) Old # -844 | Soil | 6.8 | |
| 882 | Unknown Blank | Soil | ND | |
| 883 | QA Reference Material A (Native) Old # -847 | Soil | 7.2 | |

ND = Not Detected

SECTION 32
BRADY IRON AND METALS PERIMETER

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| 32-6 | Table 1 (cont'd) |
| 32-7 | Table 1 (cont'd) |
| 32-8 | Table 1 (cont'd) |
| 32-9 | Table 1 (cont'd) |
| 32-10 | Table 1 (cont'd) |
| 32-11 | Table 1 (cont'd) |
| 32-12 | Table 1 (cont'd) |
| 32-13 | Table 2 |
| 32-14 | Table 2 (cont'd) |
| 32-15 | Table 2 (cont'd) |
| 32-16 | Table 2 (cont'd) |
| 32-17 | Table 2 (cont'd) |
| 32-18 | Table 2 (cont'd) |
| 32-19 | Table 2 (cont'd) |
| 32-20 | Table 2 (cont'd) |
| 32-21 | Table 2 (cont'd) |



LEGEND

● DENOTES SAMPLE LOCATION

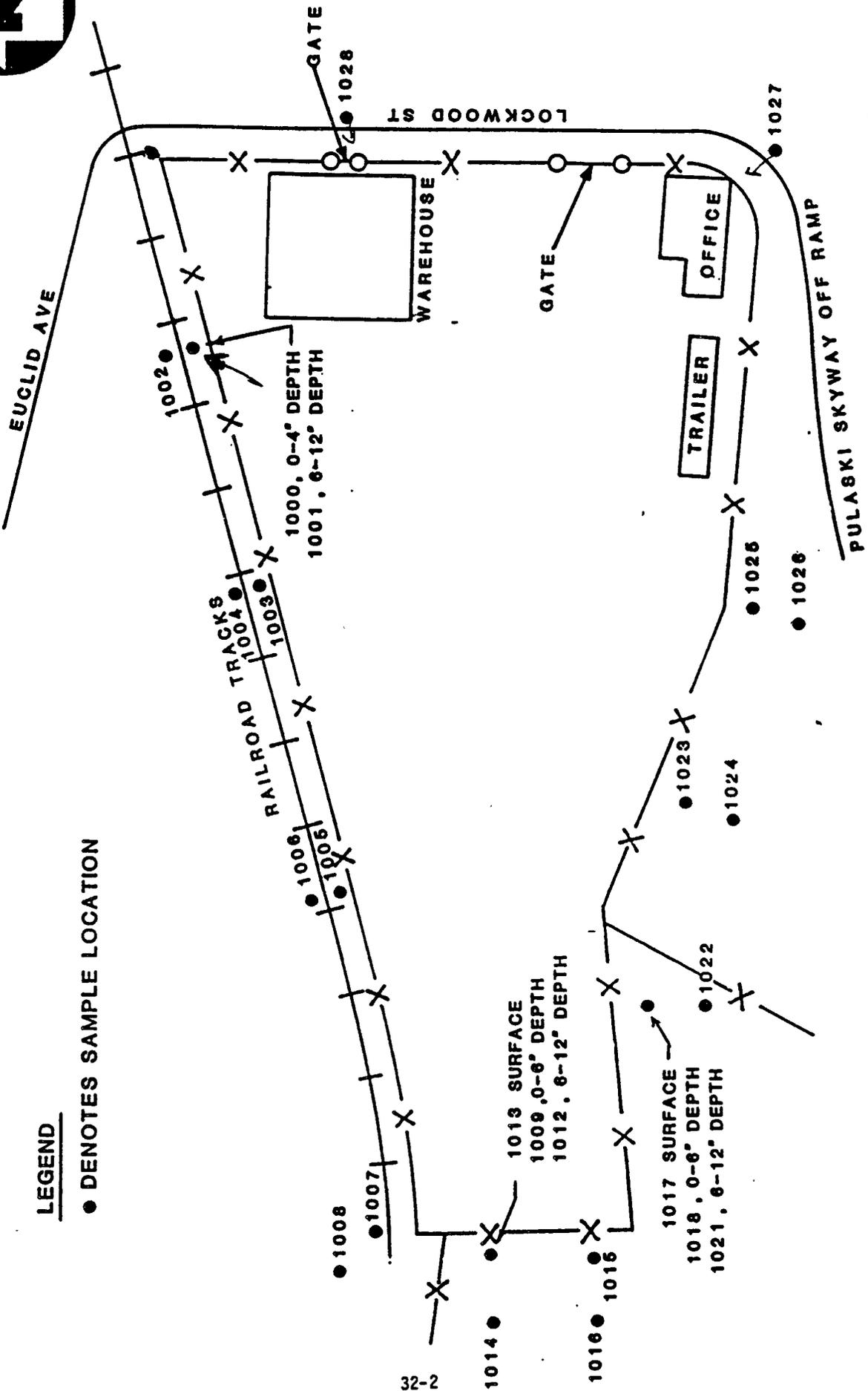
FIGURE 1



INSIDE PROPERTY SAMPLING LOCATIONS
BRADY IRON & METALS, 80 LISTER AVENUE, NEWARK, N.J.

SCALE: 1" = 40'

32-1



LEGEND

● DENOTES SAMPLE LOCATION

FIGURE 2

OUTSIDE PROPERTY SAMPLING LOCATIONS
BADY IRON & METALS, 80 LISTER AVENUE, NEWARK, N.J.

SCALE: 1" = 40'

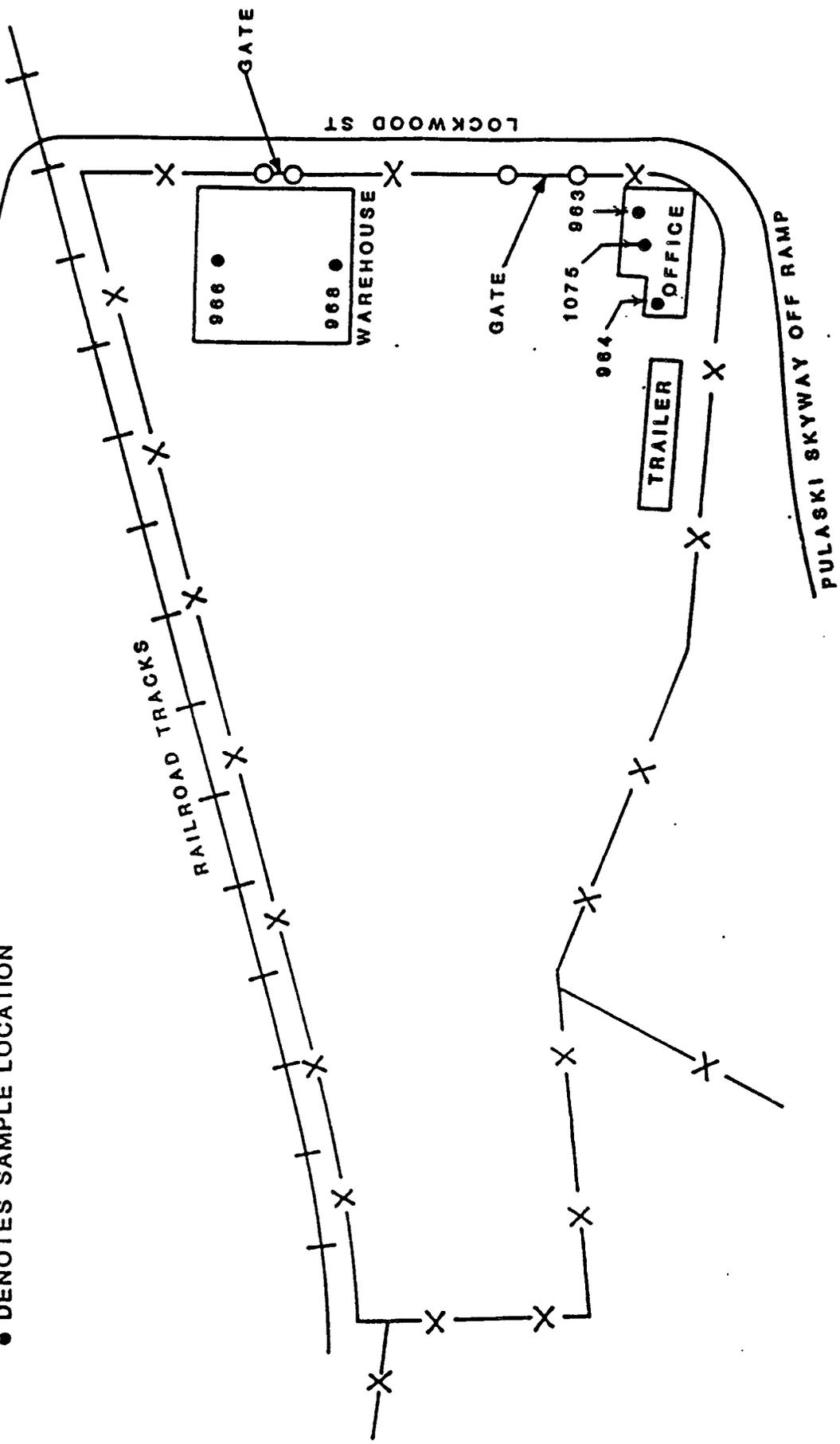




EUCLID AVE

LEGEND

● DENOTES SAMPLE LOCATION



32-3

FIGURE 3

INSIDE BUILDING SAMPLE LOCATIONS
BRADY IRON & METALS, 80 LISTER AVENUE, NEWARK, N.J.

SCALE: 1" = 40'



SECTION 32
TABLE 1
SAMPLES WITH CONCENTRATIONS 1 PPB OR GREATER
BRADY IRON AND METALS PERIMETER
10/26/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|--|-------------|--------------------------|--------|
| | | | Initial | Repeat |
| 964 | From filing cabinet and desk top in executive office, Brady Metals office building. Old #BI-30. | Wipe | 14 ng | |
| 966 | Inside wall of Brady Metals property. Old #BI-27. | Sweep | 3.8 5.4 duplicate | |
| 968 | Floor of warehouse, Brady Metals property. Old #BI-28. | Sweep | 16 | |
| 969 | Forty feet (40') north of northeast corner of Brady Metals office building, 2' inside the fenceline. Old #BI-1. | Soil | 16 | |
| 970 | Twenty feet (20') north of northeast corner of Brady Metals office building, 2' inside the fenceline. Old #BI-2. | Soil | 17 | |
| 971 | Two feet (2') inside the fenceline at the northeast corner of Brady Metals office building. Old #BI-3. | Soil | 17 | |

ng = Sample results reported in nanograms.

SECTION 32
TABLE 1 (cont'd)
SAMPLES WITH CONCENTRATIONS 1 PPB OR GREATER
BRADY IRON AND METALS PERIMETER
10/26/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|---|-------------|--------------------------|--------|
| | | | Initial | Repeat |
| 972 | One hundred-twenty feet (120') north of northeast corner of Brady Metals office building. 2' inside the fenceline. Old #BI-4. | Soil | 12 | |
| 975 | Eighty feet (80') north of northeast corner of Brady Metals office building, 2' inside the fenceline. Old #BI-5. | Soil | 21 | |
| 976 | Forty feet (40') west of north east corner of fencepost, 2' inside the fenceline. Old #BI-6. | Soil | 7.7 | |
| 977 | Two feet (2') inside the fenceline at the northeast corner fencepost. Old #BI-7. | Soil | 10 10 duplicate | |
| 978 | Two hundred-twenty feet (220') west of the northeast corner fencepot, 2' inside the fenceline. Old #BI-8. | Soil | NG | 290 |
| 979 | Sixty feet (60') west of the northeast corner fencepost 2' inside the fenceline. Old #BI-9 | Soil | NG | 29 |
| 980 | One hundred-sixty feet (160') west of the northeast corner fencepost, 2' inside the fenceline. Old #BI-10. | Soil | NG | 629 |

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

SECTION 32
TABLE 1 (cont'd)
SAMPLES WITH CONCENTRATIONS 1 PPB OR GREATER
BRADY IRON AND METALS PERIMETER
10/26/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|---|-------------|--------------------------|--------|
| | | | Initial | Repeat |
| 981 | One hundred feet (100') west of the northeast corner fencepost, 2' inside the fenceline. Old #BI-11. | Soil | NG | 77 |
| 982 | Two hundred feet (200') east of the southwest corner fencepost, 2' inside the fenceline. Old #BI-12. | Soil | NG | 27 |
| 985 | Forty feet (40') east of the west corner fencepost, 2' inside the fenceline. Old #BI-13. | Soil | NG | 230 |
| 986 | One hundred-forty feet (140') east of the southwest corner fencepost, 2' inside the fenceline. Old #BI-14. | Soil | NG | 470 |
| 987 | Two hundred-eighty feet (280') west of the northeast corner fencepost, 2' inside the fenceline. Old #BI-15. | Soil | NG | 100 |

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

SECTION 32
TABLE 1 (cont'd)
SAMPLES WITH CONCENTRATIONS 1 PPB OR GREATER
BRADY IRON AND METALS PERIMETER
10/26/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|---|--------------------|--------------------------|--------|
| | | | Initial | Repeat |
| 988 | Two hundred-twenty feet (220') east of the southwest corner fencepost, 2' inside the fenceline. Old #BI-16. | Soil, 6-12" depth | 5.9 | |
| 989 | Two hundred-twenty feet (220') east of the southwest corner fencepost, 2' inside the fenceline. Old #BI-17. | Soil, 0-6" depth | 3.0 | |
| 990 | Two hundred-forty feet (240') east of the southwest corner fencepost, 2' inside the fenceline. Old #BI-18. | Soil | 24 | |
| 991 | Two hundred-twenty feet (220') east of the southwest corner fencepost, 2' inside the fenceline. Old #BI-19. | Soil, 12-18" depth | 1.7 | |
| 992 | Two hundred-forty feet (240') west of the northeast corner fencepost, 2' inside the fenceline. Old #BI-20. | Soil, 0-6" depth | .NG | 99 |

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements

SECTION 32
TABLE 1 (cont'd)
SAMPLES WITH CONCENTRATIONS 1 PPB OR GREATER
BRADY IRON AND METALS PERIMETER
10/26/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|--|--------------------|--------------------------|--------|
| | | | Initial | Repeat |
| 993 | Two hundred-forty feet (240') west of the northeast corner fencepost, 2' inside the fenceline. Old #BI-21. | Soil, 6-12" depth | NG | 160 |
| 994 | Two hundred-forty feet (240') west of the northeast corner fencepost, 2' inside the fenceline. Old #BI-22. | Soil, 12-18" depth | 10 | |
| 995 | Twenty feet (20') south of northwest corner fencepost, 2' inside the fenceline. Old #BI-23. | Soil, 6-12" depth | 5.2 | |
| 996 | Twenty feet (20') south of the northwest corner fencepost, 2' inside the fenceline. Old #BI-24. | Soil, 0-6" depth | 1156 | |
| 997 | Twenty feet (20') south of the northwest corner fencepost, 2' inside the fenceline. Old #BI-25. | Soil, 12-18" depth | 9.1 6.9 Duplicate | |

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

SECTION 32
TABLE 1 (cont'd)
SAMPLES WITH CONCENTRATIONS 1 PPB OR GREATER
BRADY IRON AND METALS PERIMETER
10/26/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|---|------------------|--------------------------|--------|
| | | | Initial | Repeat |
| 1000 | Two feet (2') outside the fenceline at north-east property corner. Old #BO-1 | Soil, 0-4" depth | NG | 5.6 |
| 1002 | Ten feet (10') outside east property corner. Old #BO-3. | Soil | NG | 2.4 |
| 1007 | Three hundred feet (300') west of north-east corner fencepost, 2' outside the fenceline. Old #BO-8. | Soil | NG | 725 |
| 1009 | Twenty feet (20') south of the north west corner fence post, 2' outside the fenceline. Old #BO-10. | Soil, 0-6" depth | NG | 28 |

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

SECTION 32
TABLE 1 (cont'd)
SAMPLES WITH CONCENTRATIONS 1 PPB OR GREATER
BRADY IRON AND METALS PERIMETER
10/26/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|--|-------------------|--------------------------|--------|
| | | | Initial | Repeat |
| 1013 | Twenty feet (20') south of the northwest corner fencepost, 2' outside the fenceline. Old #BO-12. | Soil | 6.5 | |
| 1014 | Twenty feet (20') south of the northwest corner fencepost, 10' outside the fenceline. Old #BO-13. | Soil | 3.9 | |
| 1015 | Forty feet (40') south of the northwest corner fencepost, 2' outside the fenceline. Old 3 BO-14. | Soil | 2.8 | |
| 1016 | Forty feet (40') south of the northwest corner fencepost, 2' outside the fenceline. Old #BO-15. | Soil | 2.3 | |
| 1017 | One hundred-twenty feet (120') east of the southwest corner fencepost, 2' outside the fenceline. Old #BO-16. | Soil | NG | 623 |
| 1018 | One hundred-twenty feet (120') east of the southwest corner fencepost, 2' outside the fenceline. Old #BO-17. | Soil, 0-6" depth | NG | 750 |
| 1021 | One hundred-twenty feet (120') east of the southwest corner fencepost, 2' outside the fenceline Old #BO-18. | Soil, 6-12" depth | NG | 30 |

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

SECTION 32
 TABLE 1 (cont'd)
 SAMPLES WITH CONCENTRATIONS 1 PPB OR GREATER
 BRADY IRON AND METALS PERIMETER
 10/26/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|--|-------------|--------------------------|--------|
| | | | Initial | Repeat |
| 1022 | One hundred-twenty feet (120') east of the southwest corner fencepost 10' outside the fenceline. Old #BO-19. | Soil | NG | 340 |
| 1023 | One hundred-forty feet (140') east of the southwest corner fencepost, 2' outside the fenceline. Old #BO-20. | Soil | NG | 291 |
| 1024 | One hundred-forty feet (140') east of the southwest corner fencepost, 10' outside the fenceline. Old #BO-21. | Soil | NG | 401 |

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

SECTION 32
TABLE 1 (cont'd)
SAMPLES WITH CONCENTRATIONS 1 PPB OR GREATER
BRADY IRON AND METALS PERIMETER
10/26/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|--|-------------|--------------------------|--------|
| | | | Initial | Repeat |
| 1025 | Two hundred feet (200') east of the southwest corner fencepost, 2' outside the fenceline. Old #BO-22. | Soil | 8.0 | |
| 1026 | Two hundred feet (200') east of the southwest corner fencepost, 10' outside the fenceline. Old #BO-23. | Soil | 2.2 | |
| 1027 | Two feet (2') east outside fenceline at southeast property corner. Old #BO-24. | Soil | 4.7 | |
| 1028 | East of the warehouse, 2' outside the fenceline. Old #BO-25. | Soil | NG | 67 |

NOTES:

- (a) 55 samples were collected.
- (b) 3 samples had no detection of TCDD.
- (c) 4 samples were detected below 1.00 ppb TCDD.
- (d) 1 sample did not pass EPA Monitoring Management Branch QA/QC requirements.
- (e) 1 sample did not have enough volume to be analyzed, so it was not shipped to the lab.
- (f) NG = Did not pass EPA Monitoring Management Branch QA/QC requirement.

SECTION 32
TABLE 2
ALL SAMPLES INCLUDING QA/QC
BRADY IRON AND METALS PERIMETER
10/26/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|--|-------------|--------------------------|--------|
| | | | Initial | Repeat |
| 962 | Known Blank (Matrix Spike) | Soil | 0.88 | |
| 963 | From blue filing cabinet in outer office, Brady Metal office building. Old #BI-29. | Wipe | NG | |
| 964 | From filing cabinet and desk top in executive office, Brady Metal office building. Old #BI-30. | Wipe | 14 ng | |
| 965 | QA Reference Material A (Native) | Soil | 7.0 | |
| 966 | Inside wall of warehouse, Brady Metal property. Old #BI-27. | Sweep | 3.8 5.4 duplicate | |
| 967 | Unknown Blank | Soil | ND | |
| 968 | Floor of warehouse, Brady Metal property. Old #BI-28. | Sweep | 16 | |
| 969 | Forty feet (40') north of northeast corner of Brady Metals office building, 2' inside the fenceline. Old #BI-1. | Soil | 16 | |
| 970 | Twenty feet (20') north of north east corner of Brady Metal office building, 2' inside the fenceline. Old #BI-2. | Soil | 17 | |

ND = Not Detected

NG = Did not pass EPA Monitoring Management Branch QA/AC requirements.

ng = Sample results reported in nanograms.

SECTION 32
TABLE 2 (cont'd)
ALL SAMPLES INCLUDING QA/QC
BRADY IRON AND METALS PERIMETER
10/22/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|--|-------------|--------------------------|--------|
| | | | Initial | Repeat |
| 971 | Two feet (2') inside the fenceline at the northeast corner of Brady Metal office building. Old #BI-3. | Soil | 17 | |
| 972 | One hundred-twenty feet (120') north of northeast corner of Brady Metal office building, 2' inside the fenceline. Old #BI-4. | Soil | 12 | |
| 973 | Known Blank (Matrix Spike) | Soil | 1.1 | |
| 974 | QA Reference Material A (Native) | Soil | 9.1 | |
| 975 | Eighty feet (80') north of northeast corner of Brady Metal office building, 2' inside the fenceline. Old #BI-5. | Soil | 21 | |
| 976 | Forty feet (40') west of northeast corner of fencepost inside the fenceline. Old #BI-6. | Soil | 7.7 | |
| 977 | Two feet (2') inside the fenceline at the northeast corner fencepost. Old #BI-7. | Soil | 10 10 duplicate | |
| 978 | Two hundred-twenty feet (220') west of the northeast corner fencepost, 2' inside the fenceline. Old #BI-8. | Soil | NG | 290 |

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

SECTION 32
TABLE 2 (cont'd)
ALL SAMPLES INCLUDING QA/QC
BRADY IRON AND METALS PERIMETER
10/22/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|--|-------------|--------------------------|--------|
| | | | Initial | Repeat |
| 979 | Sixty feet (60') west of the northeast corner fence post 2' inside the fence line. Old #BI-9. | Soil | NG | 29 |
| 980 | One hundred-sixty feet (160') west of the northeast corner fencepost, 2' inside the fenceline. Old #BI-10. | Soil | NG | 629 |
| 981 | One hundred feet (100') west of the northeast corner fencepost, 2' inside the fenceline. Old #BI-11. | Soil | NG | 77 |
| 982 | Two hundred feet (200') east of the southwest corner fencepost, 2' inside the fenceline. Old #BI-12. | Soil | NG | 27 |
| 983 | Unknown Blank | Soil | ND | |
| 984 | QA Reference Material F (Native) | Soil | 1.3 | |
| 985 | Forty feet (40') east of the west corner fencepost, 2' inside the fenceline. Old #BI-13. | Soil | NG | 230 |
| 986 | One hundred-forty feet (140') east of the southwest corner fencepost, 2' inside the fenceline. Old #BI-14. | Soil | NG | 470 |

ND = Not Detected

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

SECTION 32
TABLE 2 (cont'd)
ALL SAMPLES INCLUDING QA/QC
BRADY IRON AND METALS PERIMETER
10/22/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|--|--------------------|--------------------------|--------|
| | | | Initial | Repeat |
| 987 | Two hundred-eighty feet (280') west of the north-east corner fencepost, 2' inside the fenceline. Old #BI-15. | Soil | NG | 100 |
| 988 | Two hundred-twenty feet (220') east of the south-west corner fencepost, 2' inside the fenceline. Old #BI-16. | Soil, 6-12" depth | 5.9 | |
| 989 | Two hundred-twenty feet (220') east of the south-west corner fencepost, 2' inside the fenceline. Old BI #BI-17. | Soil, 0-6" depth | 3.0 | |
| 990 | Two hundred-forty feet (240') east of the south-west corner fencepost, 2' inside the fenceline. Old #BI-18. | Soil | 24 | |
| 991 | Two hundred-twenty feet (220') east of the south-west corner fencepost, 2' inside the fenceline. Old #BI-19. | Soil, 12-18" depth | 1.7 | |
| 992 | Two hundred-forty feet (240') west of the north-east corner fencepost, 2' inside the fenceline. Old #BI-20. | Soil, 0-6" depth | NG | 99 |

NG = Did not pass EPA Monitoring Management QA/QC requirements.

SECTION 32
TABLE 2 (cont'd)
ALL SAMPLES INCLUDING QA/QC
BRADY IRON AND METALS PERIMETER
10/22/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|--|--------------------|--------------------------|--------|
| | | | Initial | Repeat |
| 993 | Two hundred-forty feet (240') west of the northeast corner fencepost, 2' inside the fenceline. Old #BI-21. | Soil, 6-12" depth | NG | 160 |
| 994 | Two hundred-forty feet (240') west of the northeast corner fencepost, 2' inside the fenceline. Old #BI-22. | Soil, 12-18" depth | 10 | |
| 995 | Twenty feet (20') south of the northwest corner fencepost, 2' inside the fenceline. Old #BI-23. | Soil, 6-12" depth | 5.2 | |
| 996 | Twenty feet (20') south of the northwest corner fencepost, 2' inside the fenceline. Old #BI-24. | Soil, 0-6" depth | NG | 1156 |
| 997 | Twenty feet (20') south of the northwest corner fencepost, 2' inside the fenceline. Old #BI-25. | Soil, 12-18" depth | 9.1 6.9 duplicate | |
| 998 | Known Blank (Matrix Blank) | Soil | 0.94 | |
| 999 | QA Reference Material A (Native) | Soil | 6.7 | |
| 1000 | Two feet (2') outside the fenceline at northeast property corner. Old #BO-1 | Soil, 0-4" depth | NG | 5.6 |
| 1001 | Two feet (2') outside the fenceline at northeast property corner. Old #BO-2. | Soil, 6-12" depth | ND | |

ND = Not Detected

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

SECTION 32
TABLE 2 (cont'd)
ALL SAMPLES INCLUDING QA/QC
BRADY IRON AND METALS PERIMETER
10/22/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|--|------------------|--------------------------|--------|
| | | | Initial | Repeat |
| 1002 | Ten feet (10') outside the fenceline at northeast property corner. Old #BO-3. | Soil | NG | 2.4 |
| 1003 | One hundred feet (100') west of northeast corner fencepost, 2' outside the fenceline. Old #BO-4. | Soil | 0.09 | |
| 1004 | One hundred feet (100') west of northeast corner fencepost, 2' outside the fenceline. Old #BO-5. | Soil | ND | |
| 1005 | Two hundred feet (200') west of northeast corner fencepost, 2' outside the fenceline. Old #BO-6. | Soil | 0.39 | |
| 1006 | Two hundred feet (200') west of northeast corner fencepost, 10' outside the fenceline. Old #BO-7. | Soil | ND | |
| 1007 | Three hundred feet (300') west of northeast corner fencepost, 2' outside the fenceline. Old #BO-8. | Soil | NG | 725 |
| 1008 | Northwest corner fencepost, 10' north of the fenceline. Old #BO-9. | Soil | 0.70 | |
| 1009 | Twenty feet (20') south of the northwest corner fencepost, 2' outside the fenceline. Old #BO-10. | Soil, 0-6" depth | NG | 28 |

ND = Not Detected

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

SECTION 32
TABLE 2 (cont'd)
ALL SAMPLES INCLUDING QA/QC
BRADY IRON AND METALS PERIMETER
10/22/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|--|-------------------|--------------------------|--------|
| | | | Initial | Repeat |
| 1010 | Unknown Blank | Soil | 0.31 | |
| 1011 | QA Reference Material F (Native) | Soil | 1.4 | |
| 1012 | Twenty feet (20') south of the northwest corner fencepost, 2' outside the fenceline. Old #BO-11. | Soil, 6-12" depth | 0.35 | |
| 1013 | Twenty feet (20') south of the northwest corner fencepost, 2' outside the fenceline. Old #BO-12. | Soil | 6.5 | |
| 1014 | Twenty feet (20') south of the northwest corner fencepost, 10' outside the fenceline. Old #BO-13. | Soil | 3.9 | |
| 1015 | Forty feet (40') south of the northwest corner fencepost, 2' outside the fenceline. Old #BO-14. | Soil | 2.8 | |
| 1016 | Forty feet (40') south of the northwest corner fencepost, 10' outside the fenceline. Old #BO-15. | Soil | 2.3 | |
| 1017 | One hundred-twenty feet (120') east of the southwest corner fencepost, 2' outside the fenceline. Old #BO-16. | Soil | NG | 623 |

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

SECTION 32
TABLE 2 (cont'd)
ALL SAMPLES INCLUDING QA/QC
BRADY IRON AND METALS PERIMETER
10/22/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|--|-------------------|--------------------------|--------|
| | | | Initial | Repeat |
| 1018 | One hundred-twenty feet (120') east of the southwest corner fencepost, 2' outside the fenceline. Old #BO-17. | Soil, 0-6" depth | NG | 750 |
| 1019 | Known Blank (Matrix Spike) | Soil | 1.2 | |
| 1020 | QA Reference Material A (Native) | Soil | 7.3 | |
| 1021 | One hundred-twenty feet (120') east of the southwest corner fencepost, 2' outside the fenceline. Old #BO-18. | Soil, 6-12" depth | NG | 30 |
| 1022 | One hundred-twenty feet (120') east of the southwest corner fencepost, 2' outside the fenceline. Old #BO-19. | Soil | NG | 340 |
| 1023 | One hundred-forty feet (140') east of the southwest corner fencepost, 2' outside the fenceline. Old #BO-20. | Soil | NG | 291 |
| 1024 | One hundred-forty feet (140') east of the southwest corner fencepost, 10' outside the fenceline. Old #BO-21. | Soil | NG | 401 |

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

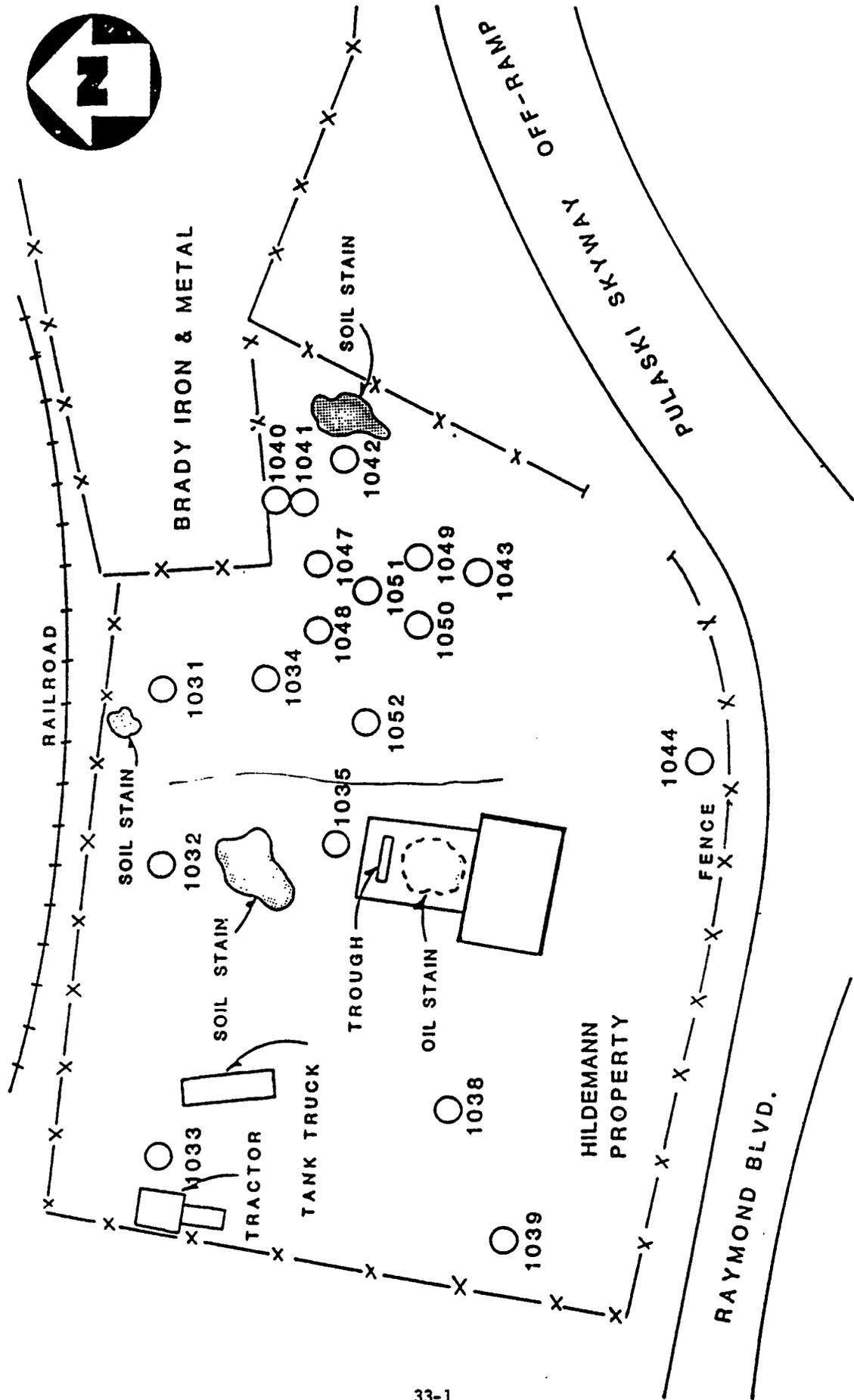
SECTION 32
TABLE 2 (cont'd)
ALL SAMPLES INCLUDING QA/QC
BRADY IRON AND METALS PERIMETER
10/22/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|---|-------------|--------------------------|--------|
| | | | Initial | Repeat |
| 1025 | Two hundred feet (200') east of the southwest corner fencepost, 2' outside the fenceline. Old #BO-22. | Soil | 8.0 | |
| 1026 | Two hundred feet (200') east of the southwest corner fencepost, 10' outside the fenceline. Old #BO-23. | Soil | 2.2 | |
| 1027 | Two feet (2') east outside fenceline at southeast property corner. Old #BO-24. | Soil | 4.7 | |
| 1028 | East of the warehouse, 2' outside the fenceline. Old #BO-25. | Soil | NG | 67 |
| 1029 | Unknown Blank | Soil | 0.12 | |
| 1030 | QA Reference Material F (Native) | Soil | 1.7 | |
| 1075 | Floor of outer office of Brady Metal office building. Old #BI-26. | Sweep | OH | |

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.
OH = Not enough sample volume to be analyzed, so it was not shipped to the lab.

**SECTION 33 INDEX
HILDEMANN PROPERTY**

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| 33-3 | Table 2 |
| 33-4 | Table 2 (cont'd) |
| 33-5 | Table 2 (cont'd) |



33-1

FIGURE 1



SAMPLE LOCATION MAP

HILDEMANN PROPERTY, 80 LISTER AVENUE, NEWARK, N.J.

(NOT TO SCALE)

SECTION 33
TABLE 1
ALL SAMPLES INCLUDING QA/QC
HILDEMANN PROPERTY
10/26/83

SAMPLE TYPE - GRAB SOIL

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|--|-------------|--------------------------|--------|
| | | | Initial | Repeat |
| 1031 | Hildemann property 40' west of western edge of Brady Iron & Metals property, 20' off the north fence line. Old #H1 | Soil | 2.6 | |
| 1040 | Hildemann property 2' south of south of Brady Iron & Metals. Old # H8 | Soil | NG | 170 |
| 1041 | Hildemann property 12' south of south edge of Brady Iron & Metals property. Old # H9 | Soil | 5.6 | |
| 1042 | Hildemann property 38' south-west of the intersection of fences on south side of Brady Iron & Metals property. Old # H10 | Soil | 9.5 | |
| 1047 | Hildemann property 56' south of south side of Brady Iron & Metals. Old # H13 | Soil | 1.1 | |

NOTES:

- (a) 18 samples were collected.
- (b) 2 samples had no detection of TCDD.
- (c) 11 samples were detected below 1.00 ppb TCDD.
- (d) NG=Did not pass EPA Monitoring Management Branch QA/QC requirements.

SECTION 33
TABLE 2
ALL SAMPLES INCLUDING QA/QC
HILDEMANN PROPERTY
10/26/83

SAMPLE TYPE - GRAB SOIL

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|---|-------------|--------------------------|--------|
| | | | Initial | Repeat |
| 1031 | Hildemann property 40' west of western edge of Brady Iron & Metals property, 20' off the north fence line. Old # H1 | Soil | 2.6 | |
| 1032 | Hildemann property 100' west of western edge of Brady Iron & Metals property, 20' off the north fence line. Old # H2 | Soil | 0.21 | |
| 1033 | Hildemann property 165' west of western edge of Brady Iron & Metals property, 20' off the north fence line. Old # H3 | Soil | ND | |
| 1034 | Hildemann property 40' west of western edge of Brady Iron & Metals property, north 110° E of fence line. Old # H4 | Soil | 0.81 0.78 duplicate | |
| 1035 | Hildemann property 98' west of western edge of Brady Iron & Metals property, north 110° E of fence line. Old # H5 | Soil | ND | |
| 1036 | Known Blank (Matrix Spike) | Soil | 1.2 | |
| 1037 | QA Reference Material F (Native) | Soil | 1.5 | |

ND = Not Detected

SECTION 33
TABLE 2 (cont'd)
ALL SAMPLES INCLUDING QA/QC
HILDEMANN PROPERTY
10/26/83

SAMPLE TYPE - GRAB SOIL

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|---|-------------|--------------------------|--------|
| | | | Initial | Repeat |
| 1038 | Hildemann property 150' west of western edge of Brady Iron & Metals property, north 110° E of fence line. Old # H6 | Soil | 0.13 | |
| 1039 | Hildemann property 200' west of western edge of Brady Iron & Metals property, north 110° E of fence line. Old # H7 | Soil | 0.15 | |
| 1040 | Hildemann property 2' of Brady Iron & Metals property. Old # H8 | Soil | NG | 170 |
| 1041 | Hildemann property 12' south of south edge of Brady Iron & Metals property. Old # H9 | Soil | 5.6 | |
| 1042 | Hildemann property 38' southwest of the intersection of fences on south side of Brady Iron & Metals property. Old # H10 | Soil | 9.5 | |
| 1043 | Hildemann property 120' southwest of the intersection of fences on south side of Brady Iron & Metals property, north 140° W. Old # H11. | Soil | 0.28 | |
| 1044 | Hildemann property 165' southwest of the intersection of fences on south side of Brady Iron & Metals, north 140° W. Old # H12 | Soil | 0.69 | |

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

SECTION 33
TABLE 2 (cont'd)
ALL SAMPLES INCLUDING QA/QC
HILDEMANN PROPERTY
10/26/83

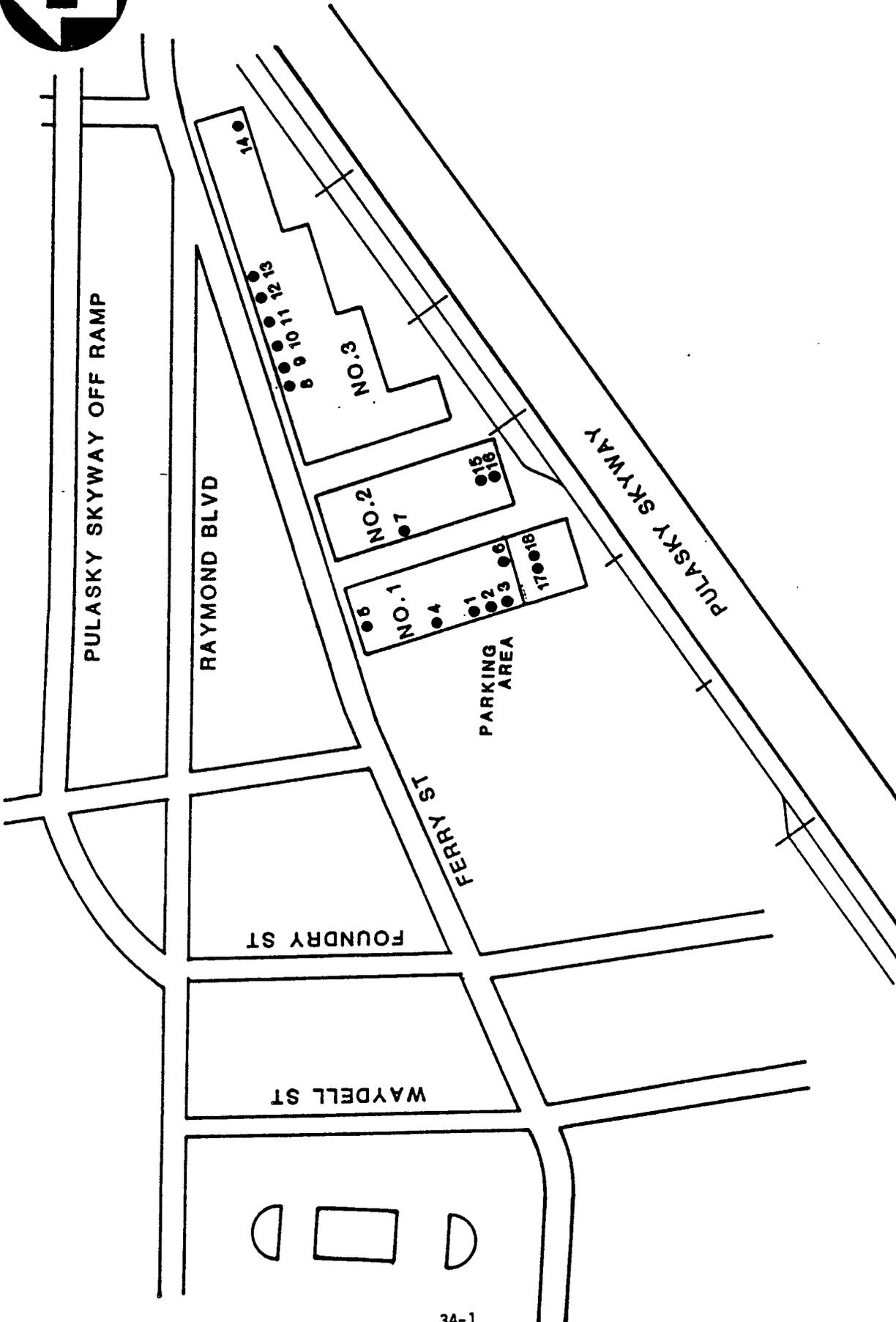
SAMPLE TYPE - GRAB SOIL

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|--|-------------|--------------------------|--------|
| | | | Initial | Repeat |
| 1045 | Unknown Blank | Soil | ND | |
| 1046 | QA Reference Material F (Native) | Soil | 1.5 | |
| 1047 | Hildemann property 56' south of south side of Brady Iron & Metals. Old # H13 | Soil | 1.1 | |
| 1048 | Hildemann property 66' south of south side of Brady Iron & Metals. Old # H14 | Soil | 0.58 | |
| 1049 | Hildemann property 73' south of south side of Brady Iron & Metals. Old # H15. | Soil | 0.52 | |
| 1050 | Hildemann property 73' south of south side of Brady Iron & Metals, 10' west of above samples. Old # H16. | Soil | 0.24 | |
| 1051 | Hildemann property in center of box created by four previous samples. Old # H17. | Soil | 0.58 | |
| 1052 | Hildemann property 66' south of south side of Brady Iron & Metals, 30' west of fence line. Old # H18 | Soil | 0.23 | |

ND = Not Detected

SECTION 34 INDEX
NEW JERSEY TRANSIT

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| 34-6 | Table 2 (cont'd) |



34-1

FIGURE 1



SAMPLE LOCATION MAP
NEW JERSEY TRANSIT, 80 LISTER AVE, NEWARK, N.J.

(NOT TO SCALE)

**SECTION 34
TABLE 1
SAMPLES WITH CONCENTRATIONS 1 PPB OR GREATER
NEW JERSEY TRANSIT
10/27/83**

SAMPLE TYPE - AIR CONDITIONER FILTER

| SAMPLE NUMBER | SAMPLE LOCATION | TCDD CONCENTRATION (ppb) | |
|---------------|-----------------|-----------------------------|--------|
| | | Initial | Repeat |

No samples with concentrations 1 ppb or greater.

NOTES:

- (a) 18 samples were collected.
- (b) 14 samples had no detection of TCDD.
- (c) 2 samples were detected below 1.00 ppb TCDD.
- (d) 2 samples did not pass EPA Monitoring Management Branch QA/QC requirements.

SECTION 34
TABLE 2
ALL SAMPLES INCLUDING QA/QC
NEW JERSEY TRANSIT
10/27/83

SAMPLE TYPE - AIR CONDITIONER FILTER

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|--|------------------------|--------------------------|--------|
| | | | Initial | Repeat |
| 1053 | New Jersey Transit, right side, air conditioning filter - office at west end of building No. 1. Old # NJT1 | Air Conditioner Filter | ND | |
| 1054 | New Jersey Transit, left side (south side) air conditioning filter - office at west end of building No. 1. Old #NJT2 | Air Conditioner Filter | ND | |
| 1055 | New Jersey Transit, air conditioning filter, west side of building No. 1, in Lou Czornyk's office. Old # NJT3 | Air Conditioner Filter | ND | |
| 1056 | New Jersey Transit, air conditioning filter, west side of building No. 1, first aid room. Old # NJT4 | Air Conditioner Filter | ND | |
| 1057 | Known Blank (Matrix Spike) | Soil | 1.2 | |
| 1058 | QA Reference Material F (Native) | Soil | 1.2 | |
| 1059 | New Jersey Transit, air conditioning filter, north side of building No. 1, Unit Dept. Foreman's office. Old # NJT5 | Air Conditioner Filter | ND | |

ND = Not Detected

SECTION 34
TABLE 2 (cont'd)
ALL SAMPLES INCLUDING QA/QC
NEW JERSEY TRANSIT
10/27/83

SAMPLE TYPE - AIR CONDITIONER FILTER

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|--|------------------------|--------------------------|--------|
| | | | Initial | Repeat |
| 1060 | New Jersey Transit, air conditioning filter, south side of building No. 1, second floor, Electric Dept. Foreman's office. Old # NJT6 | Air Conditioner Filter | ND | |
| 1061 | New Jersey Transit, air conditioning filter, west side of building No. 2, Body Shop office. Old # NJT7 | Air Conditioner Filter | ND | |
| 1062 | New Jersey Transit, air conditioning filter, north side of building No. 3, Storage office, first filter from the west. Old # NJT8 | Air Conditioner Filter | 0.36 | |
| 1063 | New Jersey Transit, air conditioning filter, north side of building No. 3, Storage office, second filter from the west. Old # NJT9 | Air Conditioner Filter | NG | |
| 1064 | New Jersey Transit, air conditioning filter, north side of building No. 3, Storage office, third filter from the west. Old # NJT10 | Air Conditioner Filter | ND | |
| 1065 | New Jersey Transit, air conditioning filter, north side of building No. 3, Storage office, fourth filter from the west. Old # NJT11 | Air Conditioner Filter | ND | |

ND = Not Detected

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

SECTION 34
TABLE 2 (cont'd)
ALL SAMPLES INCLUDING QA/QC
NEW JERSEY TRANSIT
10/27/83

SAMPLE TYPE - AIR CONDITIONER FILTER

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|--|------------------------|--------------------------|--------|
| | | | Initial | Repeat |
| 1066 | New Jersey Transit, air conditioning filter, north side of building No. 3, Storage office, fifth filter from the west. Old # NJT12 | Air Conditioner Filter | ND | |
| 1067 | New Jersey Transit, air conditioning filter, north side of building No. 3, Storage office, sixth filter from the west. Old # NJT13 | Air Conditioner Filter | ND | |
| 1068 | New Jersey Transit, air conditioning filter, east side of building No. 3, Receiving office. Old # NJT14 | Air Conditioner Filter | NG | ND |
| 1069 | Unknown Blank | Soil | ND ND duplicate | |
| 1070 | QA Reference Material F (Native) | Soil | 1.3 | |
| 1071 | New Jersey Transit, air conditioning filter, first two filters taken from large blower unit in building No. 2, south side. Old # NJT15 | Air Conditioner Filter | ND | |
| 1072 | New Jersey Transit, air conditioning filter, second of two filters taken from large blower unit in building No. 2, south side. Old # NJT16 | Air Conditioner Filter | ND | |

ND = Not Detected

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

SECTION 34
 TABLE 2 (cont'd)
 ALL SAMPLES INCLUDING QA/QC
 NEW JERSEY TRANSIT
 10/27/83

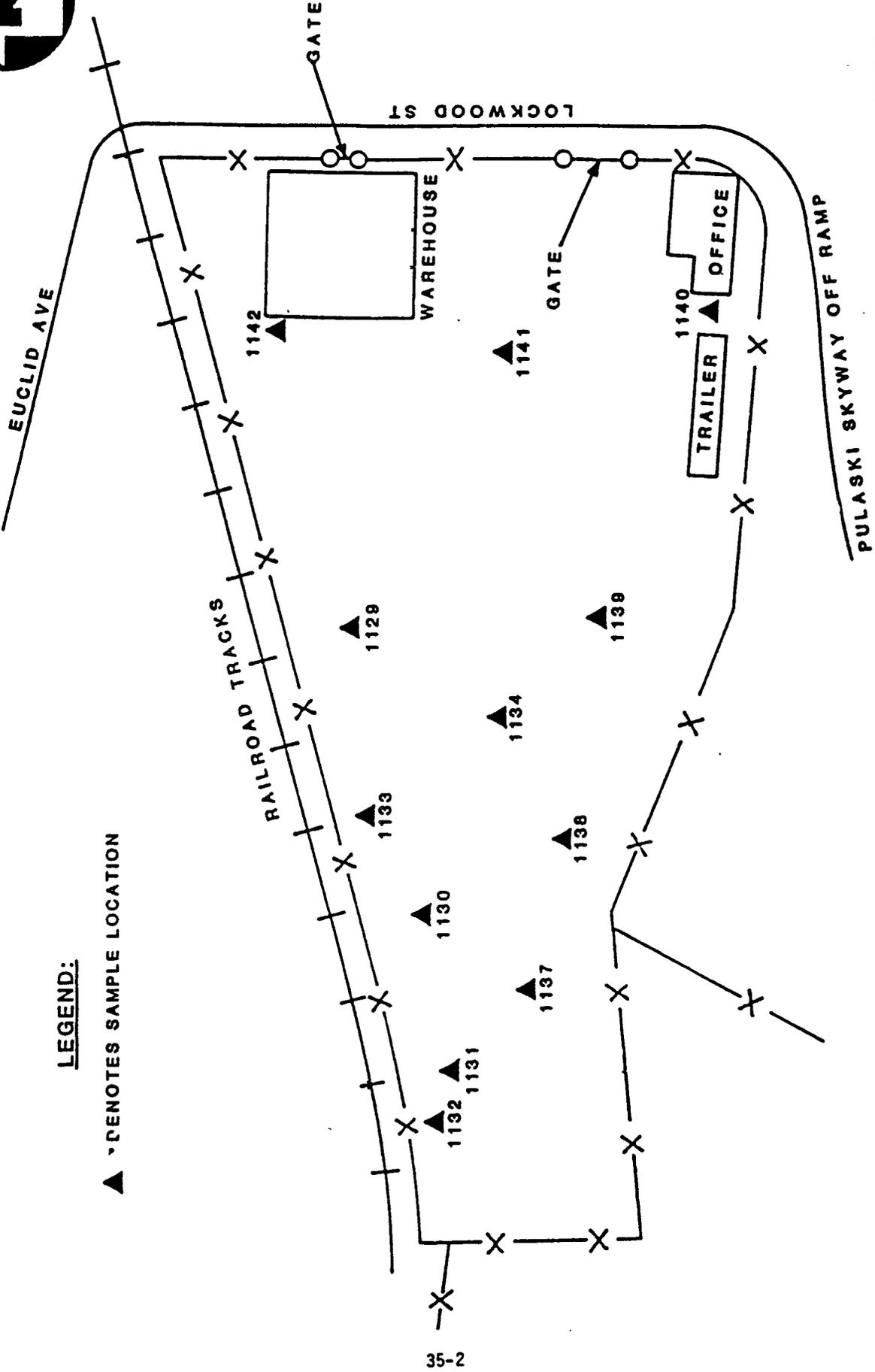
SAMPLE TYPE - AIR CONDITIONER FILTER

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|--|------------------------|--------------------------|--------|
| | | | Initial | Repeat |
| 1073 | New Jersey Transit, air conditioning filter, first of two filters taken from large blower unit in building No. 1, western side. Old # NJT17 | Air Conditioner Filter | NG | |
| 1074 | New Jersey Transit, air conditioning filter, second of two filters taken from large blower unit in building No. 2, western side. Old # NJT18 | Air Conditioner Filter | 0.16 | |

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

SECTION 35 INDEX
BRADY IRON AND METALS REMEDIAL GRID AND WIPE

| <u>Page</u> | <u>Description</u> |
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| 35-12 | Table 2 (cont'd) |
| 35-13 | Table 2 (cont'd) |



LEGEND:

▲ DENOTES SAMPLE LOCATION

FIGURE 2

REMEDIAL WIPE SAMPLE LOCATIONS

BRADY IRON & METALS, 80 LISTER AVENUE, NEWARK, N.J.

SCALE: 1" = 40'



A Halliburton Company

SECTION 35
TABLE 1
SAMPLES WITH CONCENTRATIONS 1 PPB OR GREATER
BRADY IRON AND METALS REMEDIAL GRID AND WIPE
11/8/83, 11/9/83 & 11/15/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|--|--------------------|--------------------------|--------|
| | | | Initial | Repeat |
| 1078 | In hole dug by TAT in northwest corner of the site | Soil, 3' depth | 23 | |
| 1080 | Southwest section of the site 20' off fence line | Soil | 10 5.5 duplicate | |
| 1081 | Southwest section of the site 20' off fence line | Soil, 11-12" depth | NG | 1027 |
| 1082 | 8 feet off north fence at west edge of waste pile | Soil | NG | 110 |
| 1084 | 8 feet off north fence at west edge of waste pile | Soil, 11-12" depth | 4.9 | |
| 1085 | 10 feet off south fence at base of southern waste pile | Soil | NG | 1400 |
| 1086 | 10 feet off south fence at base of southern waste pile | Soil, 5-6" depth | NG | 20 |
| 1087 | 10 feet off south fence at base of southern waste pile | Soil, 11-12" depth | 22 | |
| 1090 | 8 feet off north fence north of waste pile | Soil | NG | 65 |
| 1091 | 8 feet off north fence north of waste pile | Soil, 5-6" depth | NG | 250 |

NG = Did not pass EPA Monitoring Management QA/QC requirements.

SECTION 35
 TABLE 1 (cont'd)
 SAMPLES WITH CONCENTRATIONS 1 PPB OR GREATER
 BRADY IRON AND METALS REMEDIAL GRID AND WIPE
 11/8/83, 11/9/83 & 11/15/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|---|--------------------|--------------------------|---------------------------|
| | | | Initial | Repeat |
| 1092 | 8 feet off north fence north of waste pile | Soil, 11-12" depth | NG | 152 |
| 1093 | 28 feet off north fence, center of site | Soil | NG | 326 |
| 1094 | 28 feet off north fence, center of site | Soil, 5-6" depth | NG | 54 |
| 1095 | 28 feet off north fence, center of site | Soil, 11-12" depth | NG | 47 |
| 1096 | 7 feet off south fence south of waste pile | Soil | NG | 710 |
| 1097 | 7 feet of south fence south of waste pile | Soil, 5-6" depth | NG | 1900 1846 Duplicate |
| 1098 | 7 feet off south fence north of waste pile | Soil, 11-12" depth | NG | 39 |
| 1099 | 16 feet off north fence north of waste pile | Soil | NG | 45 |

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

SECTION 35
 TABLE 1 (cont'd)
 SAMPLES WITH CONCENTRATIONS 1 PPB OR GREATER
 BRADY IRON AND METALS REMEDIAL GRID AND WIPE
 11/8/83, 11/9/83 & 11/15/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|--|--------------------|--------------------------|--------|
| | | | Initial | Repeat |
| 1102 | 16 feet off north fence north of waste pile | Soil, 5-6" depth | NG | 270 |
| 1103 | 16 feet off north fence north of waste pile | Soil, 11-12" depth | NG | 250 |
| 1104 | 65 feet off south fence center of site | Soil | NG | 150 |
| 1105 | 64 feet off south fence center of site | Soil, 5-6" depth | NG | 41 |
| 1106 | 65 feet off south fence center of site | Soil, 11-12" depth | NG | 27 |
| 1107 | 38 feet off north fence in northeast section of site | Soil | NG | 48 |
| 1110 | At the base of western edge of trailer | Soil | NG | 23 |
| 1113 | At base of western edge of trailer | Soil, 5-6" depth | 1.2 | |
| 1114 | At base of western edge of trailer | Soil, 11-12" depth | 1.3 | |
| 1115 | 12 feet south of Warehouse | Soil | 9.2 | |

NG = Did not pass EPA Monitoring Management QA/QC requirements.

SECTION 35
 TABLE 1 (cont'd)
 SAMPLES WITH CONCENTRATIONS 1 PPB OR GREATER
 BRADY IRON AND METALS REMEDIAL GRID AND WIPE
 11/8/83, 11/9/83 & 11/15/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|--|--------------------|--------------------------|--------|
| | | | Initial | Repeat |
| 1118 | At southwest corner of office building | Soil | NG | 27 |
| 1119 | At southwest corner of office building | Soil, 5-6" depth | 21 | |
| 1120 | At southwest corner of office building | Soil, 11-12" depth | NG | 22 |
| 1122 | 70 feet due west main gate | Soil, 5-6" depth | 4.7 | |
| 1125 | 70 feet due west of main gate | Soil, 11-12" depth | 1.5 | |
| 1126 | 48 feet from north fence in center of site | Soil | NG NG Duplicate | 260 |
| 1127 | 48 feet from north fence in center of site | Soil, 5-6" depth | 63 | |
| 1128 | 48 feet from north fence in center of site | Soil, 11-12" depth | 29 | |

NOTES:

- (a) 55 samples were collected.
- (b) 3 samples were detected below 1.00 ppb TCDD.
- (c) 4 samples did not pass EPA Monitoring Management Branch QA/QC requirements.
- (d) NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

SECTION 35
TABLE 2
ALL SAMPLES INCLUDING QA/QC
BRADY IRON AND METALS REMEDIAL GRID AND WIPE
11/8/83, 11/9/83 & 11/15/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|--|--------------------|--------------------------|--------|
| | | | Initial | Repeat |
| 1076 | Known Blank (Matrix Spike) | Soil | 1.1 | |
| 1077 | QA Reference Material A (Native) | Soil | 9.8 | |
| 1078 | In hole dug by TAT in northwest corner of the site | Soil, 3' depth | 23 | |
| 1079 | Southwest section of the site 20' off fence line | Soil, 5-6" depth | 0.95 | |
| 1080 | Southwest section of the site 20' off fence line | Soil | 10 5.5 duplicate | |
| 1081 | Southwest section of the site 20' off fence line | Soil, 11-12" depth | NG | 1027 |
| 1082 | 8 feet off north fence at west edge of waste pile | Soil | NG | 110 |
| 1083 | 8 feet off north fence at west edge of waste pile | Soil, 5-6" depth | NG | NG |
| 1084 | 8 feet off north fence at west edge of waste pile | Soil, 11-12" depth | 4.9 | |
| 1085 | 10 feet off south fence at base of southern waste pile | Soil | NG | 1400 |

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

SECTION 35
TABLE 2 (cont'd)
ALL SAMPLES INCLUDING QA/QC
BRADY IRON AND METALS REMEDIAL GRID AND WIPE
11/8/83, 11/9/83 & 11/15/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|--|--------------------|--------------------------|--------|
| | | | Initial | Repeat |
| 1086 | 10 feet off south fence at base of southern waste pile | Soil, 5-6" depth | NG | 20 |
| 1087 | 10 feet off south fence at base of southern waste pile | Soil, 11-12" depth | 22 | |
| 1088 | Unknown Blank | Soil | 0.08 | |
| 1089 | QA Reference Material F (Native) | Soil | 1.3 | |
| 1090 | 8 feet off north fence north of waste pile | Soil | NG | 65 |
| 1091 | 8 feet off north fence north of waste pile | Soil, 5-6" depth | NG | 250 |
| 1092 | 8 feet off north fence north of waste pile | Soil, 11-12" depth | NG | 152 |
| 1093 | 28 feet off north fence center of site | Soil | NG | 326 |
| 1094 | 28 feet off north fence center of site | Soil, 5-6" depth | NG | 54 |
| 1095 | 28 feet off north fence center of site | Soil, 11-12" depth | NG | 47 |

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

SECTION 35
TABLE 2 (cont'd)
ALL SAMPLES INCLUDING QA/QC
BRADY IRON AND METALS REMEDIAL GRID AND WIPE
11/8/83, 11/9/83 & 11/15/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|---|--------------------|--------------------------|---------------------------|
| | | | Initial | Repeat |
| 1096 | 7 feet off south fence south of waste pile | Soil | NG | 710 |
| 1097 | 7 feet off south fence south of waste pile | Soil, 5-6" depth | NG | 1900 1846 duplicate |
| 1098 | 7 feet off south fence south of waste pile | Soil, 11-12" depth | NG | 39 |
| 1099 | 16 feet off north fence north of waste pile | Soil | NG | 45 |
| 1100 | Unknown Blank | Soil | ND | |
| 1101 | QA Reference Material F (Native) | Soil | 1.4 | |
| 1102 | 16 feet off north fence north of waste pile | Soil, 5-6" depth | NG | 270 |
| 1103 | 16 feet off north fence north of waste pile | Soil, 11-12" depth | NG | 250 |
| 1104 | 65 feet off south fence center of site | Soil | NG | 150 |
| 1105 | 64 feet off south fence center of site | Soil, 5-6" depth | NG | 41 |

ND = Not Detected

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

SECTION 35
TABLE 2 (cont'd)
ALL SAMPLES INCLUDING QA/QC
BRADY IRON AND METALS REMEDIAL GRID AND WIPE
11/8/83, 11/9/83 & 11/15/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|--|--------------------|--------------------------|--------|
| | | | Initial | Repeat |
| 1106 | 65 feet off south fence center of site | Soil, 11-12" depth | NG | 27 |
| 1107 | 38 feet off north fence in northeast section of site | Soil | NG | 48 |
| 1108 | 38 feet off north fence in northeast section of site | Soil, 5-6" depth | NG NG duplicate | |
| 1109 | 38 feet off north fence in northeast section of site | Soil, 11-12" depth | NG | |
| 1110 | At the base of western edge of trailer | Soil | NG | 23 |
| 1111 | Known Blank (Matrix Spike) | Soil | 1.2 | |
| 1112 | QA Reference Material F (Native) | Soil | 1.5 | |
| 1113 | At base of western edge of trailer | Soil, 5-6" depth | 1.2 | |
| 1114 | At base of western edge of trailer | Soil, 11-12" depth | 1.3 | |
| 1115 | 12 feet south of Warehouse | Soil | 9.2 | |

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

SECTION 35
 TABLE 2 (cont'd)
 ALL SAMPLES INCLUDING QA/QC
 BRADY IRON AND METALS REMEDIAL GRID AND WIPE
 11/8/83, 11/9/83 & 11/15/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|--|--------------------|--------------------------|--------|
| | | | Initial | Repeat |
| 1116 | 12 feet south of Warehouse | Soil, 5-6" depth | 0.31 | 0.32 |
| 1117 | 12 feet south of Warehouse | Soil, 11-12" depth | 0.51 | |
| 1118 | At southwest corner of office building | Soil | NG | 27 |
| 1119 | At southwest corner of office building | Soil, 5-6" depth | 21 | |
| 1120 | At southwest corner of office building | Soil, 11-12" depth | NG | 22 |
| 1121 | 70 feet due west of main gate | Soil | NG | |
| 1122 | 70 feet due west of main gate | Soil, 5-6" depth | 4.7 | |
| 1123 | Known Blank (Matrix Spike) | Soil | 1.2 NG Duplicate | 1.0 |
| 1124 | QA Reference Material A (Native) | Soil | 8.4 | |
| 1125 | 70 feet due west of main gate | Soil, 11-12" depth | 1.5 | |

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

SECTION 35
TABLE 2 (cont'd)
ALL SAMPLES INCLUDING QA/QC
BRADY IRON AND METALS REMEDIAL GRID AND WIPE
11/8/83, 11/9/83 & 11/15/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|--|--------------------|--|--------|
| | | | Initial | Repeat |
| 1126 | 48 feet from north fence in center of site | Soil | NG NG Duplicate NG NG Duplicate | 260 |
| 1127 | 48 feet from north fence in center of site | Soil, 5-6" depth | 63 | |
| 1128 | 48 feet from north fence in center of site | Soil, 11-12" depth | 29 | |
| 1129 | Dumpster labled 74 in northeast side of property | Wipe | 52 ng | |
| 1130 | Surface of large reaction vessel in center of western waste pile | Wipe | 45 ng | |
| 1131 | Wipe off machine press on western edge of north waste pile | Wipe | 560 ng | |
| 1132 | Wipe off machine press on western edge of north of site | Wipe | 12 ng | |
| 1133 | Wipe off ceramic bearls piled along waste pile | Wipe | 115 ng | |
| 1134 | Wipe inside green dumpster in center of site | Wipe | 110 ng | |
| 1135 | QA Reference Material F (Native) | Soil | 1.9 | |

NG = Did not pass EPA Monitoring Management QA/QC requirements.
ng = Sample results reported in nanograms

SECTION 35
 TABLE 2 (cont'd)
 ALL SAMPLES INCLUDING QA/QC
 BRADY IRON AND METALS REMEDIAL GRID AND WIPE
 11/8/83, 11/9/83 & 11/15/83

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|---|-------------|--------------------------|--------|
| | | | Initial | Repeat |
| 1136 | Unknown Blank | Soil | ND | |
| 1137 | Wipe off spool of wire at western edge of south waste pile | Wipe | 88 ng | |
| 1138 | Wipe off stainless steel vessel in center of south waste pile | Wipe | 54 ng | |
| 1139 | Wipe off yellow truck body on southern edge of waste pile | Wipe | 15 ng | |
| 1140 | Wipe off machine behind office building | Wipe | 20 ng | |
| 1141 | Wipe off engine block near TAT deconn area | Wipe | 12 ng | |
| 1142 | Wipe off western side of Warehouse | Wipe | 150 ng | |

ND = Not Detected
 ng= Sample results reported in nanograms

SECTION 36 INDEX
QA REFERENCE MATERIAL DUPLICATE SAMPLES PHASE II

| <u>Page</u> | <u>Description</u> |
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| 36-1 | Table 1 |
| 36-2 | Table 1 (cont'd) |
| 36-3 | Table 2 |
| 36-4 | Table 2 (cont'd) |
| 36-5 | Table 2 (cont'd) |

SECTION 36
TABLE 1
SAMPLES WITH CONCENTRATIONS 1 PPB OR GREATER
QA REFERENCE MATERIAL DUPLICATE SAMPLES PHASE II
11/29/83

SAMPLE TYPE - GRAB SOIL

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|---|-------------|-----------------------------|--------|
| | | | Initial | Repeat |
| 1147 | Q.A. Reference Material A (Native) | Soil | 8.0 | |
| 1148 | Q.A. Reference Material A (Native) | Soil | 7.4 | |
| 1149 | Q.A. Reference Material A (Native) | Soil | 6.8 | |
| 1150 | Q.A. Reference Material A (Native) | Soil | 6.6 | |
| 1151 | Q.A. Reference Material A (Native) | Soil | 6.5 | |
| 1152 | Q.A. Reference Material A (Native) | Soil | 6.9 6.5 duplicate | |
| 1153 | Q.A Reference Material LV (Las Vegas # 15362) | Soil | 4.1 | |
| 1154 | Q.A Reference Material LV (Las Vegas # 57113) | Soil | 4.0 | |
| 1155 | Q.A Reference Material LV (Las Vegas # 22319) | Soil | 3.9 | |
| 1158 | Q.A. Reference Material LV (Las Vegas) Old #-435 | Soil | 3.7 | |
| 1159 | Q.A. Reference Material D (Las Vegas) Old #-470 | Soil | 3.6 | |

ND = Not Detected

SECTION 36
TABLE 1 (cont'd)
SAMPLES WITH CONCENTRATIONS 1 PPB OR GREATER
QA REFERENCE MATERIAL DUPLICATE SAMPLES PHASE II
11/29/83

SAMPLE TYPE - GRAB SOIL

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|---|-------------|-----------------------------|----------------------|
| | | | Initial | Repeat |
| 1160 | Q.A Reference Material D (Las Vegas) Old #-479 | Soil | 3.5 | |
| 1161 | Q.A Reference Material A (Native) | Soil | 7.5 | |
| 1162 | Q.A Reference Material D (Las Vegas) Old #-341 | Soil | 3.9 | |
| 1163 | Q.A Reference Material A (Native) Old #-859. | Soil | 6.9 | |
| 1164 | Q.A Reference Material A (Native) Old #-866 | Soil | 7.1 | |
| 1165 | Q.A Reference Material A (Native) Old #-873 | Soil | 7.2 | |
| 1166 | Q.A Reference Material A (Native) Old #-874 | Soil | 6.4 | |
| 1167 | Q.A Reference Material A (Native) Old #-875 | Soil | 7.9 | |
| 1168 | Q.A Reference Material A (Native) Old #-876 | Soil | 6.2 | |
| 1169 | Q.A Reference Material F (Native) | Soil | 1.6 | |
| 1170 | Q.A. Reference Material F (Native) | Soil | NG | 1.4 1.5 Duplicate |

NOTES:

- (a) 24 samples were shipped.
- (b) 2 samples had no detection of TCDD.
- (c) NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

SECTION 36
TABLE 2
ALL SAMPLES INCLUDING QA/QC
QA REFERENCE MATERIAL DUPLICATE SAMPLES PHASE II
11/29/83

SAMPLE TYPE - GRAB SOIL

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|---|-------------|-----------------------------|--------|
| | | | Initial | Repeat |
| 1147 | Q.A. Reference Material A (Native) | Soil | 8.0 | |
| 1148 | Q.A. Reference Material A (Native) | Soil | 7.4 | |
| 1149 | Q.A Reference Material A (Native) | Soil | 6.8 | |
| 1150 | Q.A. Reference Material A (Native) | Soil | 6.6 | |
| 1151 | Q.A. Reference Material A (Native) | Soil | 6.5 | |
| 1152 | Q.A. Reference Material A (Native) | Soil | 6.9 6.5 duplicate | |
| 1153 | Q.A. Reference Material LV (Las Vegas # 15362) | Soil | 4.1 | |
| 1154 | Q.A. Reference Material LV (Las Vegas # 57113) | Soil | 4.0 | |
| 1155 | Q.A. Reference Material LV (Las Vegas # 22319) | Soil | 3.9 | |

SECTION 36
TABLE 2 (cont'd)
ALL SAMPLES INCLUDING QA/QC
QA REFERENCE MATERIAL DUPLICATE SAMPLES PHASE II
11/29/83

SAMPLE TYPE - GRAB SOIL

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|--|-------------|-----------------------------|--------|
| | | | Initial | Repeat |
| 1156 | Known Blank (Matrix Spike) | Soil | 0.97 | ND |
| 1157 | Unknown Blank | Soil | ND | |
| 1158 | Q.A. Reference Material D (Las Vegas) Old #-435 | Soil | 3.7 | |
| 1159 | Q.A. Reference Material D (Las Vegas) Old #-470 | Soil | 3.6 | |
| 1160 | Q.A. Reference Material D (Las Vegas) Old #-379 | Soil | 3.5 | |
| 1161 | Q.A. Reference Material A (Native) | Soil | 7.5 | |
| 1162 | Q.A. Reference Material D (Las Vegas) Old #-341 | Soil | 3.9 | |
| 1163 | Q.A. Reference Material A (Native) Old #-859 | Soil | 6.9 | |
| 1164 | Q.A. Reference Material A (Native) Old #-866 | Soil | 7.1 | |

ND = Not Detected

SECTION 36
 TABLE 2 (cont'd)
 ALL SAMPLES INCLUDING QA/QC
 QA REFERENCE MATERIAL DUPLICATE SAMPLES PHASE II
 11/29/83

SAMPLE TYPE - GRAB SOIL

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|---|-------------|-----------------------------|----------------------|
| | | | Initial | Repeat |
| 1165 | Q.A. Reference Material A (Native) Old #-873 | Soil | 7.2 | |
| 1166 | Q.A. Reference Material A (Native) Old #-874 | Soil | 6.4 | |
| 1167 | Q.A. Reference Material A (Native) Old #-875 | Soil | 7.9 | |
| 1168 | Q.A. Reference Material A (Native) Old #-876 | Soil | 6.2 | |
| 1169 | Q.A. Reference Material F (Native) | Soil | 1.6 | |
| 1170 | Q.A. Reference Material F (Native) | Soil | NG | 1.4 1.5 Duplicate |

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

SECTION 37
PRIORITY POLLUTANTS

Samples not analysed for 2,3,7,8-TCDD.

SECTION 38 INDEX
QA REFERENCE MATERIAL DUPLICATE SAMPLES PHASE III

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| 38-4 | Table 2 (cont'd) |

SECTION 38
TABLE I
SAMPLES WITH CONCENTRATIONS 1 PPB OR GREATER
QA REFERENCE MATERIAL DUPLICATE SAMPLES PHASE III
2/23/84

SAMPLE TYPE - GRAB SOIL
(Analyzed by California Analytical)

| SAMPLE NUMBER | SAMPLE LOCATION | TCDD CONCENTRATION (ppb) | |
|---------------|--|-----------------------------|--------|
| | | Initial | Repeat |
| 1147 | Q.A. Reference Material A (Native) Old ETC #1147 | 5.6 | |
| 1148 | Q.A. Reference Material A (Native) Old ETC #1148 | 5.7 | |
| 1149 | Q.A. Reference Material A (Native) Old ETC #1149 | 5.2 | |
| 1150 | Q.A. Reference Material A (Native) Old ETC #1150 | 5.2 | |
| 1151 | Q.A. Reference Material A (Native) Old ETC #1151 | 6.3 | |
| 1152 | Q.A. Reference Material A (Native) Old ETC #1152 | 5.7 | |
| 1161 | Q.A Reference Material A (Native) Old ETC #1161 | 4.9 | |
| 1164, | Q.A Reference Material A (Native) Old ETC #1164, #866, #474 | 5.0 | |
| 1166 | Q.A Reference Material A (Native) Old ETC #1166, #874, #650 | 6.4 | |
| 1167 | Q.A Reference Material A (Native) Old ETC #1167, #875, #575, #575D | 4.5 | |
| 1168 | Q.A Reference Material A (Native) Old ETC #1168, #876, #618 | 5.1 | |

SECTION 38
 TABLE 1 (cont'd)
 SAMPLES WITH CONCENTRATIONS 1 PPB OR GREATER
 QA REFERENCE MATERIAL DUPLICATE SAMPLES PHASE III
 2/23/84

SAMPLE TYPE - GRAB SOIL
 (Analyzed by California Analytical)

| SAMPLE NUMBER | SAMPLE LOCATION | TCDD CONCENTRATION (ppb) | |
|---------------|---|-----------------------------|--------|
| | | Initial | Repeat |
| 1169 | Q.A. Reference Material F (Native) Old ETC #1169 | 1.0 | |
| 1170 | Q.A. Reference Material F (Native) Old ETC #1170 & 1170D | 1.4 | |
| 1171 | Q.A. Reference Material "LV" | 2.8 | |
| 1172 | Q.A. Reference Material "LV" | 3.2 | |
| 1173 | Q.A. Reference Material "LV" | 3.2 | |
| 1174 | Q.A. Reference Material "LV" | 3.1 | |
| 1175 | Q.A. Reference Material "LV" | 3.1 | |
| 1177 N | Known Blank (Matrix Spike) | 1.0 | |
| 1179 | Q.A. Reference Material "F" (Native) | 1.1 | |
| 1180 | Q.A. Reference Material "A" (Native) | 5.7 | |
| 1181 | Q.A. Reference Material "A" (Native) | 4.9 5.2 Duplicate | |

NOTES:

- (a) 24 samples were shipped.
- (b) 1 sample had no detection of TCDD.
- (c) 1 sample was detected below 1.00 ppb TCDD.

SECTION 38
TABLE 2
ALL SAMPLES INCLUDING QA/QC
QA REFERENCE MATERIAL DUPLICATE SAMPLES PHASE III
2/23/84

SAMPLE TYPE - GRAB SOIL
(Analyzed by California Analytical)

| SAMPLE NUMBER | SAMPLE LOCATION | TCDD CONCENTRATION (ppb) | |
|---------------|---|-----------------------------|--------|
| | | Initial | Repeat |
| 1147 | Q.A. Reference Material A (Native) Old ETC #1147 | 5.6 | |
| 1148 | Q.A. Reference Material A (Native) Old ETC #1148 | 5.7 | |
| 1149 | Q.A Reference Material A (Native) Old ETC #1149 | 5.2 | |
| 1150 | Q.A. Reference Material A (Native) Old ETC #1150 | 5.2 | |
| 1151 | Q.A. Reference Material A (Native) Old ETC #1151 | 6.3 | |
| 1152 | Q.A. Reference Material A (Native) Old ETC #1152 | 5.7 | |
| 1161 | Q.A. Reference Material A (Native) Old ETC #1161 | 4.9 | |
| 1164 | Q.A. Reference Material A (Native) Old ETC #1164, #866, #474 | 5.0 | |
| 1166 | Q.A. Reference Material A (Native) Old ETC #1166, #875, #650 | 6.4 | |
| 1167 | Q.A. Reference Material A (Native) Old ETC #1167, #875, #575, #575D | 4.5 | |
| 1168 | Q.A. Reference Material A (Native) Old ETC #1168, #876, #618 | 5.1 | |

SECTION 38
TABLE 2 (cont'd)
ALL SAMPLES INCLUDING QA/QC
QA REFERENCE MATERIAL DUPLICATE SAMPLES PHASE III
2/23/84

SAMPLE TYPE - GRAB SOIL
(Analyzed by California Analytical)

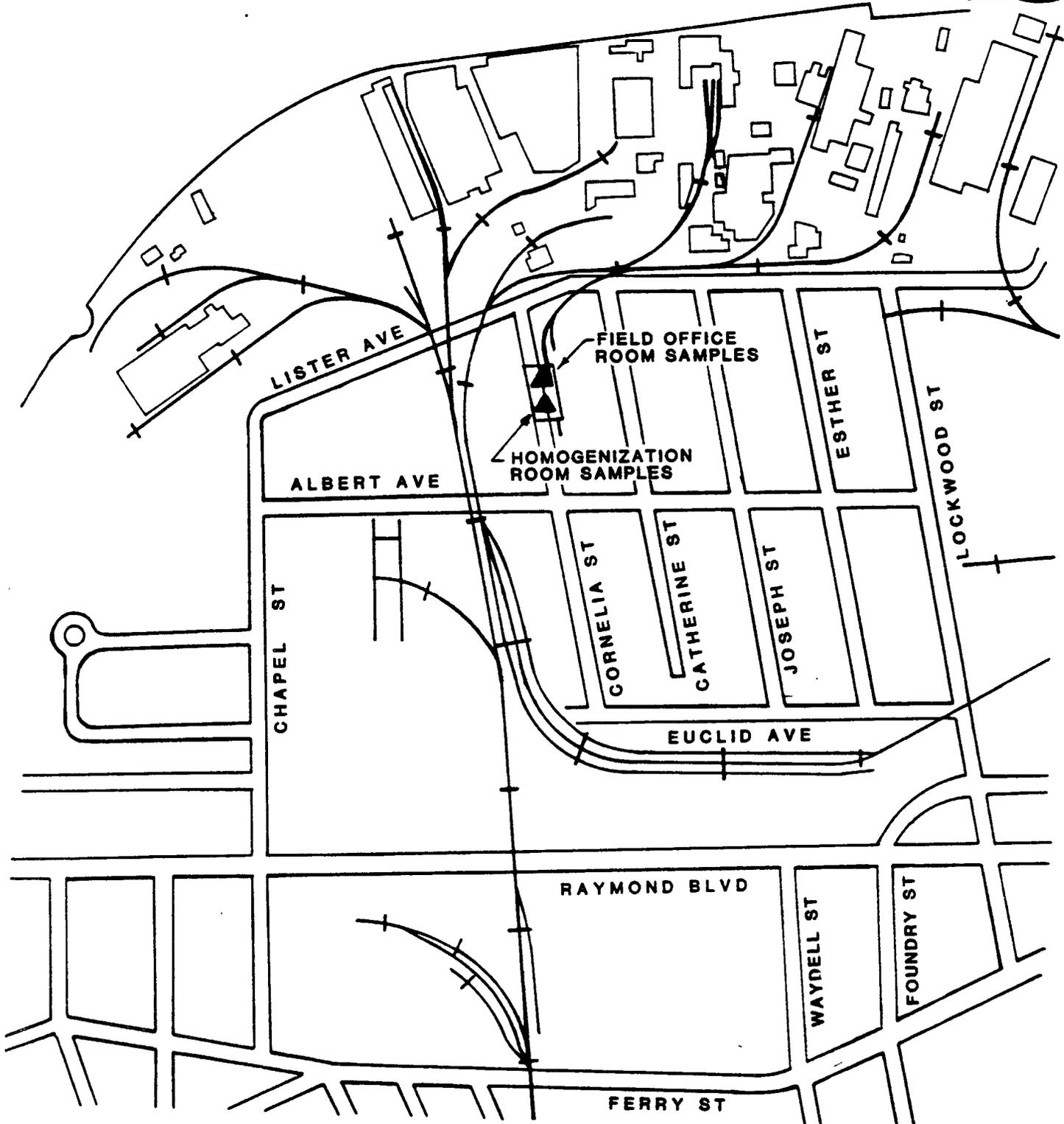
| SAMPLE NUMBER | SAMPLE LOCATION | TCDD CONCENTRATION (ppb) | |
|---------------|---|-----------------------------|--------|
| | | Initial | Repeat |
| 1169 | Q.A. Reference Material F (Native) Old ETC #1169 | 1.0 | |
| 1170 | Q.A. Reference Material F (Native) Old ETC #1170 & 1170D | 1.4 | |
| 1171 | Q.A. Reference Material "LV" | 2.8 | |
| 1172 | Q.A. Reference Material "LV" | 3.2 | |
| 1173 | Q.A. Reference Material "LV" | 3.2 | |
| 1174 | Q.A. Reference Material "LV" | 3.1 | |
| 1175 | Q.A. Reference Material "LV" | 3.1 | |
| 1176 | Unknown Blank | ND | |
| 1177N | Known Blank (Matrix Spike) | 1.0 | |
| 1178 | Q.A. Reference Material "F" (Native) | 0.97 | |
| 1179 | Q.A. Reference Material "F" (Native) | 1.1 | |
| 1180 | Q.A. Reference Material "A" (Native) | 5.7 | |
| 1181 | Q.A. Reference Material "A" (Native) | 4.9 5.2 Duplicate | |

ND = Not Detected

SECTION 39 INDEX

80 LISTER AVENUE TRAILER SAMPLING

| <u>Page</u> | <u>Description</u> |
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| 39-2 | Table 1 |
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▲ SAMPLE LOCATION

SAMPLE LOCATION MAP
TRAILER SAMPLING
80 LISTER AVE, NEWARK, N.J.

(NOT TO SCALE)

FIGURE 1
NUS
CORPORATION
A Halliburton Company

SECTION 39
TABLE 1

SAMPLES WITH CONCENTRATIONS 1 PPB OR GREATER
80 LISTER AVENUE TRAILER SAMPLING
4/19/84

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|------------------|--------------------|----------------|-----------------------------|--------|
| | | | Initial | Repeat |

No samples with concentrations 1 ppb or greater

NOTES:

- (a) 4 samples were collected.
- (b) 4 samples had no detection of TCDD

SECTION 39
TABLE 2

ALL SAMPLES INCLUDING QA/QC
80 LISTER AVENUE TRAILER SAMPLING

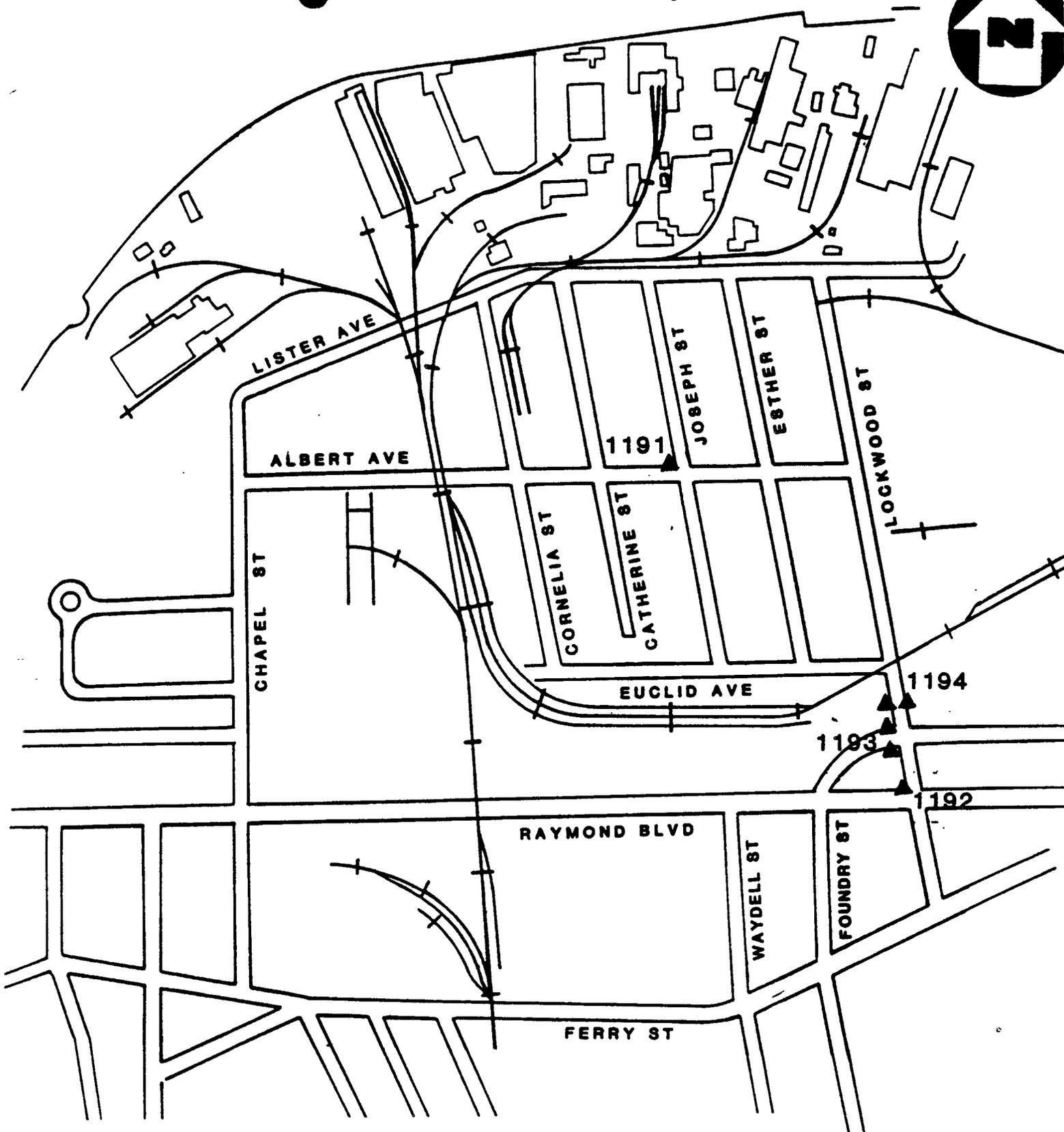
| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|---|-------------|--------------------------|--------|
| | | | Initial | Repeat |
| 1182 | Homogenization Room Trailer, Cornelia Street, Newark, N.J. | Wipe | ND | |
| 1183 | Homogenization Room Trailer, Cornelia Street, Newark, N.J. | Wipe | ND | |
| 1184 | Field Office Room Trailer, Cornelia Street, Newark, N.J. | Wipe | ND | |
| 1185 | Field Office Room Trailer, Cornelia Street, Newark, N.J. | Wipe | ND | |
| 1186 | Q/A Reference Material LV | Soil | 3.9 | |
| 1187 | Q/A Reference Material F | Soil | 1.3 1.2 Duplicate | |
| 1188 | Unknown Sample Blank | Soil | NG | |
| 1189N | Known Blank (Matrix Spike) | Soil | 0.86 | |
| 1190 | Unknown Blank | Wipe | ND | |

ND = Not detected

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

SECTION 40 INDEX
TRANSIENT CHARACTER SWEEP SAMPLES

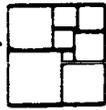
| <u>Page</u> | <u>Description</u> |
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▲ SAMPLE LOCATION

SAMPLE LOCATION MAP
TRANSIENT CHARACTER SWEEP SAMPLING
80 LISTER AVENUE, NEWARK, N.J.
(NOT TO SCALE)

FIGURE 1



NUS
CORPORATION



A Halliburton Company

SECTION 40
TABLE 1

**SAMPLES WITH CONCENTRATIONS 1 PPB OR GREATER
TRANSIENT CHARACTER SWEEP SAMPLES
4/26/84**

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|---|-------------------------|--------------------------|--------|
| | | | Initial | Repeat |
| 1191 | Corner of Joseph Street and Albert Avenue. Time 11:50 a.m. Old sample #64. | Sweep | NG | 1.9 |
| 1192 | Corner of Lockwood Street and Raymond Boulevard. Time 12:05 p.m. Old sample #654. | Sweep | 1.1 | |
| 1193 | North and south sides of the street-Corner of Raymond Boulevard and the Pulaski Skyway Off Ramp. Time 12:14 p.m. Old sample #681. | Composite (Sweep-Sweep) | NG | 2.2 |

NOTES:

- (a) 4 samples were collected
- (b) 1 sample did not pass EPA Monitoring Management Branch QA/QC requirements.
- (c) NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.

SECTION 40
TABLE 2

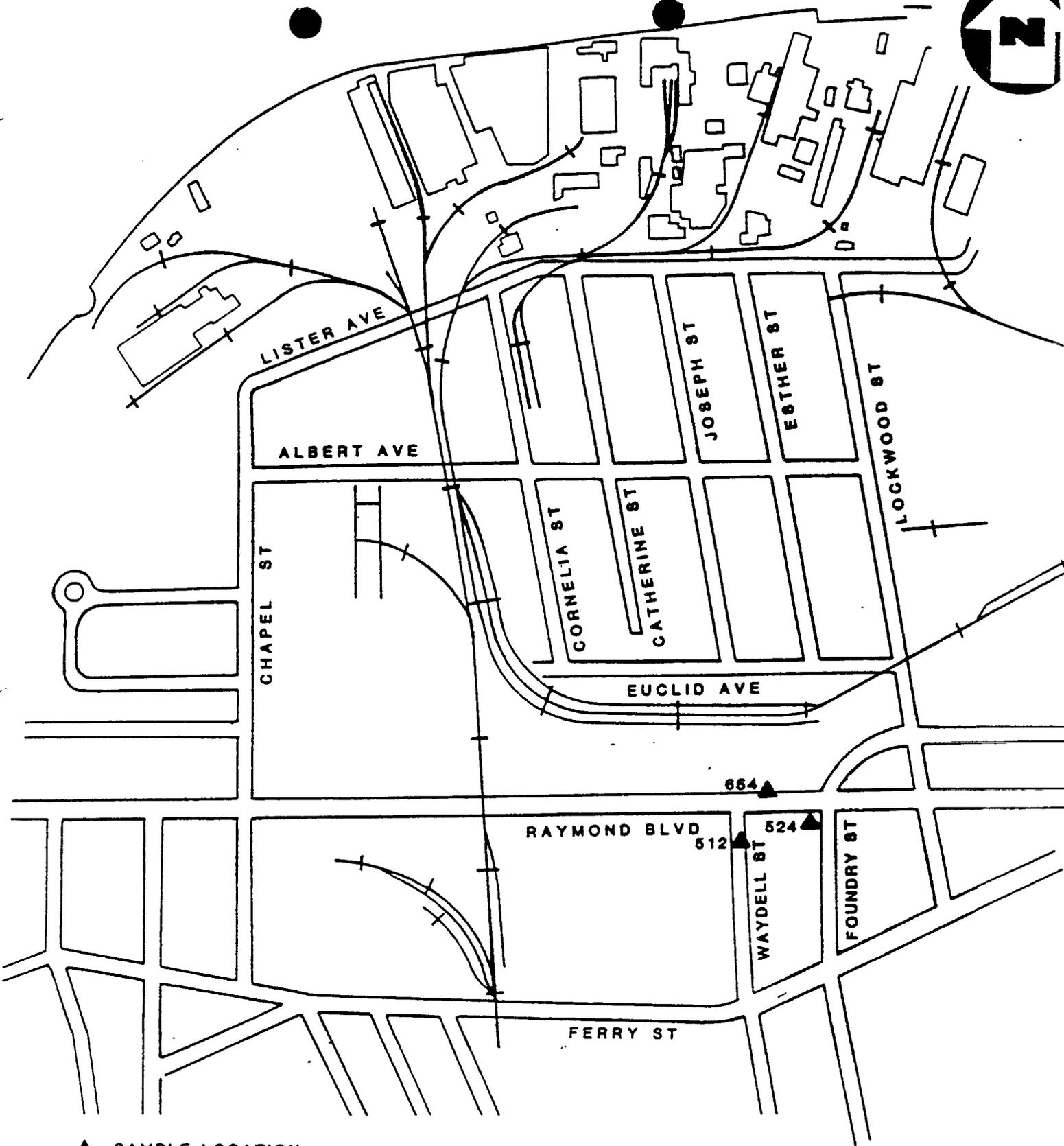
ALL SAMPLES INCLUDING QA/QC
TRANSIENT CHARACTER SWEEP SAMPLES
4/26/84

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|---|-------------------------|--------------------------|--------|
| | | | Initial | Repeat |
| 1191 | Corner of Joseph Street and Albert Avenue. Time 11:50 a.m. Old sample #64. | Sweep | NG | 1.9 |
| 1192 | Corner of Lockwood Street and Raymond Boulevard. Time 12:05 p.m. Old sample #654. | Sweep | 1.1 | |
| 1193 | North and south sides of the street-Corner of Raymond Boulevard and the Pulaski Skyway Off Ramp. Time 12:14 p.m. Old sample #681. | Composite (Sweep-Sweep) | NG | 2.2 |
| 1194 | East and west sides of the street-Lockwood Street between the railroad tracks in front of the Brady Iron and Metal Property. Time 12:21 p.m. Old sample #673. | Composite (Sweep-Sweep) | NG | |
| 1195 | Q.A Reference Material LV | Soil | 3.9 | |
| 1196 | Q.A. Reference Material F | Soil | 1.6 | |
| 1197 | Q.A. Reference Material A | Soil | 8.0 | |
| 1198 | Sample Blank | Soil | ND ND Duplicate | |
| 1199 | Known Blank (Matrix Spike) | Soil | 1.03 | |

NG = Did not pass EPA Monitoring Management Branch QA/QC requirements.
ND = Not detected

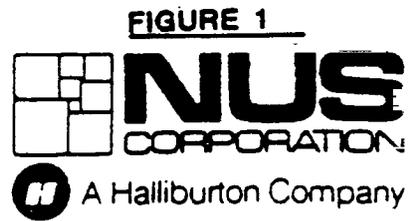
SECTION 41
ARCHIVE SAMPLE RESUBMITTAL

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| 41-1 | Figure 1 |
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| 41-3 | Table 2 |



▲ SAMPLE LOCATION

SAMPLE LOCATION MAP
SAMPLE RESUBMITTAL, 9/24/84
80 LISTER AVENUE, NEWARK, N.J.
(NOT TO SCALE)



SECTION 41
TABLE 1
SAMPLES WITH CONCENTRATIONS 1 PPB GREATER
ARCHIVE SAMPLE RESUBMITTAL
9/24/84

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|------------------|--------------------|----------------|-----------------------------|--------|
| | | | Initial | Repeat |

Samples being analyzed.

(a) 3 samples were collected.

SECTION 41
TABLE 2
ALL SAMPLES INCLUDING QA/QC
ARCHIVE SAMPLE RESUBMITTAL
9/24/84

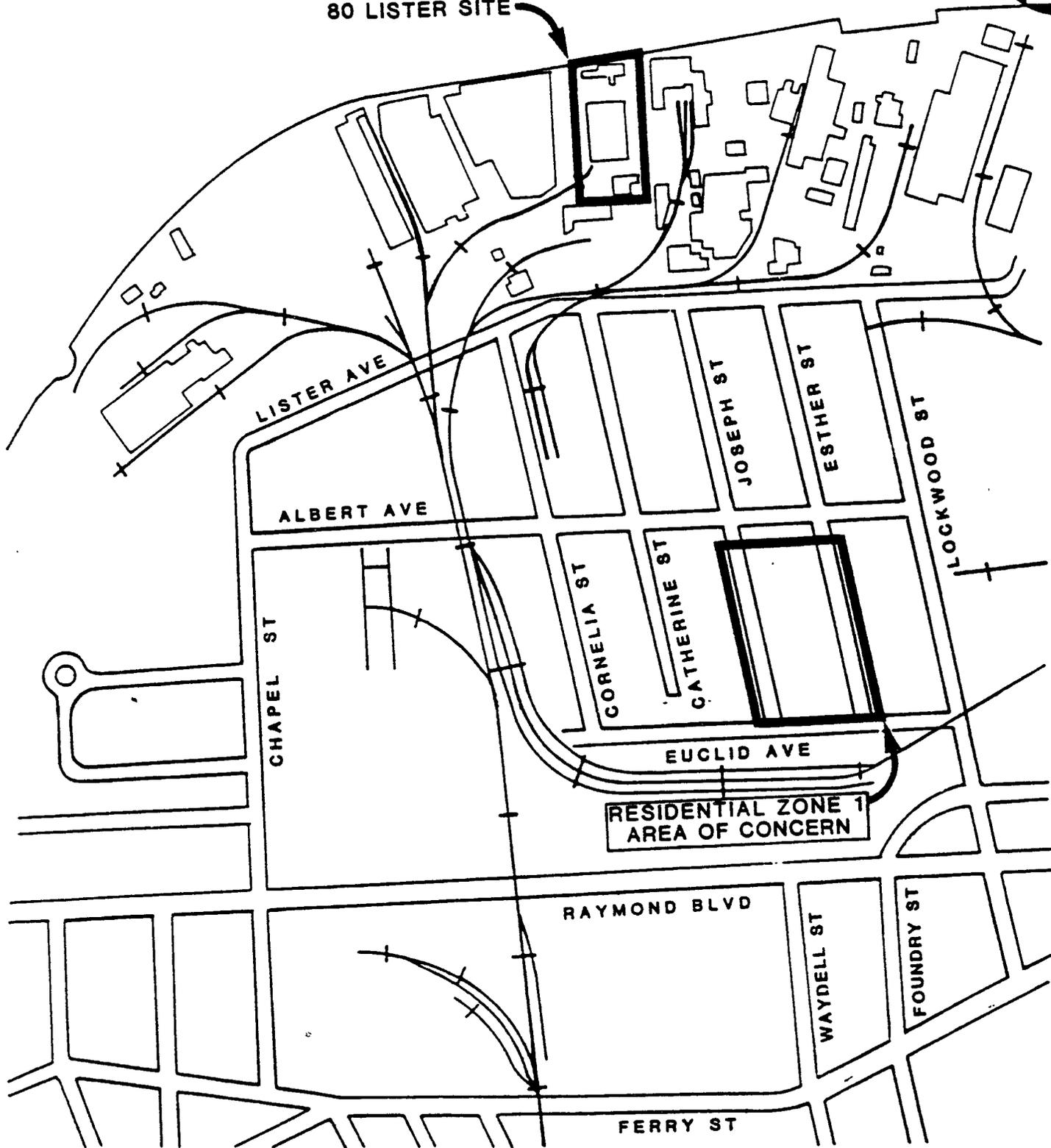
| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|--|-------------|--------------------------|--------|
| | | | Initial | Repeat |
| 1200 | Matrix Spike | Soil | BA | |
| 1201 | Corner of Lockwood St. Raymond Blvd. Old Sample #654 | Sweep | BA | |
| 1202 | Unknown Blank | Soil | BA | |
| 1203 | Las Vegas Performance Evaluation Sample (17) | Soil | BA | |
| 1204 | Lawn between #14 and #18 Waydell St. approximately 2 feet from first fence pole closest to #18. | Soil | BA | |
| 1205 | Reference Material "F" | Soil | BA | |
| 1206 | Las Vegas Performance Evaluation Sample (25) | Soil | BA | |
| 1207 | Corner of Foundry St. and Raymond Blvd. 30 feet west of light pole 85V. Old sample #524. | Soil | BA | |
| 1208 | Las Vegas Performance Evaluation Sample (26). | Soil | BA | |

SECTION 42
RESIDENTIAL ZONE 1 SAMPLING

| <u>Page</u> | <u>Description</u> |
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| 42-7 | Table 2 (cont'd) |
| 42-8 | Table 2 (cont'd) |
| 42-9 | Table 2 (cont'd) |
| 42-10 | Table 2 (cont'd) |
| 42-11 | Table 2 (cont'd) |
| 42-12 | Table 2 (cont'd) |



80 LISTER SITE



SITE VICINITY MAP
RESIDENTIAL ZONE 1, AREA OF CONCERN
80 LISTER AVENUE, NEWARK, N.J.

(NOT TO SCALE)

FIGURE 1



 A Halliburton Company

SECTION 42
TABLE 1
SAMPLES WITH CONCENTRATIONS 1 PPB GREATER
RESIDENTIAL ZONE 1 SAMPLING
4/17-19, 22, 5/10/85

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|------------------|--------------|--------------------------|--------|
| | | | Initial | Repeat |
| 1220 | 32 Joseph Street | Surface Soil | NG | 2.2 |
| 1252 | 33 Esther Street | Surface Soil | NG | 1.9 |
| 1258 | 13 Esther Street | Surface Soil | NG | 1.4 |
| 1268 | 5 Esther Street | Surface Soil | NG | 2.4 |
| 1271 | 5 Esther Street | Surface Soil | NG | 1.3 |
| 1272 | 5 Esther Street | Surface Soil | NG | 1.2 |
| 1278 | 5 Esther Street | Surface Soil | NG | 2.7 |
| 1297 | 21 Esther Street | Surface Soil | NG | 5.3 |

- (a) 160 samples were collected.
- (b) 80 samples were put on hold.
- (c) 21 samples had no detection of TCDD.
- (d) 51 samples were detected below 1.00 ppb TCDD.

SECTION 42
TABLE 2
ALL SAMPLES INCLUDING QA/QC
RESIDENTIAL ZONE 1 SAMPLING
4/17, 4/18, 4/19, 4/22, 5/10/85

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|-----------------------------------|-----------------|--------------------------|--------|
| | | | Initial | Repeat |
| 1209 2209 | 32½ Joseph Street Archived | Surface Soil | NG OH | ND |
| 1210 *2210 | 32½ Joseph Street Archived | Surface Soil | NG OH | 0.56 |
| 1211 2211 | 32½ Joseph Street Archived | Surface Soil | NG OH | ND |
| 1212 2212 | 32½ Joseph Street Archived | Surface Soil | NG OH | 0.17 |
| 1213 | QA blender blank | Soil | NG | ND |
| 1214 2214 | 32½ Joseph Street Archived | Surface Soil | NG OH | ND |
| 1215 | QA PE EMSL-LV J-4-5-KD-5-1-I-9 | Soil | NG | 0.96 |
| 1216 2216 | 32½ Joseph Street Archived | Surface Soil | NG OH | ND |
| 1217 2217 | 32½ Joseph Street Archived | Surface Soil | NG OH | 0.16 |
| 1218 2218 | 32 Joseph Street Archived | Surface Soil | NG OH | 0.13 |
| 1219 | QA native "F" | Soil | NG OH | 1.2 |
| 1220 *2220 | 32 Joseph Street Archived | Surface Soil | NG OH | 2.2 |
| 1221 2221 | 32 Joseph Street Archived | Surface Soil | NG OH | ND |
| 1222 | QA PE EMSL-LV J-4-4-OJ-8-6-M-2 | Soil | NG | 1.0 |

OH - On Hold

NG - No Good

ND - Not Detected

* - See Section 44 for results

SECTION 42
TABLE 2 (cont'd)
ALL SAMPLES INCLUDING QA/QC
RESIDENTIAL ZONE 1 SAMPLING
4/17, 4/18, 4/19, 4/22, 5/10/85

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|-----------------------------------|-------------|--------------------------|-------------|
| | | | Initial | Repeat |
| 1223 | 32 Joseph Street | Surface | NG | 0.11 |
| 2223 | Archived | Soil | OH | |
| 1224 | 32 Joseph Street | Surface | NG | 0.069 |
| 2224 | Archived | Soil | OH | 0.18 (dup.) |
| 1225 | 32 Joseph Street | Surface | NG | 0.089 |
| 2211 | Archived | Soil | OH | |
| 1226 | QA field blank | Soil | NG | ND |
| 1227 | QA - matrix spike | Soil | NG | 1.1 |
| 1228 | 32 Joseph Street | Surface | NG | 0.094 |
| 2228 | Archived | Soil | OH | |
| 1229 | 32 Joseph Street | Surface | NG | ND |
| 2229 | Archived | Soil | OH | |
| 1230 | 32 Joseph Street | Surface | NG | 0.13 |
| 2230 | Archived | Soil | OH | |
| 1231 | QA native "F" | Soil | NG | 1.3 |
| 1232 | 32 Joseph Street | Surface | NG | 0.25 |
| 2232 | Archived | Soil | OH | |
| 1233 | 32 Joseph Street | Surface | NG | 0.16 |
| 2233 | Archived | Soil | OH | |
| 1234 | 32 Joseph Street | Surface | NG | 0.13 |
| 2234 | Archived | Soil | OH | |
| 1235 | 32 Joseph Street | Surface | NG | 0.3 |
| *2235 | Archived | Soil | OH | |
| 1236 | QA PE EMSL-LV Q-4-5-HO-3-5-0-7 | Soil | NG | 0.81 |

OH - On Hold

NG - No Good

ND - Not Detected

* - See Section 44 for results

SECTION 42
TABLE 2 (cont'd)
ALL SAMPLES INCLUDING QA/QC
RESIDENTIAL ZONE 1 SAMPLING
4/17, 4/18, 4/19, 4/22, 5/10/85

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|-------------------------------|-----------------|--------------------------|------------------|
| | | | Initial | Repeat |
| 1237 | QA field blank | Soil | NG | ND |
| 1238 2238 | 26½ Joseph Street Archived | Surface Soil | NG OH | ND |
| 1239 2239 | 26½ Joseph Street Archived | Surface Soil | NG OH | ND |
| 1240 2240 | 26½ Joseph Street Archived | Surface Soil | NG OH | 0.19 |
| 1241 | QA native "F" | Soil | NG | 1.9 |
| 1242 2242 | 26½ Joseph Street Archived | Surface Soil | NG OH | 0.23 |
| 1243 2243 | 26½ Joseph Street Archived | Surface Soil | NG OH | 0.2 |
| 1244 | QA blender blank | Soil | NG | ND |
| 1245 2245 | 33 Esther Street Archived | Surface Soil | NG OH | ND |
| 1246 2246 | 33 Esther Street Archived | Surface Soil | NG OH | ND. ND (dup.) |
| 1247 2247 | 33 Esther Street Archived | Surface Soil | NG OH | 0.23 |
| 1248 | QA matrix spike | Surface Soil | NG | 1.1 |
| 1249 2249 | 33 Esther Street Archived | Surface Soil | NG OH | 0.12 |
| 1250 2250 | 33 Esther Street Archived | Surface Soil | NG OH | 0.11 |

OH - On Hold

NG - No Good

ND - Not Detected

* - See Section 44 for results

SECTION 42
TABLE 2 (cont'd)
ALL SAMPLES INCLUDING QA/QC
RESIDENTIAL ZONE 1 SAMPLING
4/17, 4/18, 4/19, 4/22, 5/10/85

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|-----------------------------------|-----------------|--------------------------|---------------------|
| | | | Initial | Repeat |
| 1251 | QA PE EMSL-LV D-4-5-KK-5-9-I-1 | Soil | NG | 0.99 |
| 1252 *2252 | 33 Esther Street Archived | Surface Soil | NG OH | 1.9 |
| 1253 | QA native "F" | Soil | NG | 1.2 |
| 1254 2254 | 33 Esther Street Archived | Surface Soil | NG OH | 0.26 |
| 1255 2255 | 33 Esther Street Archived | Surface Soil | NG OH | 0.16 |
| 1256 *2256 | 33 Esther Street Archived | Surface Soil | NG OH | 0.32 |
| 1257 2257 | 33 Esther Street Archived | Surface Soil | NG OH | 0.27 |
| 1258 2258 | 33 Esther Street Archived | Surface Soil | NG OH | 1.4 |
| 1259 | QA blender blank | Soil | NG | ND |
| 1260 2260 | 13 Esther Street Archived | Surface Soil | NG OH | 0.25 |
| 1261 | QA PE EMSL-LV V-4-9-11-0-5-Q-6 | Soil | NG | 0.94 |
| 1262 2262 | 11 Esther Street Archived | Surface Soil | NG OH | 0.13 0.24 (dup.) |
| 1263 2263 | 11 Esther Street Archived | Surface Soil | NG OH | 0.18 |
| 1264 *2264 | Field Blank | Soil | NG | ND |

OH - On Hold
NG - No Good
ND - Not Detected
* - See Section 44 for results

SECTION 42
TABLE 2 (cont'd)
ALL SAMPLES INCLUDING QA/QC
RESIDENTIAL ZONE 1 SAMPLING
4/17, 4/18, 4/19, 4/22, 5/10/85

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|--------------------------------|-----------------|--------------------------|--------|
| | | | Initial | Repeat |
| 1265 2265 | 13 Esther Street Archived | Surface Soil | NG OH | 0.18 |
| 1266 2266 | 11 Esther Street Archived | Surface Soil | NG OH | 0.11 |
| 1267 | QA native "F" | Soil | NG | 1.3 |
| 1268 *2268 | 5 Esther Street Archived | Surface Soil | NG OH' | 2.4 |
| 1269 *2269 | 5 Esther Street Archived | Surface Soil | NG OH | 0.67 |
| 1270 | Matrix Spike | Soil | NG | 1.2 |
| 1271 *2271 | 5 Esther Street Archived | Surface Soil | NG OH | 1.3 |
| 1272 *2272 | 5 Esther Street Archived | Surface Soil | NG OH | 1.2 |
| 1273 | PE EMSL-LV U-4-8-SN-9-3-I-0 | Soil | NG | 0.95 |
| 1274 *2274 | 5 Esther Street Archived | Surface Soil | NG OH | 0.42 |
| 1275 *2275 | 5 Esther Street Archived | Surface Soil | NG OH | 0.45 |
| 1276 2276 | 5 Esther Street Archived | Surface Soil | NG OH | 0.27 |
| 1277 | QA native "F" | Soil | NG | 1.3 |
| 1278 *2278 | 5 Esther Street Archived | Surface Soil | NG OH | 2.7 |

OH - On Hold
NG - No Good
ND - Not Detected
* - See Section 44 for results

SECTION 42
TABLE 2 (cont'd)
ALL SAMPLES INCLUDING QA/QC
RESIDENTIAL ZONE 1 SAMPLING
4/17, 4/18, 4/19, 4/22, 5/10/85

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|-----------------------------------|-----------------|--------------------------|--------|
| | | | Initial | Repeat |
| 1279 *2279 | 5 Eshter Street Archived | Surface Soil | NG OH | 0.76 |
| 1280 2280 | 9 Esther Street Archived | Surface Soil | NG OH | 0.20 |
| 1281 | QA native "F" | Soil | NG | 1.5 |
| 1282 *2282 | 9 Esther Street Archived | Surface Soil | NG OH | 0.35 |
| 1283 | QA PE EMSL-LV Z-4-8-PE-4-1-J-7 | Soil | NG | 0.92 |
| 1284 *2284 | 5 Esther Street Archived | Surface Soil | NG OH | 0.77 |
| 1285 *2285 | 13 Esther Street Archived | Surface Soil | NG OH | 0.40 |
| 1286 *2286 | 5 Esther Street A Archived | Surface Soil | NG OH | 0.54 |
| 1287 2287 | 5 Esther Street Archived | Surface Soil | NG OH | 0.28 |
| 1288 2288 | 13 Esther Street Archived | Surface Soil | NG OH | 0.25 |
| 1289 | QA blender blank | Soil | NG | ND |
| 1290 *2290 | 13 Esther Street Archived | Surface Soil | NG OH | 0.44 |
| 1291 *2291 | 19½ Esther Street Archived | Surface Soil | NG OH | 0.41 |
| 1292 2292 | 17 Esther Street Archived | Surface Soil | NG OH | 0.21 |

OH - On Hold

NG - No Good

ND - Not Detected

* - See Section 44 for results

SECTION 42
TABLE 2 (cont'd)
ALL SAMPLES INCLUDING QA/QC
RESIDENTIAL ZONE 1 SAMPLING
4/17, 4/18, 4/19, 4/22, 5/10/85

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|-----------------------------------|-----------------|--------------------------|---------------------|
| | | | Initial | Repeat |
| 1293 | QA field blank | Soil | NG | ND |
| 1294 *2294 | 17 Eshter Street Archived | Surface Soil | NG OH | 0.37 |
| 1295 | Matrix Spike | Soil | NG | 1.0 |
| 1296 2296 | 21 Esther Street Archived | Surface Soil | NG OH | 0.26 |
| 1297 *2297 | 21 Esther Street Archived | Surface Soil | NG OH | 5.3 |
| 1298 2298 | 22 Joseph Street Archived | Surface Soil | NG OH | ND |
| 1299 | QA PE EMSL-LV X-4-8-AC-2-7-C-3 | Surface Soil | NG | 0.90 |
| 1300 2300 | 22 Joseph Street Archived | Surface Soil | NG OH | ND |
| 1301 2301 | 22 Joseph Street Archived | Surface Soil | NG OH | 0.12 0.29 (dup.) |
| 1302 | QA native "F" | Soil | NG | 1.4 |
| 1303 2303 | 26 Joseph Street Archived | Surface Soil | NG OH | 0.089 |
| 1304 2304 | 22 Joseph Street Archived | Surface Soil | NG OH | ND |
| 1305 2305 | 26 Joseph Street Archived | Surface Soil | NG OH | ND |
| 1306 2306 | 22 Joseph Street Archived | Surface Soil | NG OH | 0.14 |

OH - On Hold
NG - No Good
ND - Not Detected
* - See Section 44 for results

SECTION 42
TABLE 2 (cont'd)
ALL SAMPLES INCLUDING QA/QC
RESIDENTIAL ZONE 1 SAMPLING
4/17, 4/18, 4/19, 4/22, 5/10/85

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|-----------------------------------|-----------------|--------------------------|--------|
| | | | Initial | Repeat |
| 1307 2307 | 22 Joseph Street Archived | Surface Soil | NG OH | ND |
| 1308 | QA PE EMSL-LV L-4-8-RM-9-0-D-3 | Soil | NG | 0.97 |
| 1309 2309 | 22 Joseph Street Archived | Surface Soil | NG OH | 0.23 |
| 1310 *2310 | 22 Joseph Street Archived | Surface Soil | NG OH | 0.58 |
| 1311 | QA PE EMSL-LV C-5-0-TW-6-5-0-8 | Soil | NG | 0.82 |
| 1312 2312 | 22 Joseph Street Archived | Surface Soil | NG OH | ND |
| 1313 2313 | 22 Joseph Street Archived | Surface Soil | NG OH | ND |
| 1314 2314 | 26 Joseph Street Archived | Surface Soil | NG OH | ND |
| 1315 | QA blender blank | Surface Soil | NG | ND |
| 1316 *2316 | 22 Joseph Street Archived | Surface Soil | NG OH | 0.83 |
| 1317 | QA matrix spike | Surface Soil | NG | 1.1 |
| 1318 2318 | 22 Joseph Street Archived | Surface Soil | NG OH | ND |

OH - On Hold
NG - No Good
ND - Not Detected
* - See Section 44 for results

SECTION 42
TABLE 2 (cont'd)
ALL SAMPLES INCLUDING QA/QC
RESIDENTIAL ZONE 1 SAMPLING
4/17, 4/18, 4/19, 4/22, 5/10/85

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|------------------|--------------|--------------------------|-----------------|
| | | | Initial | Repeat |
| 1319 | QA native "F" | Soil | NG | 1.3 |
| 1320 | 22 Joseph Street | Surface Soil | NG | ND ND (dup.) |
| 2320 | Archived | | OH | |
| 1321 | QA native "F" | Surface Soil | NG | 1.5 |
| 1322 | QA unknown blank | Surface Soil | NG | ND |
| 1323 | QA unknown blank | Surface Soil | NG | 0.89 |
| 1324 | QA native "F" | Surface Soil | NG | 1.3 |
| 1325 | QA matrix spike | Surface Soil | NG | 0.98 |

OH - On Hold
 NG - No Good
 ND - Not Detected
 * - See Section 44 for results

Section 43
Rev. 10/1/85

SECTION 43
WASTE DRUM SAMPLING AND DELIVERY

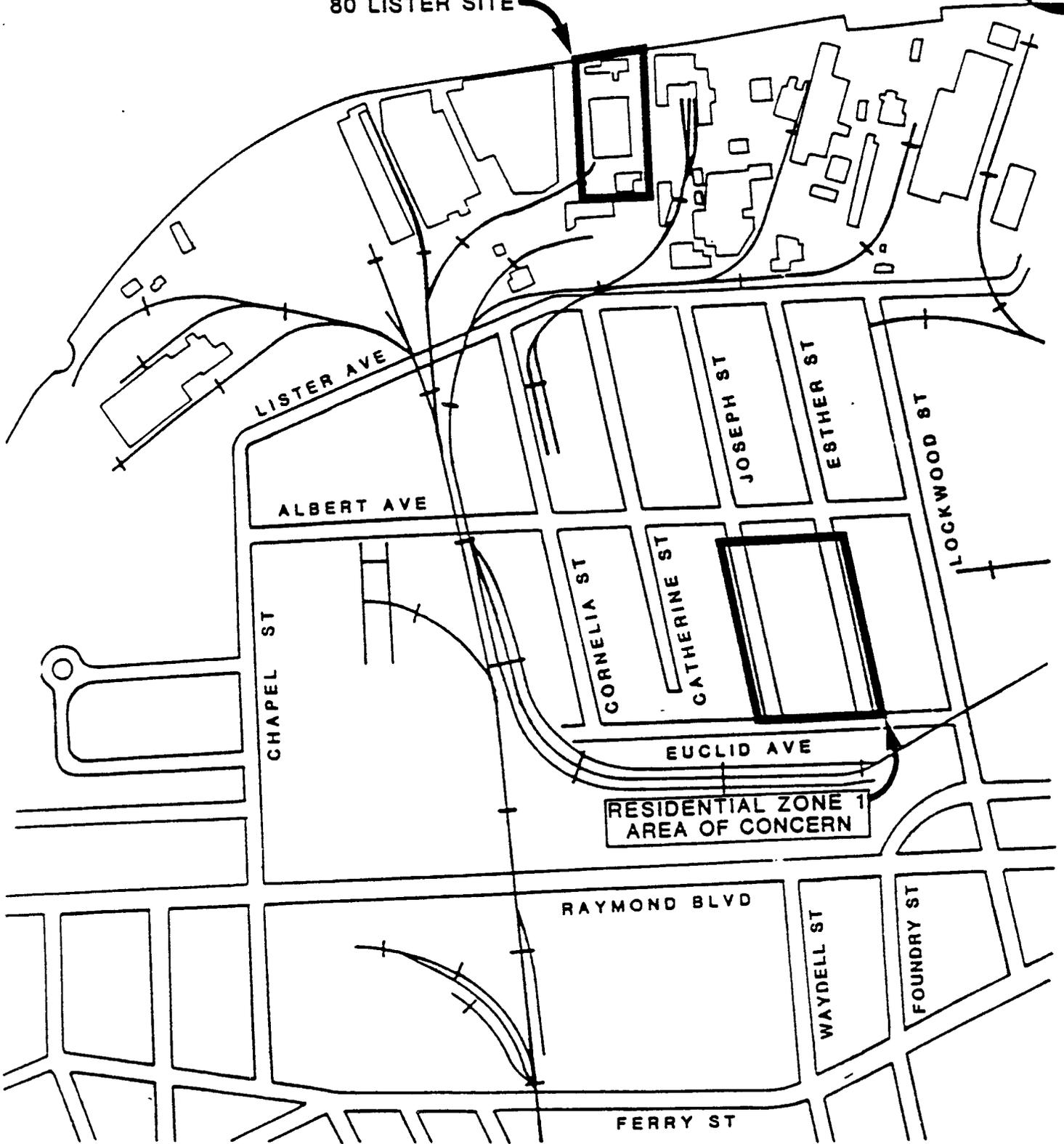
Samples not analyzed for 2,3,7,8-TCDD.

SECTION 44
ZONE 1 SUBSURFACE SAMPLE ANALYSIS

| <u>Page</u> | <u>Description</u> |
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| 44-1 | Figure 1 |
| 44-2 | Figure 2 |
| 44-3 | Table 1 |
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| 44-5 | Table 2 (cont'd) |



80 LISTER SITE



SITE VICINITY MAP
RESIDENTIAL ZONE 1, AREA OF CONCERN
80 LISTER AVENUE, NEWARK, N.J.

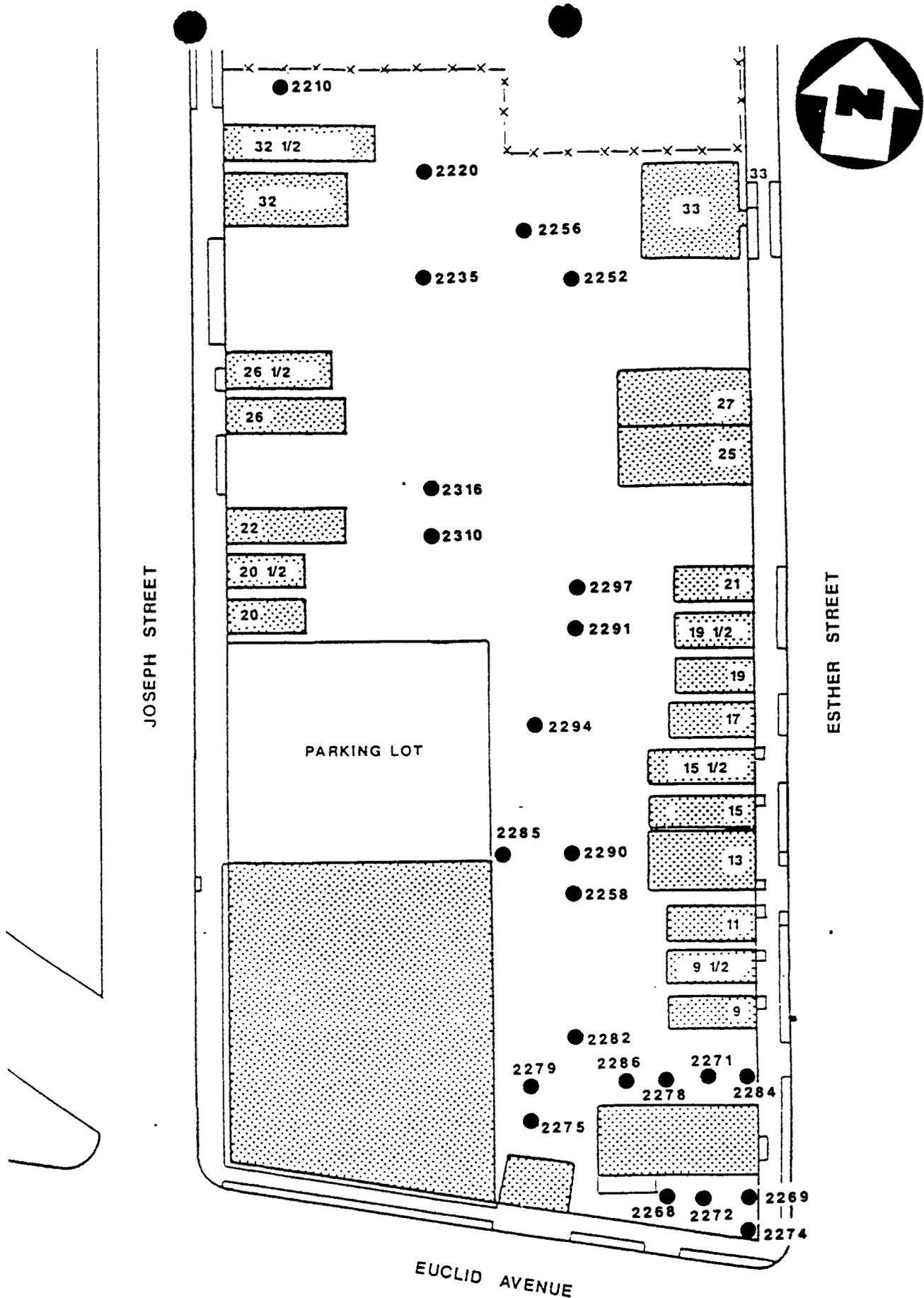
(NOT TO SCALE)

44-1

FIGURE 1



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SUBSURFACE SAMPLE LOCATION MAP
80 LISTER AVE., NEWARK, N.J.

SECTION 44
TABLE 1
SAMPLES WITH CONCENTRAIONS 1 PPB OR GREATER
ZONE 1 SUBSURFACE SAMPLE ANALYSIS
4/17-22/85

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|------------------|--------------------|----------------|-----------------------------|--------|
| | | | Initial | Repeat |

No samples with concentrations 1 ppb or greater.

Notes:

- (a) 23 samples were collected.
- (b) 16 samples had no detection of TCDD.
- (c) 7 samples were detected below 1.00 ppb TCDD.
- (d) (CAL) = analyzed by California Analytical Laboratory.

SECTION 44
TABLE 2
ALL SAMPLES INCLUDING QA/QC
ZONE 1 SUBSURFACE SAMPLE ANALYSIS
4/17-22/85

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|-------------------|--------------|----------------------------|--------|
| | | | Initial | Repeat |
| 2210 | 32½ Joseph Street | Surface Soil | ND (CAL) | |
| 2215 | QA PE-ESML-LV (2) | Soil | 0.90 (CAL) | |
| 2219 | QA native "F" | Soil | 1.3 (CAL) | |
| 2220 | 32 Joseph Street | Surface Soil | ND (CAL) | |
| 2222 | QA PE-ESML-LV (2) | Soil | 0.88 (CAL) | |
| 2226 | QA unknown blank | Soil | ND (CAL) | |
| 2227 | QA matrix spike | Soil | 1.1 (CAL) | |
| 2231 | QA native "F" | Soil | 1.4 (CAL) | |
| 2235 | 32 Joseph Street | Surface Soil | ND (CAL) | |
| 2252 | 33 Esther Street | Surface Soil | ND (CAL) | |
| 2256 | 33 Esther Street | Surface Soil | 0.37 (CAL) | |
| 2258 | 13 Esther Street | Surface Soil | ND (CAL) | |
| 2264 | QA unknown blank | Soil | ND (CAL) | |
| 2267 | QA native "F" | Soil | 1.3 (CAL) | |
| 2268 | 5 Esther Street | Surface Soil | 0.15 (CAL) | |
| 2269 | 5 Esther Street | Surface Soil | ND (CAL) | |
| 2270 | QA matrix spike | Soil | 1.1 (CAL) | |
| 2271 | 5 Esther Street | Surface Soil | ND (CAL) ND (dup.)(CAL) | |
| 2272 | 5 Esther Street | Surface Soil | ND (CAL) | |
| 2273 | QA PE-EMSL-LV (2) | Soil | 0.82 (CAL) | |
| 2274 | 5 Esther Street | Surface Soil | 0.60 (CAL) | |

ND - Not Detected

SECTION 44
TABLE 2 (cont'd)
ALL SAMPLES INCLUDING QA/QC
ZONE 1 SUBSURFACE SAMPLE ANALYSIS
4/17-22/85

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|-------------------|--------------|--------------------------|-------------------------|
| | | | Initial | Repeat |
| 2275 | 5 Esther Street | Surface Soil | ND | (CAL) |
| 2277 | QA native "F" | Soil | 1.4 | (CAL) |
| 2278 | 5 Esther Street | Surface Soil | 0.29 | (CAL) |
| 2279 | 32 Joseph Street | Surface Soil | 0.80 | (CAL) |
| 2282 | 9 Esther Street | Surface Soil | ND | (CAL) |
| 2283 | QA PE-EMSL-LV (2) | Soil | 1.1 | (CAL) |
| 2284 | 5 Esther Street | Surface Soil | ND | (CAL) ND (dup.)(CAL) |
| 2285 | 13 Esther Street | Surface Soil | ND | (CAL) |
| 2286 | 5 Esther Street | Surface Soil | ND | (CAL) |
| 2290 | QA PE-EMSL-LV | Soil | ND | (CAL) |
| 2291 | 19½ Esther Street | Surface Soil | ND | (CAL) |
| 2294 | 17 Esther Street | Surface Soil | ND | (CAL) |
| 2297 | 21 Esther Street | Surface Soil | 0.67 | (CAL) |
| 2310 | 22 Joseph Street | Surface Soil | ND | (CAL) |
| 2316 | 22 Joseph Street | Surface Soil | 0.34 | (CAL) |

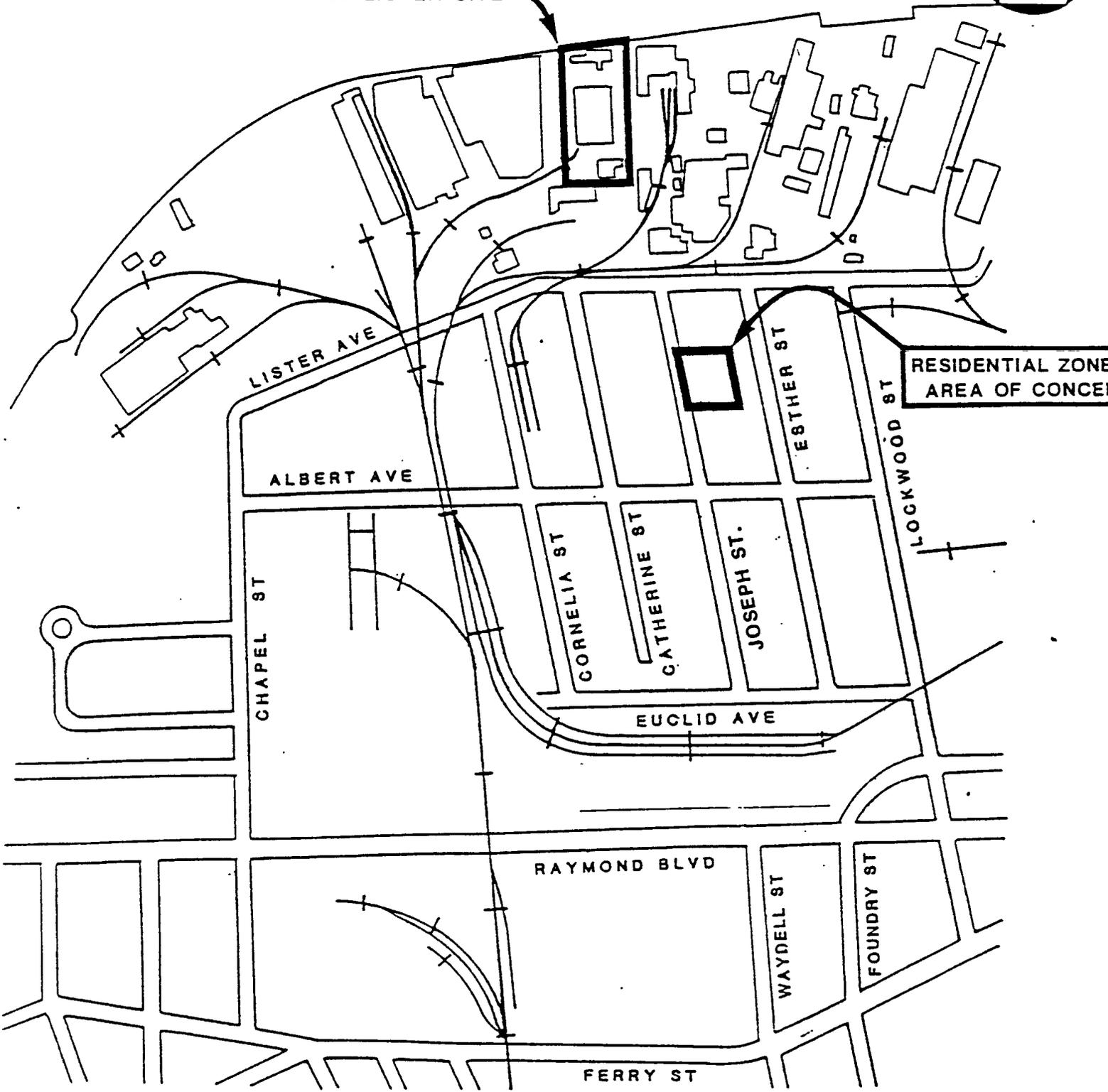
ND - Not Detected

SECTION 45
RESIDENTIAL ZONE 1 NORTH

| <u>Page</u> | <u>Description</u> |
|-------------|--------------------|
| 45-1 | Figure 1 |
| 45-2 | Figure 2 |
| 45-3 | Table 1 |
| 45-4 | Table 2 |
| 45-5 | Table 2 (cont'd) |



80 LISTER SITE



68 JOESPH ST. SITE MAP
RESIDENTIAL ZONE 1, AREA OF CONCERN
80 LISTER AVENUE, NEWARK, N.J.

(NOT TO SCALE)

FIGURE 1

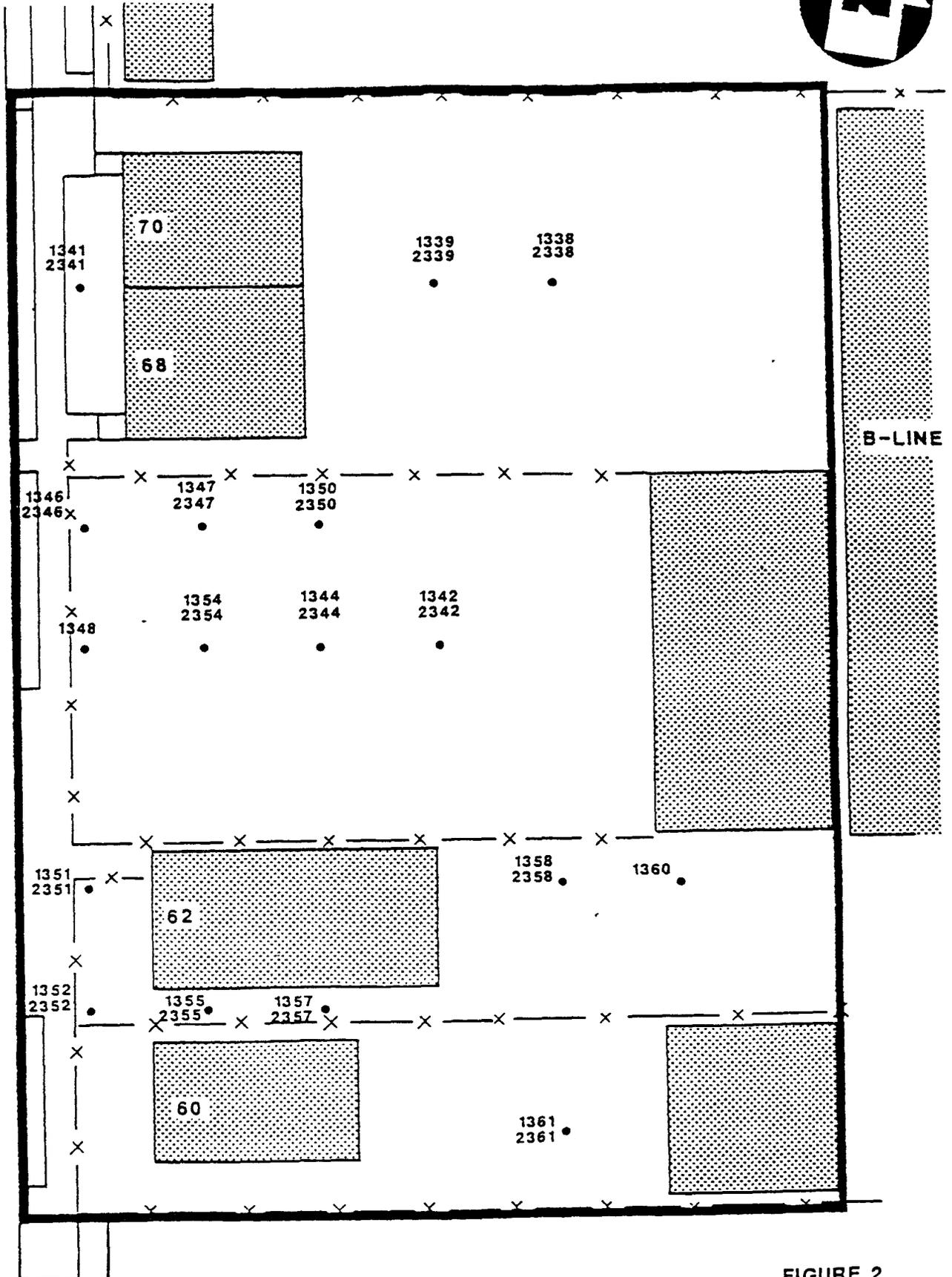


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JOSEPH STREET



SAMPLE LOCATION MAP
68 JOSEPH ST. STUDY AREA
80 LISTER AVE., NEWARK, N.J.

45-2

FIGURE 2



SECTION 45
TABLE 1
SAMPLES WITH CONCENTRAIONS 1 PPB OR GREATER
RESIDENTIAL ZONE 1 NORTH
9/16/85

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|------------------|--------------------|----------------|-----------------------------|--------|
| | | | Initial | Repeat |

Samples being analyzed.

-
- (a) 32 samples were collected.
 - (b) 16 samples were placed on hold.

SECTION 45
TABLE 2
ALL SAMPLES INCLUDING QA/QC
RESIDENTIAL ZONE 1 NORTH
9/16/85

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|-----------------------------------|--------------|--------------------------|--------|
| | | | Initial | Repeat |
| 1338 2338 | 70 Joseph Street Archived | Surface Soil | BA OH | |
| 1339 2339 | 70 Joseph Street Archived | Surface Soil | BA OH | |
| 1340 | QA PE-EMSL-LV U-3-0-JL-3-9-T-9 | Soil | BA | |
| 1341 2341 | 68 Joseph Street Archived | Surface Soil | BA OH | |
| 1342 2342 | 66 Joseph Street Archived | Surface Soil | BA OH | |
| 1343 | QA blender blank | Soil | BA | |
| 1344 2344 | 66 Joseph Street Archived | Surface Soil | BA OH | |
| 1345 | QA matrix spike | Soil | BA | |
| 1346 2346 | 66 Joseph Street Archived | Surface Soil | BA OH | |
| 1347 2347 | 66 Joseph Street Archived | Surface Soil | BA OH | |
| 1348 2348 | 66 Joseph Street Archived | Surface Soil | BA OH | |
| 1349 | QA PE-EMSL-LV B-4-3-JD-7-7-U-3 | Soil | BA | |
| 1350 2350 | 66 Joseph Street Archived | Surface Soil | BA OH | |
| 1351 2351 | 62 Joseph Street Archived | Surface Soil | BA OH | |
| 2352 2352 | 62 Joseph Street Archived | Surface Soil | BA OH | |

BA - Being Analyzed
OH - On Hold

SECTION 45
TABLE 2 (cont'd)
ALL SAMPLES INCLUDING QA/QC
RESIDENTIAL ZONE 1 NORTH
9/16/85

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|------------------------------|--------------|--------------------------|--------|
| | | | Initial | Repeat |
| 1353 | QA native "F" | Soil | BA | |
| 1354 2354 | 66 Joseph Street Archived | Surface Soil | BA OH | |
| 1355 2355 | 62 Joseph Street Archived | Surface Soil | BA OH | |
| 1356 | QA unknown blank | Soil | BA | |
| 1357 2357 | 62 Joseph Street Archived | Surface Soil | BA OH | |
| 1358 2358 | 62 Joseph Street Archived | Surface Soil | BA OH | |
| 1359 | QA native "F" | Soil | BA | |
| 1360 2360 | 62 Joseph Street Archived | Surface Soil | BA OH | |
| 1361 2361 | 60 Joseph Street Archived | Surface Soil | BA OH | |

BA - Being Analyzed
OH - On Hold

SECTION 46
QA SAMPLE REANALYSIS

| <u>Page</u> | <u>Description</u> |
|-------------|--------------------|
| 46-1 | Table 1 |
| 46-2 | Table 2 |
| 46-3 | Table 2 (cont'd) |

SECTION 46
TABLE 1
SAMPLES WITH CONCENTRAIONS 1 PPB OR GREATER
QA SAMPLE REANALYSIS
10/10/85

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|------------------|--------------------|----------------|-----------------------------|--------|
| | | | Initial | Repeat |

Samples being analyzed.

(a) 24 samples shipped

SECTION 46
TABLE 2
SAMPLES WITH CONCENTRAIONS 1 PPB OR GREATER
QA SAMPLE REANALYSIS
10/10/85

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|---------------------------------|-------------|--------------------------|--------|
| | | | Initial | Repeat |
| 1362 | 32 Joseph St., Grid 6S, 12E. | Soil | BA | |
| 1363 | QA Unknown Blank | Soil | BA | |
| 1364 | 33 Esther St., Grid 10S, 18E | Soil | BA | |
| 1365 | QA Matrix Spike. | Soil | BA | |
| 1366 | 13 Esther St., Grid 38S, 20E | Soil | BA | |
| 1367 | QA Unknown Blank | Soil | BA | |
| 1368 | 5 Esther St., Grid 52S, 22E | Soil | BA | |
| 1369 | QA PE EMSL-LV D46 LI 76 W1 | Soil | BA | |
| 1370 | 5 Esther St., Grid 46S, 24E | Soil | BA | |
| 1371 | QA Unknown Blank | Soil | BA | |
| 1372 | 5 Esther St., Grid 52S, 24E | Soil | BA | |
| 1373 | QA PE EMSL-LV (24) F46 YO 38 W3 | Soil | BA | |
| 1374 | 5 Esther St., Grid 46S, 22E | Soil | BA | |
| 1375 | QA Native "F", #41 | Soil | BA | |
| 1376 | 21 Esther St., Grid 24S, 18E | Soil | BA | |
| 1377 | QA Native "F", #11 | Soil | BA | |
| 1378 | 22 Joseph St., Grid 20S, 12E | Soil | BA | |

BA = Being analyzed

SECTION 46
 TABLE 2 (Cont'd)
 SAMPLES WITH CONCENTRAIONS 1 PPB OR GREATER
 QA SAMPLE REANALYSIS
 10/10/85

| SAMPLE NUMBER | SAMPLE LOCATION | SAMPLE TYPE | TCDD CONCENTRATION (ppb) | |
|---------------|---|-------------|--------------------------|--------|
| | | | Initial | Repeat |
| 1379 | QA native "F", #12 | Soil | BA | |
| 1380 | 15½ Esther St., Bias Sample | Soil | BA | |
| 1381 | QA Native "F", #13 | Soil | BA | |
| 1382 | 5 Esther St. Subsurface Grid 46S, 16E | Soil | BA | |
| 1383 | QA Native "F", #14 | Soil | BA | |
| 1384 | 9½ Esther St., Subsurface Bias Sample | Soil | BA | |
| 1385 | QA Native "F", #44 | | | |

BA = Being analyzed