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RICKENBACKER AIR NATIONAL GUARD BASE
COLUMBUS, OHIO

**PRE-CLOSURE SAMPLING REPORT
HAZARDOUS WASTE STORAGE AREA**

VOLUME II

FINAL

MARCH 1992

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Oak Ridge, Tennessee 37831

MANAGED BY MARTIN MARIETTA ENERGY SYSTEMS, INC.

For the U.S. DEPARTMENT OF ENERGY under contract DE-AC05-84OR21400

PRE-CLOSURE SAMPLING REPORT
RICKENBACKER AIR NATIONAL GUARD BASE
Columbus, Ohio

FINAL

Volume II

MARCH 1992

Submitted To:

AIR NATIONAL GUARD READINESS CENTER
ANGRC/CEVR
Andrews AFB, Maryland

Submitted by:

HAZARDOUS WASTE REMEDIAL ACTIONS PROGRAM
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Oak Ridge, Tennessee

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For the:

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Under Contract No. DE-AC05-84OR21400

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ACRONYMS

AAS	Atomic Absorption Spectrophotometer
AFRES	Air Force Reserve
ANG	Air National Guard
ANGB	Air National Guard Base
ARAR	Applicable or Relevant and Appropriate Requirements
ASTM	American Society for Testing Materials
BAT	Best Available Technology
BCT	Best Conventional Technology
BTX	Benzene, Toluene and Xylene
°C	degrees Centigrade
CCC	Calibration Check Compounds
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CLP	Contract Laboratory Program
CRDL	Contract Required Detection Limit
CRQL	Contract Requirement Quantitation Limit
DD	Decision Document
DNR	Department of Natural Resources
DOD	Department of Defense
DOE	Department of Energy
DQO	Data Quality Objectives
EC	Electrical Conductivity
ES	Engineering-Science, Inc.
eV	Electron Volt
°F	degrees Fahrenheit
FS	Feasibility Study
FFS	Focused Feasibility Study
GC	Gas Chromatograph
GC/MS	Gas Chromatography/Mass Spectrometry
HAL	Health Advisory Limit
HSP	Health and Safety Plan
HARM	Hazard Assessment Rating Methodology
HAS	Hazard Assessment Scores
HAZWAP	Hazardous Waste Remedial Action Program
HMTC	Hazardous Materials Technical Center
HWSA	Hazardous Waste Storage Area
ICP	Inductively Coupled Plasma Emission Spectrometer
ID	Inside Diameter
IRP	Installation Restoration Program
LQAC	Laboratory Quality Assurance Coordinator

APPENDIX E
ANALYTICAL RESULTS

ANALYTICAL RESULTS OF SOILS (0'-2') AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW-SU19	RB-HW-SU20	RB-HW-SU21	RB-HW-SU22
Time:	0945	0950	1000	1010
Date Sampled:	01/18/90	01/18/90	01/18/90	01/18/90
Date Received:	01/19/90	01/19/90	01/19/90	01/19/90
% Moisture:	14	19	12	17
Lab ID:	1627.01	1627.02	1627.03	1627.04
Matrix:	A Soil	A Soil	A Soil	A Soil
Parameter	Nominal CRDL ug/kg			
Semi - Volatiles				
N - Nitroso - Dimethylamine	380 U	410 U	380 U	400 U
Phenol	380 U	410 U	380 U	400 U
bis(2 - Chloroethyl) ether	380 U	410 U	380 U	400 U
2 - Chlorophenol	380 U	410 U	380 U	400 U
1,3 - Dichlorobenzene	380 U	410 U	380 U	400 U
1,4 - Dichlorobenzene	380 U	410 U	380 U	400 U
Benzyl Alcohol	380 U	410 U	380 U	400 U
1,2 - Dichlorobenzene	380 U	410 U	380 U	400 U
2 - Methylphenol	380 U	410 U	380 U	400 U
bis(2 - chloroisopropyl) Ether	380 U	410 U	380 U	400 U
4 - Methylphenol	380 U	410 U	380 U	400 U
N - Nitroso - Di - n - Propylamine	380 U	410 U	380 U	400 U
Hexachloroethane	380 U	410 U	380 U	400 U
Nitrobenzene	380 U	410 U	380 U	400 U
Isophorone	380 U	410 U	380 U	400 U
2 - Nitrophenol	380 U	410 U	380 U	400 U
2,4 - Dimethylphenol	380 U	410 U	380 U	400 U
bis(2 - Chloroethoxy) methane	380 U	410 U	380 U	400 U
2,4 - Dichlorophenol	380 U	410 U	380 U	400 U
Benzoic Acid	1900 U	2000 U	1800 U	1900 U

ANALYTICAL RESULTS OF SOILS (0'-2') AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW-SU19	RB-HW-SU20	RB-HW-SU21	RB-HW-SU22
Time:	0945	0950	1000	1010
Date Sampled:	01/18/90	01/18/90	01/18/90	01/18/90
Date Received:	01/19/90	01/19/90	01/19/90	01/19/90
% Moisture:	14	19	12	17
Lab ID:	1627.01	1627.02	1627.03	1627.04
Matrix:	A Soil	A Soil	A Soil	A Soil
Parameter				
Semi-Volatiles				
1,2,4-Trichlorobenzene	330	410 U	380 U	400 U
Naphthalene	330	410 U	380 U	400 U
4-Chloroaniline	330	410 U	380 U	400 U
Hexachlorobutadiene	330	410 U	380 U	400 U
4-Chloro-3-Methylphenol	330	410 U	380 U	400 U
2-Methylnaphthalene	330	410 U	380 U	400 U
Hexachlorocyclopentadiene	330	410 U	380 U	400 U
2,4,6-Trichlorophenol	330	410 U	380 U	400 U
2,4,5-Trichlorophenol	1600	2000 U	1800 U	1900 U
2-Chloronaphthalene	330	410 U	380 U	400 U
2-Nitroaniline	1600	2000 U	1800 U	1900 U
Dimethylphthalate	330	410 U	380 U	400 U
Acenaphthylene	330	410 U	380 U	400 U
2,6-Dinitrotoluene	330	410 U	380 U	400 U
3-Nitroaniline	1600	2000 U	1800 U	1900 U
Acenaphthene	330	410 U	380 U	400 U
2,4-Dinitrophenol	1600	2000 U	1800 U	1900 U
Dibenzofuran	330	410 U	380 U	400 U
4-Nitrophenol	1600	2000 U	1800 U	1900 U
2,4-Dinitrotoluene	330	410 U	380 U	400 U

ANALYTICAL RESULTS OF SOILS (0'-2') AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW-SU19	RB-HW-SU20	RB-HW-SU21	RB-HW-SU22
Time:	0945	0950	1000	1010
Date Sampled:	01/18/90	01/18/90	01/18/90	01/18/90
Date Received:	01/19/90	01/19/90	01/19/90	01/19/90
% Moisture:	14	19	12	17
Lab ID:	1627.01	1627.02	1627.03	1627.04
Matrix:	A Soil	A Soil	A Soil	A Soil
Parameter	Nominal CRDL			
Semi-Volatiles	ug/kg			
Fluorene	380 U	410 U	380 U	400 U
Diethylphthalate	380 U	410 U	380 U	400 U
4-Chlorophenyl-phenylether	380 U	410 U	380 U	400 U
4-Nitroaniline	1900 U	2000 U	1800 U	1900 U
4,6-Dinitro-2-Methylphenol	1900 U	2000 U	1800 U	1900 U
N-Nitrosodiphenylamine	380 U	410 U	380 U	400 U
4-Bromophenyl-phenylether	380 U	410 U	380 U	400 U
Hexachlorobenzene	380 U	410 U	380 U	400 U
Pentachlorophenol	1900 U	2000 U	1800 U	1900 U
Phenanthrene	770	410 U	380 U	290 J
Anthracene	130 J	410 U	380 U	400 U
Di-n-Butylphthalate	380 U	410 U	380 U	400 U
Fluoranthene	1500	410 U	380 U	600
Pyrene	1500	410 U	380 U	570
Butylbenzylphthalate	380 U	410 U	380 U	400 U
Benzo(a)Anthracene	740	410 U	380 U	280 J
3,3'-Dichlorobenzidine	770 U	810 U	750 U	800 U
Chrysene	770	410 U	380 U	320 J
bis(2-Ethylhexyl)Phthalate	380 U	410 U	380 UJ	400 UJ
Di-n-octylphthalate	380 U	410 U	380 U	400 U

ANALYTICAL RESULTS OF SOILS (0'-2') AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW-SU19	RB-HW-SU20	RB-HW-SU21	RB-HW-SU22
Time:	0945	0950	1000	1010
Date Sampled:	01/18/90	01/18/90	01/18/90	01/18/90
Date Received:	01/19/90	01/19/90	01/19/90	01/19/90
% Moisture:	14	19	12	17
Lab ID:	1627.01	1627.02	1627.03	1627.04
Matrix:	A Soil	A Soil	A Soil	A Soil
Parameter Semi-Volatiles	Nominal CRDL ug/kg			
Benzo(b)Fluoranthene	330	410 U	380 U	350 J
Benzo(k)Fluoranthene	330	410 U	380 U	400 U
Benzo(a)Pyrene	330	410 U	380 U	250 J
Indeno(1,2,3-cd)Pyrene	330	410 U	380 U	180 J
Dibenz(a,h)Anthracene	330	410 U	380 U	400 U
Benzo(g,h,i)Perylene	330	410 U	380 U	160 J

Footnotes:

J-- the value reported is an estimated concentration.
 U-- the compound was analyzed for, but not detected.

ANALYTICAL RESULTS OF SOILS (0'-2") AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW-SU23	RB-HW-SU24	RB-HW-SU25-SS2	RB-HW-SU26
Time:	1020	1025	1440	0850
Date Sampled:	01/18/90	01/18/90	01/24/90	01/18/90
Date Received:	01/19/90	01/19/90	01/25/90	01/19/90
% Moisture:	18	16	15	20
Lab ID:	1627.05	1627.06	1627.07	1627.08
Matrix:	A Soil	A Soil	A Soil	A Soil
Parameter				
Semi-Volatiles				
N-Nitroso-Dimethylamine	330	390 U	390 U	410 U
Phenol	330	400 U	390 U	410 U
bis(2-Chloroethyl)ether	330	400 U	390 U	410 U
2-Chlorophenol	330	400 U	390 U	410 U
1,3-Dichlorobenzene	330	400 U	390 U	410 U
1,4-Dichlorobenzene	330	400 U	390 U	410 U
Benzyl Alcohol	330	400 U	390 U	410 U
1,2-Dichlorobenzene	330	400 U	390 U	410 U
2-Methylphenol	330	400 U	390 U	410 U
bis(2-chloroisopropyl)Ether	330	400 U	390 U	410 U
4-Methylphenol	330	400 U	390 U	410 U
N-Nitroso-Di-n-Propylamine	330	400 U	390 U	410 U
Hexachloroethane	330	400 U	390 U	410 U
Nitrobenzene	330	400 U	390 U	410 U
Isophorone	330	400 U	390 U	410 U
2-Nitrophenol	330	400 U	390 U	410 U
2,4-Dimethylphenol	330	400 U	390 U	410 U
bis(2-Chloroethoxy)methane	330	400 U	390 U	410 U
2,4-Dichlorophenol	330	400 U	390 U	410 U
Benzoic Acid	1600	2000 U	1900 U	2000 U

ANALYTICAL RESULTS OF SOILS (0' - 2') AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:

RB-HW-SU23	RB-HW-SU24	RB-HW-SU25-SS2	RB-HW-SU26

Time:

0850

Date Sampled:

01/18/90

Date Received:

01/19/90

% Moisture:

20

Lab ID:

1627.08

Matrix:

Soil

Parameter
Semi - Volatiles

Nominal
CRDL
ug/kg

1,2,4-Trichlorobenzene

390 U

410 U

Naphthalene

390 U

410 U

4-Chloroaniline

390 U

410 U

Hexachlorobutadiene

390 U

410 U

4-Chloro-3-Methylphenol

390 U

410 U

2-Methylnaphthalene

390 U

410 U

Hexachlorocyclopentadiene

390 U

410 U

2,4,6-Trichlorophenol

390 U

410 U

2,4,5-Trichlorophenol

1900 U

2000 U

2-Chloronaphthalene

390 U

410 U

2-Nitroaniline

1900 U

2000 U

Dimethylphthalate

390 U

410 U

Acenaphthylene

390 U

410 U

2,6-Dinitrotoluene

390 U

410 U

3-Nitroaniline

1900 U

2000 U

Acenaphthene

390 U

410 U

2,4-Dinitrophenol

1900 U

2000 U

Dibenzofuran

390 U

410 U

4-Nitrophenol

1900 U

2000 U

2,4-Dinitrotoluene

390 U

410 U

ANALYTICAL RESULTS OF SOILS (0'-2') AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW-SU23	RB-HW-SU24	RB-HW-SU25--SS2	RB-HW-SU26
Time:	1020	1025	1440	0850
Date Sampled:	01/18/90	01/18/90	01/24/90	01/18/90
Date Received:	01/19/90	01/19/90	01/25/90	01/19/90
% Moisture:	18	16	15	20
Lab ID:	1627.05	1627.06	1627.07	1627.08
Matrix:	A Soil	A Soil	A Soil	A Soil
Parameter Semi - Volatiles	Nominal CRDL ug/kg			
Fluorene	330	400 U	390 U	410 U
Diethylphthalate	330	400 U	390 U	410 U
4-Chlorophenyl-phenylether	330	400 U	390 U	410 U
4-Nitroaniline	1600	2000 U	1900 U	2000 U
4,6-Dinitro-2-Methylphenol	1600	2000 U	1900 U	2000 U
N-Nitrosodiphenylamine	330	400 U	390 U	410 U
4-Bromophenyl-phenylether	330	400 U	390 U	410 U
Hexachlorobenzene	330	400 U	390 U	410 U
Pentachlorophenol	1600	2000 U	1900 U	2000 U
Phenanthrene	330	280 J	390 U	550
Anthracene	330	400 U	390 U	410 U
Di-n-Butylphthalate	330	400 U	390 U	410 U
Fluoranthene	330	590	150 J	1100
Pyrene	330	570	150 J	1100
Butylbenzylphthalate	330	400 U	390 U	410 U
Benzo(a)Anthracene	330	260 J	390 U	520
3,3'-Dichlorobenzidine	660	800 U	790 U	830 U
Chrysene	330	290 J	390 U	560
bis(2-Ethylhexyl)Phthalate	330	400 UJ	390 U	410 U
Di-n-octylphthalate	330	400 U	390 U	410 U

ANALYTICAL RESULTS OF SOILS (0'-2') AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID:	RB-HW-SU23	RB-HW-SU24	RB-HW-SU25-SS2	RB-HW-SU26
Time:	1020	1025	1440	0850
Date Sampled:	01/18/90	01/18/90	01/24/90	01/18/90
Date Received:	01/19/90	01/19/90	01/25/90	01/19/90
% Moisture:	18	16	15	20
Lab ID:	1627.05	1627.06	1627.07	1627.08
Matrix:	A Soil	A Soil	A Soil	A Soil
Parameter				
Semi - Volatiles				
Benzo(b)Fluoranthene	520	390 U	390 U	1000
Benzo(k)Fluoranthene	400 U	390 U	390 U	410 U
Benzo(a)Pyrene	260 J	390 U	390 U	510
Indeno(1,2,3-cd)Pyrene	400 U	390 U	390 U	330 J
Dibenz(a,h)Anthracene	400 U	390 U	390 U	410 U
Benzo(g,h,i)Perylene	400 U	390 U	390 U	330 J
Nominal CRDL ug/kg	330	330	330	330

Footnotes:

J--the value reported is an estimated concentration.
 U--the compound was analyzed for, but not detected.

ANALYTICAL RESULTS OF SOILS (0'-2') AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW-SU27	RB-HW-SU28	RB-HW-SU29	RB-HW-SU30
Time:	0900	0900	1100	1100
Date Sampled:	01/18/90	01/18/90	01/18/90	01/18/90
Date Received:	01/19/90	01/19/90	01/19/90	01/19/90
% Moisture:	16	22	14	16
Lab ID:	1627.09	1627.10	1627.11	1627.12
Matrix:	A Soil	A Soil	A Soil	A Soil
Parameter				
Semi - Volatiles				
N - Nitroso - Dimethylamine	330	420 U	380 U	390 U
Phenol	330	420 U	380 U	390 U
bis(2 - Chloroethyl)ether	330	420 U	380 U	390 U
2 - Chlorophenol	330	420 U	380 U	390 U
1,3 - Dichlorobenzene	330	420 U	380 U	390 U
1,4 - Dichlorobenzene	330	420 U	380 U	390 U
Benzyl Alcohol	330	420 U	380 U	390 U
1,2 - Dichlorobenzene	330	420 U	380 U	390 U
2 - Methylphenol	330	420 U	380 U	390 U
bis(2 - chloroisopropyl)Ether	330	420 U	380 U	390 U
4 - Methylphenol	330	420 U	380 U	390 U
N - Nitroso - Di - n - Propylamine	330	420 U	380 U	390 U
Hexachloroethane	330	420 U	380 U	390 U
Nitrobenzene	330	420 U	380 U	390 U
Isophorone	330	420 U	380 U	390 U
2 - Nitrophenol	330	420 U	380 U	390 U
2,4 - Dimethylphenol	330	420 U	380 U	390 U
bis(2 - Chloroethoxy)methane	330	420 U	380 U	390 U
2,4 - Dichlorophenol	330	420 U	380 U	390 U
Benzoic Acid	1600	2100 U	1900 U	1900 U

ANALYTICAL RESULTS OF SOILS (0'-2') AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:

RB-HW-SU27

RB-HW-SU28

RB-HW-SU29

RB-HW-SU30

Time:

Date Sampled:

Date Received:

% Moisture:

0900

01/18/90

01/19/90

16

0900

01/18/90

01/19/90

22

1100

01/18/90

01/19/90

14

1100

01/18/90

01/19/90

16

Lab ID:

1627.09

1627.10

1627.11

1627.12

Matrix:

A

A

A

A

Nominal
CRDL
ug/kg

Parameter

Semi - Volatiles

1,2,4-Trichlorobenzene

Naphthalene

4-Chloroaniline

Hexachlorobutadiene

4-Chloro-3-Methylphenol

2-Methylnaphthalene

Hexachlorocyclopentadiene

2,4,6-Trichlorophenol

2,4,5-Trichlorophenol

2-Chloronaphthalene

2-Nitroaniline

Dimethylphthalate

Acenaphthylene

2,6-Dinitrotoluene

3-Nitroaniline

Acenaphthene

2,4-Dinitrophenol

Dibenzofuran

4-Nitrophenol

2,4-Dinitrotoluene

330

330

330

330

330

330

330

330

330

1600

330

1600

330

330

330

1600

330

1600

330

330

390 U

390 U

390 U

390 U

390 U

390 U

390 U

390 U

390 U

1900 U

390 U

1900 U

390 U

390 U

390 U

1900 U

390 U

1900 U

390 U

390 U

420 U

420 U

420 U

420 U

420 U

420 U

420 U

420 U

420 U

2100 U

420 U

2100 U

420 U

420 U

420 U

2100 U

420 U

2100 U

420 U

420 U

380 U

380 U

380 U

380 U

380 U

380 U

380 U

380 U

380 U

1900 U

380 U

1900 U

380 U

380 U

380 U

1900 U

380 U

1900 U

380 U

380 U

390 U

390 U

390 U

390 U

390 U

390 U

390 U

390 U

390 U

1900 U

390 U

1900 U

390 U

390 U

390 U

1900 U

390 U

1900 U

390 U

390 U

ANALYTICAL RESULTS OF SOILS (0'-2') AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID:	RB-HW-SU27	RB-HW-SU28	RB-HW-SU29	RB-HW-SU30
Time:	0900	0900	1100	1100
Date Sampled:	01/18/90	01/18/90	01/18/90	01/18/90
Date Received:	01/19/90	01/19/90	01/19/90	01/19/90
% Moisture:	16	22	14	16
Lab ID:	1627.09	1627.10	1627.11	1627.12
Matrix:	A Soil	A Soil	A Soil	A Soil
Parameter Semi-Volatiles	Nominal CRDL ug/kg			
Fluorene	390 U	420 U	380 U	390 U
Diethylphthalate	390 U	420 U	380 U	390 U
4-Chlorophenyl-phenylether	390 U	420 U	380 U	390 U
4-Nitroaniline	1900 U	2100 U	1900 U	1900 U
4,6-Dinitro-2-Methylphenol	1900 U	2100 U	1900 U	1900 U
N-Nitrosodiphenylamine	390 U	420 U	380 U	390 U
4-Bromophenyl-phenylether	390 U	420 U	380 U	390 U
Hexachlorobenzene	390 U	420 U	380 U	390 U
Pentachlorophenol	1900 U	2100 U	1900 U	1900 U
Phenanthrene	390 U	420 U	380 U	390 U
Anthracene	390 U	420 U	380 U	390 U
Di-n-Butylphthalate	390 U	420 U	380 U	390 U
Fluoranthene	390 U	420 U	220 J	170 J
Pyrene	390 U	420 U	260 J	210 J
Butylbenzylphthalate	390 U	420 U	380 U	390 U
Benzo(a)Anthracene	390 U	420 U	140 J	130 J
3,3'-Dichlorobenzidine	790 U	850 U	770 U	790 U
Chrysene	390 U	420 U	160 J	140 J
bis(2-Ethylhexyl)Phthalate	390 U	420 U	380 U	390 U
Di-n-octylphthalate	390 U	420 U	380 U	390 U

ANALYTICAL RESULTS OF SOILS (0'-2') AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID:	RB-HW-SU27	RB-HW-SU28	RB-HW-SU29	RB-HW-SU30
Time:	0900	0900	1100	1100
Date Sampled:	01/18/90	01/18/90	01/18/90	01/18/90
Date Received:	01/19/90	01/19/90	01/19/90	01/19/90
% Moisture:	16	22	14	16
Lab ID:	1627.09	1627.10	1627.11	1627.12
Matrix:	A Soil	A Soil	A Soil	A Soil
Parameter Semi-Volatiles	Nominal CRDL ug/kg			
Benzo(b)Fluoranthene	330	420 U	160 J	220 J
Benzo(k)Fluoranthene	330	420 U	130 J	190 J
Benzo(a)Pyrene	330	420 U	140 J	230 J
Indeno(1,2,3-cd)Pyrene	330	420 U	380 U	200 J
Dibenz(a,h)Anthracene	330	420 U	380 U	390 U
Benzo(g,h,i)Perylene	330	420 U	380 U	220 J

Footnotes:

J--the value reported is an estimated concentration.
 U--the compound was analyzed for, but not detected.

ANALYTICAL RESULTS OF SOILS (0'-2') AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW-SU31	RB-HW-SU32	RB-HW-SU33-SS2	RB-HW-SU34
Time:	1145	0910	1450	0920
Date Sampled:	01/18/90	01/18/90	01/24/90	01/18/90
Date Received:	01/19/90	01/19/90	01/25/90	01/19/90
% Moisture:	22	18	22	13
Lab ID:	1627.13	1627.14	1627.15	1627.16
Matrix:	A Soil	A Soil	A Soil	A Soil
Parameter	Nominal CRDL ug/kg			
Semi-Volatiles				
N-Nitroso-Dimethylamine	420 U	400 U	420 U	380 U
Phenol	420 U	400 U	420 U	380 U
bis(2-Chloroethyl)ether	420 U	400 U	420 U	380 U
2-Chlorophenol	420 U	400 U	420 U	380 U
1,3-Dichlorobenzene	420 U	400 U	420 U	380 U
1,4-Dichlorobenzene	420 U	400 U	420 U	380 U
Benzyl Alcohol	420 U	400 U	420 U	380 U
1,2-Dichlorobenzene	420 U	400 U	420 U	380 U
2-Methylphenol	420 U	400 U	420 U	380 U
bis(2-chloroisopropyl)Ether	420 U	400 U	420 U	380 U
4-Methylphenol	420 U	400 U	420 U	380 U
N-Nitroso-Di-n-Propylamine	420 U	400 U	420 U	380 U
Hexachloroethane	420 U	400 U	420 U	380 U
Nitrobenzene	420 U	400 U	420 U	380 U
Isophorone	420 U	400 U	420 U	380 U
2-Nitrophenol	420 U	400 U	420 U	380 U
2,4-Dimethylphenol	420 U	400 U	420 U	380 U
bis(2-Chloroethoxy)methane	420 U	400 U	420 U	380 U
2,4-Dichlorophenol	420 U	400 U	420 U	380 U
Benzoic Acid	2100 U	2000 U	2100 U	1800 U
	1600			

ANALYTICAL RESULTS OF SOILS (0'-2') AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID:	RB-HW-SU31	RB-HW-SU32	RB-HW-SU33-SS2	RB-HW-SU34
Time:	1145	0910	1450	0920
Date Sampled:	01/18/90	01/18/90	01/24/90	01/18/90
Date Received:	01/19/90	01/19/90	01/25/90	01/19/90
% Moisture:	22	18	22	13
Lab ID:	1627.13	1627.14	1627.15	1627.16
Matrix:	A Soil	A Soil	A Soil	A Soil
Parameter Semi-Volatiles	Nominal CRDL ug/kg			
1,2,4-Trichlorobenzene	330	420 U	420 U	380 U
Naphthalene	330	420 U	420 U	380 U
4-Chloroaniline	330	420 U	420 U	380 U
Hexachlorobutadiene	330	420 U	420 U	380 U
4-Chloro-3-Methylphenol	330	420 U	420 U	380 U
2-Methylnaphthalene	330	420 U	420 U	380 U
Hexachlorocyclopentadiene	330	420 U	420 U	380 U
2,4,6-Trichlorophenol	330	420 U	420 U	380 U
2,4,5-Trichlorophenol	1600	2100 U	2100 U	1800 U
2-Chloronaphthalene	330	420 U	420 U	380 U
2-Nitroaniline	1600	2100 U	2100 U	1800 U
Dimethylphthalate	330	420 U	420 U	380 U
Acenaphthylene	330	420 U	420 U	380 U
2,6-Dinitrotoluene	330	420 U	420 U	380 U
3-Nitroaniline	1600	2100 U	2100 U	1800 U
Acenaphthene	330	420 U	420 U	380 U
2,4-Dinitrophenol	1600	2100 U	2100 U	1800 U
Dibenzofuran	330	420 U	420 U	380 U
4-Nitrophenol	1600	2100 U	2100 U	1800 U
2,4-Dinitrotoluene	330	420 U	420 U	380 U

ANALYTICAL RESULTS OF SOILS (0'-2') AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW-SU31	RB-HW-SU32	RB-HW-SU33-SS2	RB-HW-SU34
Time:	1145	0910	1450	0920
Date Sampled:	01/18/90	01/18/90	01/24/90	01/18/90
Date Received:	01/19/90	01/19/90	01/25/90	01/19/90
% Moisture:	22	18	22	13
Lab ID:	1627.13	1627.14	1627.15	1627.16
Matrix:	A Soil	A Soil	A Soil	A Soil
Parameter	Nominal			
Semi-Volatiles	CRDL			
	ug/kg			
Fluorene	330	420 U	420 U	380 U
Diethylphthalate	330	420 U	420 U	380 U
4-Chlorophenyl-phenylether	330	420 U	420 U	380 U
4-Nitroaniline	1600	2100 U	2100 U	1800 U
4,6-Dinitro-2-Methylphenol	1600	2100 U	2100 U	1800 U
N-Nitrosodiphenylamine	330	420 U	420 U	380 U
4-Bromophenyl-phenylether	330	420 U	420 U	380 U
Hexachlorobenzene	330	420 U	420 U	380 U
Pentachlorophenol	1600	2100 U	2100 U	1800 U
Phenanthrene	330	420 U	920	380 U
Anthracene	330	420 U	180 J	380 U
Di-n-Butylphthalate	330	420 U	420 U	380 U
Fluoranthene	330	420 U	1900	380 U
Pyrene	330	420 U	2300	380 U
Butylbenzylphthalate	330	420 U	420 U	380 U
Benzo(a)Anthracene	330	420 U	1400	380 U
3,3'-Dichlorobenzidine	660	850 U	850 U	760 U
Chrysene	330	420 U	1400	380 U
bis(2-Ethylhexyl)Phthalate	330	420 U	420 U	380 U
Di-n-octylphthalate	330	420 U	420 U	380 U

ANALYTICAL RESULTS OF SOILS (0'-2') AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID:	RB-HW-SU31	RB-HW-SU32	RB-HW-SU33-SS2	RB-HW-SU34
Time:	1145	0910	1450	0920
Date Sampled:	01/18/90	01/18/90	01/24/90	01/18/90
Date Received:	01/19/90	01/19/90	01/25/90	01/19/90
% Moisture:	22	18	22	13
Lab ID:	1627.13	1627.14	1627.15	1627.16
Matrix:	A Soil	A Soil	A Soil	A Soil
Parameter Semi-Volatiles	Nominal CRDL ug/kg			
Berzo(b)Fluoranthene	330	420 U	1400	380 U
Berzo(k)Fluoranthene	330	420 U	1200	380 U
Berzo(a)Pyrene	330	420 U	1300	380 U
Indeno(1,2,3-cd)Pyrene	330	420 U	600	380 U
Diberz(a,h)Anthracene	330	420 U	240 J	380 U
Berzo(g,h,i)Perylene	330	420 U	580	380 U

Footnotes:

J--the value reported is an estimated concentration.
 U--the compound was analyzed for, but not detected.

ANALYTICAL RESULTS OF SOIL (0'-2') AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID:

RB-HW-SU35

RB-HW-SU36

RB-HW-SU37

RB-HW-SU38

Time:

Date Sampled:

Date Received:

% Moisture:

1110

01/18/90

01/19/90

19

1115

01/18/90

01/19/90

12

1135

01/18/90

01/19/90

20

1145

01/18/90

01/19/90

20

Lab ID:

1627.17

1627.18

1627.19

1627.20

Matrix:

A

A

A

A

Parameter
Semi-Volatiles

Nominal
CRDL
ug/kg

N-Nitroso-Dimethylamine

Phenol

bis(2-Chloroethyl)ether

2-Chlorophenol

1,3-Dichlorobenzene

1,4-Dichlorobenzene

Benzyl Alcohol

1,2-Dichlorobenzene

2-Methylphenol
bis(2-chloroisopropyl)Ether

4-Methylphenol

N-Nitroso-Di-n-Propylamine

Hexachloroethane

Nitrobenzene

Isophorone

2-Nitrophenol

2,4-Dimethylphenol

bis(2-Chloroethoxy)methane

2,4-Dichlorophenol

Benzoic Acid

380 U

380 U

380 U

380 U

380 U

380 U

380 U

380 U

380 U

380 U

380 U

380 U

380 U

380 U

380 U

380 U

380 U

380 U

380 U

1800 U

410 U

410 U

410 U

410 U

410 U

410 U

410 U

410 U

410 U

410 U

410 U

410 U

410 U

410 U

410 U

410 U

410 U

410 U

410 U

2000 U

410 U

410 U

410 U

410 U

410 U

410 U

410 U

410 U

410 U

410 U

410 U

410 U

410 U

410 U

410 U

410 U

410 U

410 U

410 U

2000 U

410 U

410 U

410 U

410 U

410 U

410 U

410 U

410 U

410 U

410 U

410 U

410 U

410 U

410 U

410 U

410 U

410 U

410 U

410 U

2000 U

ANALYTICAL RESULTS OF SOILS (0'-2') AT THE HWSA RICKENBACKER ANGB--OHIO

Sample ID:

RB-HW-SU35

RB-HW-SU36

RB-HW-SU37

RB-HW-SU38

Time:

1110

1115

1135

1145

Date Sampled:

01/18/90

01/18/90

01/18/90

01/18/90

Date Received:

01/19/90

01/19/90

01/19/90

01/19/90

% Moisture:

19

12

20

20

Lab ID:

1627.17

1627.18

1627.19

1627.20

Matrix:

A

A

A

A

Nominal
CRDL
ug/kg

Parameter
Semi-Volatiles

1,2,4-Trichlorobenzene

330

410 U

380 U

410 U

410 U

Naphthalene

330

410 U

380 U

410 U

410 U

4-Chloroaniline

330

410 U

380 U

410 U

410 U

Hexachlorobutadiene

330

410 U

380 U

410 U

410 U

4-Chloro-3-Methylphenol

330

410 U

380 U

410 U

410 U

2-Methylnaphthalene

330

410 U

380 U

410 U

410 U

Hexachlorocyclopentadiene

330

410 U

380 U

410 U

410 U

2,4,6-Trichlorophenol

330

410 U

380 U

410 U

410 U

2,4,5-Trichlorophenol

1600

2000 U

1800 U

2000 U

2000 U

2-Chloronaphthalene

330

410 U

380 U

410 U

410 U

2-Nitroaniline

1600

2000 U

1800 U

2000 U

2000 U

Dimethylphthalate

330

410 U

380 U

410 U

410 U

Acenaphthylene

330

410 U

380 U

410 U

410 U

2,6-Dinitrotoluene

330

410 U

380 U

410 U

410 U

3-Nitroaniline

1600

2000 U

1800 U

2000 U

2000 U

Acenaphthene

330

410 U

380 U

410 U

170 J

2,4-Dinitrophenol

1600

2000 U

1800 U

2000 U

2000 U

Dibenzofuran

330

410 U

380 U

410 U

410 U

4-Nitrophenol

1600

2000 U

1800 U

2000 U

2000 U

2,4-Dinitrotoluene

330

410 U

380 U

410 U

410 U

ANALYTICAL RESULTS OF SOILS (0'-2') AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:

RB-HW-SU35

RB-HW-SU36

RB-HW-SU37

RB-HW-SU38

Time:

Date Sampled:

Date Received:

% Moisture:

1110

01/18/90

01/19/90

19

1115

01/18/90

01/19/90

12

1135

01/18/90

01/19/90

20

1145

01/18/90

01/19/90

20

Lab ID:

1627.17

1627.18

1627.19

1627.20

Matrix:

A

A

A

A

Parameter
Semi - Volatiles

Nominal
CRDL
ug/kg

Fluorene

330

410 U

380 U

410 U

150 J

Diethylphthalate

330

410 U

380 U

410 U

410 U

4-Chlorophenyl-phenylether

330

410 U

380 U

410 U

410 U

4-Nitroaniline

1600

2000 U

1800 U

2000 U

2000 U

4,6-Dinitro-2-Methylphenol

1600

2000 U

1800 U

2000 U

2000 U

N-Nitrosodiphenylamine

330

410 U

380 U

410 U

410 U

4-Bromophenyl-phenylether

330

410 U

380 U

410 U

410 U

Hexachlorobenzene

330

410 U

380 U

410 U

410 U

Pentachlorophenol

1600

2000 U

1800 U

2000 U

2000 U

Phenanthrene

330

23C J

380 U

410 U

2000

Anthracene

330

410 U

380 U

410 U

300 J

Di-n-Butylphthalate

330

410 U

380 U

410 U

410 U

Fluoranthene

330

420

380 U

410 U

2300

Pyrene

330

340 J

380 U

410 U

2100

Butylbenzylphthalate

330

410 U

380 U

410 U

410 U

Benzo(a)Anthracene

330

180 J

380 U

410 U

810

3,3'-Dichlorobenzidine

660

810 U

750 U

830 U

830 U

Chrysene

330

210 J

380 U

410 U

860

bis(2-Ethylhexyl)Phthalate

330

410 U

380 U

410 U

410 U

Di-n-octylphthalate

330

410 U

380 U

410 U

410 U

ANALYTICAL RESULTS OF SOILS (0'-2') AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID: RB-HW-SU35 RB-HW-SU36 RB-HW-SU37 RB-HW-SU38

Time: 1110 1115 1135 1145
 Date Sampled: 01/18/90 01/18/90 01/18/90 01/18/90
 Date Received: 01/19/90 01/19/90 01/19/90 01/19/90
 % Moisture: 19 12 20 20

Lab ID: 1627.17 1627.18 1627.19 1627.20
 Matrix: A A A A
 Soil Soil Soil Soil

Parameter
 Semi-Volatiles
 Nominal
 CRDL
 ug/kg

Benzo(b)Fluoranthene	250 J	380 U	410 U	790
Benzo(k)Fluoranthene	410 U	380 U	410 U	590
Benzo(a)Pyrene	200 J	380 U	410 U	840
Indeno(1,2,3-cd)Pyrene	410 U	380 U	410 U	560
Dibenz(a,h)Anthracene	410 U	380 U	410 U	410 U
Benzo(g,h,i)Perylene	410 U	380 U	410 U	490

Footnotes:

J--the value reported is an estimated concentration.

U--the compound was analyzed for, but not detected.

ANALYTICAL RESULTS OF SOILS (0'-2') AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW-SU39	RB-HW-SU40	RB-HW-SU41	RB-HW-SU42
Time:	0920	0935	0935	0945
Date Sampled:	01/18/90	01/18/90	01/18/90	01/18/90
Date Received:	01/19/90	01/19/90	01/19/90	01/19/90
% Moisture:	21	24	22	25
Lab ID:	1627.21	1627.22	1627.23	1627.24
Matrix:	A Soil	A Soil	A Soil	A Soil
Parameter Semi-Volatiles	Nominal CRDL ug/kg			
N-Nitroso-Dimethylamine	330			440 U
Phenol	330	430 U	420 U	440 U
bis(2-Chloroethyl)ether	330	430 U	420 U	440 U
2-Chlorophenol	330	430 U	420 U	440 U
1,3-Dichlorobenzene	330	430 U	420 U	440 U
1,4-Dichlorobenzene	330	430 U	420 U	440 U
Benzyl Alcohol	330	430 U	420 U	440 U
1,2-Dichlorobenzene	330	430 U	420 U	440 U
2-Methylphenol	330	430 U	420 U	440 U
bis(2-chloroisopropyl)Ether	330	430 U	420 U	440 U
4-Methylphenol	330	430 U	420 U	440 U
N-Nitroso-Di-n-Propylamine	330	430 U	420 U	440 U
Hexachloroethane	330	430 U	420 U	440 U
Nitrobenzene	330	430 U	420 U	440 U
Isophorone	330	430 U	420 U	440 U
2-Nitrophenol	330	430 U	420 U	440 U
2,4-Dimethylphenol	330	430 U	420 U	440 U
bis(2-Chloroethoxy)methane	330	430 U	420 U	440 U
2,4-Dichlorophenol	330	430 U	420 U	440 U
Benzic Acid	1600	2100 U	2100 U	2100 U

ANALYTICAL RESULTS OF SOILS (0'-2') AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID: RB-HW-SU39 RB-HW-SU40 RB-HW-SU41 RB-HW-SU42

Time: 0920 0935 0945
 Date Sampled: 01/18/90 01/18/90 01/18/90
 Date Received: 01/19/90 01/19/90 01/19/90
 % Moisture: 21 24 25

Lab ID: 1627.21 1627.22 1627.23 1627.24

Matrix: A A A Soil

Parameter
 Semi-Volatiles
 Nominal
 CRDL
 ug/kg

1,2,4-Trichlorobenzene	420 U	430 U	420 U	440 U
Naphthalene	420 U	430 U	420 U	440 U
4-Chloroaniline	420 U	430 U	420 U	440 U
Hexachlorobutadiene	420 U	430 U	420 U	440 U
4-Chloro-3-Methylphenol	420 U	430 U	420 U	440 U
2-Methylnaphthalene	420 U	430 U	420 U	440 U
Hexachlorocyclopentadiene	420 U	430 U	420 U	440 U
2,4,6-Trichlorophenol	420 U	430 U	420 U	440 U
2,4,5-Trichlorophenol	2000 U	2100 U	2100 U	2100 U
2-Chloronaphthalene	420 U	430 U	420 U	440 U
2-Nitroaniline	2000 U	2100 U	2100 U	2100 U
Dimethylphthalate	420 U	430 U	420 U	440 U
Acenaphthylene	420 U	430 U	420 U	440 U
2,6-Dinitrotoluene	420 U	430 U	420 U	440 U
3-Nitroaniline	2000 U	2100 U	2100 U	2100 U
Acenaphthene	420 U	430 U	420 U	440 U
2,4-Dinitrophenol	2000 U	2100 U	2100 U	2100 U
Dibenzofuran	420 U	430 U	420 U	440 U
4-Nitrophenol	2000 U	2100 U	2100 U	2100 U
2,4-Dinitrotoluene	420 U	430 U	420 U	440 U

ANALYTICAL RESULTS OF SOILS (0'-2') AT THE HWSA RICKENBACKER ANGB--OHIO

Sample ID:	RB-HW-SU39	RB-HW-SU40	RB-HW-SU41	RB-HW-SU42
Time:	0920	0935	0935	0945
Date Sampled:	01/18/90	01/18/90	01/18/90	01/18/90
Date Received:	01/19/90	01/19/90	01/19/90	01/19/90
% Moisture:	21	24	22	25
Lab ID:	1627.21	1627.22	1627.23	1627.24
Matrix:	A Soil	A Soil	A Soil	A Soil
Parameter	Nominal			
Semi-Volatiles	CRDL			
	ug/kg			
Fluorene	330	420 U	420 U	440 U
Diethylphthalate	330	420 U	420 U	440 U
4-Chlorophenyl-phenylether	330	420 U	420 U	440 U
4-Nitroaniline	1600	2000 U	2100 U	2100 U
4,6-Dinitro-2-Methylphenol	1600	2000 U	2100 U	2100 U
N-Nitrosodiphenylamine	330	420 U	420 U	440 U
4-Bromophenyl-phenylether	330	420 U	420 U	440 U
Hexachlorobenzene	330	420 U	420 U	440 U
Pentachlorophenol	1600	2000 U	2100 U	2100 U
Phenanthrene	330	420 U	420 U	440 U
Anthracene	330	420 U	420 U	440 U
Di-n-Butylphthalate	330	420 U	420 U	440 U
Fluoranthene	330	420 U	330 J	160 J
Pyrene	330	150 J	300 J	190 J
Butylbenzylphthalate	330	420 U	420 U	440 U
Benzo(a)Anthracene	330	420 U	420 U	440 U
3,3'-Dichlorobenzidine	660	840 U	850 U	880 U
Chrysene	330	420 U	200 J	440 U
bis(2-Ethylhexyl)Phthalate	330	420 U	420 U	440 U
Di-n-octylphthalate	330	420 U	420 U	440 U

ANALYTICAL RESULTS OF SOILS (0'-2') AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID:

RB-HW-SU39 RB-HW-SU40 RB-HW-SU41 RB-HW-SU42

Time:

0945

Date Sampled:

0935

01/18/90

Date Received:

01/18/90

01/19/90

% Moisture:

22

25

Lab ID:

1627.23

1627.24

Matrix:

A

A

Parameter
Semi-Volatiles

Nominal
CRDL
ug/kg

Soil

Soil

Soil

Benzo(b)Fluoranthene
Benzo(k)Fluoranthene
Benzo(a)Pyrene
Indeno(1,2,3-cd)Pyrene
Dibenz(a,h)Anthracene
Benzo(g,h,i)Perylene

330
330
330
330
330
330

420 U
420 U
420 U
420 U
420 U
420 U

300 J
170 J
150 J
430 U
430 U
430 U

240 J
420 U
170 J
420 U
420 U
420 U

Footnotes:

J--the value reported is
an estimated concentration.

U--the compound was analyzed
for, but not detected.

ANALYTICAL RESULTS OF SOILS (0'-2') AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:

RB-HW-SU43

RB-HW-SU44

RB-HW-SU45

RB-HW-SU46

Time:

1025

Date Sampled:

01/18/90

Date Received:

01/19/90

% Moisture:

11

Time illeg

01/18/90

Time illeg

01/18/90

Time illeg

01/18/90

17

13

9

Lab ID:

1627.25

1627.26

1627.27

1627.28

Matrix:

Soil

Soil

Soil

Soil

Nominal

Parameter

CRDL

Semi-Volatiles

ug/kg

F-25

N-Nitroso-Dimethylamine

330

400 U

380 U

2900 U

2200 U

Phenol

330

400 U

380 U

2900 U

2200 U

bis(2-Chloroethyl)ether

330

400 U

380 U

2900 U

2200 U

2-Chlorophenol

330

400 U

380 U

2900 U

2200 U

1,3-Dichlorobenzene

330

400 U

380 U

2900 U

2200 U

1,4-Dichlorobenzene

330

400 U

380 U

2900 U

2200 U

Benzyl Alcohol

330

400 U

380 U

2900 U

2200 U

1,2-Dichlorobenzene

330

400 U

380 U

2900 U

2200 U

2-Methylphenol

330

400 U

380 U

2900 U

2200 U

bis(2-chloroisopropyl)Ether

330

400 U

380 U

2900 U

2200 U

4-Methylphenol

330

400 U

380 U

2900 U

2200 U

N-Nitroso-Di-n-Propylamine

330

400 U

380 U

2900 U

2200 U

Hexachloroethane

330

400 U

380 U

2900 U

2200 U

Nitrobenzene

330

400 U

380 U

2900 U

2200 U

Isophorone

330

400 U

380 U

2900 U

2200 U

2-Nitrophenol

330

400 U

380 U

2900 U

2200 U

2,4-Dimethylphenol

330

400 U

380 U

2900 U

2200 U

bis(2-Chloroethoxy)methane

330

400 U

380 U

2900 U

2200 U

2,4-Dichlorophenol

330

400 U

380 U

2900 U

2200 U

Benzole Acid

1600

1900 U

1800 U

14000 U

11000 U

ANALYTICAL RESULTS OF SOILS (0'-2') AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:

RB-HW-SU43

RB-HW-SU44

RB-HW-SU45

RB-HW-SU46

Time:

Date Sampled:

Date Received:

% Moisture:

Time illeg

01/18/90

01/19/90

17

Time illeg

01/18/90

01/19/90

13

Time illeg

01/18/90

01/19/90

9

1025

01/18/90

01/19/90

11

Lab ID:

1627.25

1627.26

1627.27

1627.28

Matrix:

A
SoilA
SoilA
SoilA
Soil

Parameter

Semi - Volatiles

Nominal

CRDL

ug/kg

1,2,4 - Trichlorobenzene

330

400 U

380 U

2900 U

2200 U

Naphthalene

330

400 U

380 U

2900 U

2200 U

4 - Chloroaniline

330

400 U

380 U

2900 U

2200 U

Hexachlorobutadiene

330

400 U

380 U

2900 U

2200 U

4 - Chloro - 3 - Methylphenol

330

400 U

380 U

2900 U

2200 U

2 - Methyl-naphthalene

330

400 U

380 U

2900 U

2200 U

Hexachlorocyclopentadiene

330

400 U

380 U

2900 U

2200 U

2,4,6 - Trichlorophenol

330

400 U

380 U

2900 U

2200 U

2,4,5 - Trichlorophenol

1600

1900 U

1800 U

14000 U

11000 U

2 - Chloronaphthalene

330

400 U

380 U

2900 U

2200 U

2 - Nitroaniline

1600

1900 U

1800 U

14000 U

11000 U

Dimethylphthalate

330

400 U

380 U

2900 U

2200 U

Acenaphthylene

330

400 U

380 U

2900 U

2200 U

2,6 - Dinitrotoluene

330

400 U

380 U

2900 U

2200 U

3 - Nitroaniline

1600

1900 U

24 J

14000 U

11000 U

Acenaphthene

330

400 U

2 J

2900 U

2200 U

2,4 - Dinitrophenol

1600

1900 U

1800 U

14000 U

11000 U

Dibenzofuran

330

400 U

380 U

2900 U

2200 U

4 - Nitrophenol

1600

1900 U

1800 U

14000 U

11000 U

2,4 - Dinitrotoluene

330

400 U

380 U

2900 U

2200 U

ANALYTICAL RESULTS OF SOILS (0'-2') AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID:

RB-HW-SU43

RB-HW-SU44

RB-HW-SU45

RB-HW-SU46

Time:

Date Sampled:

Date Received:

% Moisture:

Time illeg

01/18/90

01/19/90

17

Time illeg

01/18/90

01/19/90

13

Time illeg

01/18/90

01/19/90

9

1025

01/18/90

01/19/90

11

Lab ID:

1627.25

1627.26

1627.27

1627.28

Matrix:

A
SoilA
SoilA
SoilA
Soil

Parameter

Semi-Volatiles

Nominal
CRDL
ug/kg

Fluorene

400 U

380 U

2900 U

2200 U

Diethylphthalate

400 U

380 UJ

2900 U

2200 U

4-Chlorophenyl-phenylether

400 U

380 U

2900 U

2200 U

4-Nitroaniline

1900 U

30 J

14000 U

11000 U

4,6-Dinitro-2-Methylphenol

1900 U

1800 U

14000 U

11000 U

N-Nitrosodiphenylamine

400 U

380 U

2900 U

2200 U

4-Bromophenyl-phenylether

400 U

380 U

2900 U

2200 U

Hexachlorobenzene

400 U

380 U

2900 U

2200 U

Pentachlorophenol

1900 U

1800 U

14000 U

11000 U

Phenanthrene

400 U

18 J

11000

5100

Anthracene

400 U

17 J

2200 J

970 J

Di-n-Butylphthalate

400 U

380 UJ

2900 U

2200 U

Fluoranthene

400 U

16 J

23000

7500

Pyrene

400 U

39 J

25000

11000

Butylbenzylphthalate

400 U

380 UJ

2900 U

2200 U

Benzo(a)Anthracene

400 U

35 J

15000

5800

3,3'-Dichlorobenzidine

800 U

760 U

5700 U

4500 U

Chrysene

400 U

36 J

17000

6700

bis(2-Ethylhexyl)Phthalate

400 U

380 UJ

2900 U

2200 U

Di-n-octylphthalate

400 U

380 U

2900 U

2200 U

ANALYTICAL RESULTS OF SOILS (0'-2') AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID: RB-HW-SU43 RB-HW-SU44 RB-HW-SU45 RB-HW-SU46

Time: 1025
 Date Sampled: 01/18/90
 Date Received: 01/19/90
 % Moisture: 11

Lab ID: 1627.25
 Matrix: A Soil

Parameter
 Semi-Volatiles
 Nominal
 CRDL
 ug/kg

Benzo(b)Fluoranthene	400 U	48 J	20000	8400
Benzo(k)Fluoranthene	400 U	380 U	14000	6000
Benzo(a)Pyrene	400 U	50 J	15000	6600
Indeno(1,2,3-cd)Pyrene	400 U	20 J	10000	4800
Dibenz(a,h)Anthracene	400 U	380 U	3500	1900 J
Benzo(g,h,i)Perylene	400 U	56 J	8600	4700

Footnotes:

J--the value reported is an estimated concentration.
 U--the compound was analyzed for, but not detected.

ANALYTICAL RESULTS OF SOILS (0'-2') AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW-SU47	RB-HW-SU48	RB-HW-SU49-SS3	RB-HW-D1
Time:	1210	1210	1030	0900
Date Sampled:	01/18/90	01/18/90	01/31/90	01/18/90
Date Received:	01/19/90	01/19/90	02/01/90	01/19/90
% Moisture:	15	20	16	20
Lab ID:	1627.29	1627.30	1627.37	1627.31
Matrix:	A Soil	A Soil	A Soil	A Soil
Parameter	Nominal			
Semi-Volatiles	CRDL ug/kg			
N-Nitroso-Dimethylamine	330	410 U	390 U	410 U
Phenol	330	410 U	390 U	410 U
bis(2-Chloroethyl)ether	330	410 U	390 U	410 U
2-Chlorophenol	330	410 U	390 U	410 U
1,3-Dichlorobenzene	330	410 U	390 U	410 U
1,4-Dichlorobenzene	330	410 U	390 U	410 U
Benzyl Alcohol	330	410 U	390 U	410 U
1,2-Dichlorobenzene	330	410 U	390 U	410 U
2-Methylphenol	330	410 U	390 U	410 U
bis(2-chloroisopropyl)Ether	330	410 U	390 U	410 U
4-Methylphenol	330	410 U	390 U	410 U
N-Nitroso-Di-n-Propylamine	330	410 U	390 U	410 U
Hexachloroethane	330	410 U	390 U	410 U
Nitrobenzene	330	410 U	390 U	410 U
Isophorone	330	410 U	390 U	410 U
2-Nitrophenol	330	410 U	390 U	410 U
2,4-Dimethylphenol	330	410 U	390 U	410 U
bis(2-Chloroethoxy)methane	330	410 U	390 U	410 U
2,4-Dichlorophenol	330	410 U	390 U	410 U
Benzic Acid	1600	2000 U	1900 U	2000 U

ANALYTICAL RESULTS OF SOILS (0'-2') AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW-SU47	RB-HW-SU48	RB-HW-SU49-SS3	RB-HW-D1
Time:	1210	1210	1030	0900
Date Sampled:	01/18/90	01/18/90	01/31/90	01/18/90
Date Received:	01/19/90	01/19/90	02/01/90	01/19/90
% Moisture:	15	20	16	20
Lab ID:	1627.29	1627.30	1627.37	1627.31
Matrix:	A Soil	A Soil	A Soil	A Soil
Parameter				
Semi-Volatiles				
1,2,4-Trichlorobenzene	330	410 U	390 U	410 U
Naphthalene	330	410 U	390 U	410 U
4-Chloroaniline	330	410 U	390 U	410 U
Hexachlorobutadiene	330	410 U	390 U	410 U
4-Chloro-3-Methylphenol	330	410 U	390 U	410 U
2-Methylnaphthalene	330	410 U	390 U	410 U
Hexachlorocyclopentadiene	330	410 U	390 U	410 U
2,4,6-Trichlorophenol	330	410 U	390 U	410 U
2,4,5-Trichlorophenol	1600	2000 U	1900 U	2000 U
2-Chloronaphthalene	330	410 U	390 U	410 U
2-Nitroaniline	1600	2000 U	1900 U	2000 U
Dimethylphthalate	330	410 U	390 U	410 U
Acenaphthylene	330	410 U	390 U	410 U
2,6-Dinitrotoluene	330	410 U	390 U	410 U
3-Nitroaniline	1600	2000 U	1900 U	2000 U
Acenaphthene	330	410 U	390 U	410 U
2,4-Dinitrophenol	1600	2000 U	1900 U	2000 U
Dibenzofuran	330	410 U	390 U	410 U
4-Nitrophenol	1600	2000 U	1900 U	2000 U
2,4-Dinitrotoluene	330	410 U	390 U	410 U

ANALYTICAL RESULTS OF SOILS (0'-2') AT THE HWSA RICKENBACKER ANGB--OHIO

Sample ID:

RB-HW-SU47

RB-HW-SU48

RB-HW
SU49-SS3

RB-HW-D1

Time:

1210

1030

0900

Date Sampled:

01/18/90

01/18/90

01/31/90

01/18/90

Date Received:

01/19/90

01/19/90

02/01/90

01/19/90

% Moisture:

15

20

16

20

Lab ID:

1627.29

1627.30

1627.37

1627.31

Matrix:

A

A

A

A

Parameter
Semi-Volatiles

Nominal
CRDL
ug/kg

Fluorene

390 U

410 U

390 U

410 U

Diethylphthalate

390 U

410 UJ

390 U

410 U

4-Chlorophenyl-phenylether

390 U

410 U

390 U

410 U

4-Nitroaniline

1900 U

2000 U

1900 U

2000 U

4,6-Dinitro-2-Methylphenol

1900 U

2000 U

1900 U

2000 U

N-Nitrosodiphenylamine

390 U

410 U

390 U

410 U

4-Bromophenyl-phenylether

390 U

410 U

390 U

410 U

Hexachlorobenzene

390 U

410 U

390 U

410 U

Pentachlorophenol

1900 U

2000 U

1900 U

2000 U

Phenanthrene

390 U

170 J

240 J

410 U

Anthracene

390 U

410 U

390 U

410 U

Di-n-Butylphthalate

390 U

410 UJ

390 U

410 U

Fluoranthene

160 J

380 J

450

170 J

Pyrene

390 U

270 J

460

190 J

Butylbenzylphthalate

390 U

410 U

390 U

410 U

Benzo(a)Anthracene

390 U

410 U

220 J

410 U

3,3'-Dichlorobenzidine

780 U

830 U

790 U

830 U

Chrysene

390 U

170 J

250 J

410 U

bis(2-Ethylhexyl)Phthalate

390 U

410 U

390 U

410 U

Di-n-octylphthalate

390 U

410 U

390 U

410 U

ANALYTICAL RESULTS OF SOILS (0'-2') AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID:

RB-HW-SU47

RB-HW-SU48

RB-HW
SU49-SS3

RB-HW-D1

Time:

1210

1210

1030

0900

Date Sampled:

01/18/90

01/18/90

01/31/90

01/18/90

Date Received:

01/19/90

01/19/90

02/01/90

01/19/90

% Moisture:

15

20

16

20

Lab ID:

1627.29

1627.30

1627.37

1627.31

Matrix:

A
Soil

A
Soil

A
Soil

A
Soil

Nominal
CRDL
ug/kg

Parameter

Semi-Volatiles

Benzo(b)Fluoranthene
Benzo(k)Fluoranthene
Benzo(a)Pyrene
Indeno(1,2,3-cd)Pyrene
Dibenz(a,h)Anthracene
Benzo(g,h,i)Perylene

130 J
390 U
390 U
390 U
390 U
390 U

410 U
410 U
130 J
410 U
410 U
410 U

320 J
130 J
220 J
140 J
390 U
390 U

160 J
410 U
410 U
410 U
410 U
410 U

Footnotes:

J--the value reported is
an estimated concentration.
U--the compound was analyzed
for, but not detected.

ANALYTICAL RESULTS OF SOILS (0'-2') AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW-D2	RB-HW-D3
Time:	0935	0945
Date Sampled:	01/18/90	01/18/90
Date Received:	01/19/90	01/19/90
% Moisture:	20	19
Lab ID:	1627.32	1627.33
Matrix:	A Soil	A Soil
Parameter		
Semi - Volatiles		
	Nominal CRDL ug/kg	
N - Nitroso - Dimethylamine	330	410 U
Phenol	330	410 U
bis(2 - Chloroethyl) ether	330	410 U
2 - Chlorophenol	330	410 U
1,3 - Dichlorobenzene	330	410 U
1,4 - Dichlorobenzene	330	410 U
Benzyl Alcohol	330	410 U
1,2 - Dichlorobenzene	330	410 U
2 - Methylphenol	330	410 U
bis(2 - chloroisopropyl) Ether	330	410 U
4 - Methylphenol	330	410 U
N - Nitroso - Di - n - Propylamine	330	410 U
Hexachloroethane	330	410 U
Nitrobenzene	330	410 U
Isophorone	330	410 U
2 - Nitrophenol	330	410 U
2,4 - Dimethylphenol	330	410 U
bis(2 - Chloroethoxy) methane	330	410 U
2,4 - Dichlorophenol	330	410 U
Benzoic Acid	1600	2000 U

ANALYTICAL RESULTS OF SOILS (0'-2') AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW-D2	RB-HW-D3
Time:	0935	0945
Date Sampled:	01/18/90	01/18/90
Date Received:	01/19/90	01/19/90
% Moisture:	20	19
Lab ID:	1627.32	1627.33
Matrix:	A Soil	A Soil
Parameter	Nominal	
Semi-Volatiles	CRDL ug/kg	
1,2,4-Trichlorobenzene	330	410 U
Naphthalene	330	410 U
4-Chloroaniline	330	410 U
Hexachlorobutadiene	330	410 U
4-Chloro-3-Methylphenol	330	410 U
2-Methylnaphthalene	330	410 U
Hexachlorocyclopentadiene	330	410 U
2,4,6-Trichlorophenol	330	410 U
2,4,5-Trichlorophenol	1600	2000 U
2-Chloronaphthalene	330	410 U
2-Nitroaniline	1600	2000 U
Dimethylphthalate	330	410 U
Acenaphthylene	330	410 U
2,6-Dinitrotoluene	330	410 U
3-Nitroaniline	1600	2000 U
Acenaphthene	330	410 U
2,4-Dinitrophenol	1600	2000 U
Dibenzofuran	330	410 U
4-Nitrophenol	1600	2000 U
2,4-Dinitrotoluene	330	410 U

ANALYTICAL RESULTS OF SOILS (0'-2') AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW-D2	RB-HW-D3
Time:	0935	0945
Date Sampled:	01/18/90	01/18/90
Date Received:	01/19/90	01/19/90
% Moisture:	20	19
Lab ID:	1627.32	1627.33
Matrix:	A Soil	A Soil
Parameter	Nominal	
Semi-Volatiles	CRDL	
	ug/kg	
Fluorene	330	410 U
Diethylphthalate	330	410 U
4-Chlorophenyl-phenylether	330	410 U
4-Nitroaniline	1600	2000 U
4,6-Dinitro-2-Methylphenol	1600	2000 U
N-Nitrosodiphenylamine	330	410 U
4-Bromophenyl-phenylether	330	410 U
Hexachlorobenzene	330	410 U
Pentachlorophenol	1600	2000 U
Phenanthrene	330	410 U
Anthracene	330	410 U
Di-n-Butylphthalate	330	410 U
Fluoranthene	330	200 J
Pyrene	330	240 J
Butylbenzylphthalate	330	410 U
Benzo(a)Anthracene	330	410 U
3,3'-Dichlorobenzidine	660	810 U
Chrysene	330	410 U
bis(2-Ethylhexyl)Phthalate	330	410 U
Di-n-octylphthalate	330	410 U

ANALYTICAL RESULTS OF SOILS (0'-2') AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID:	RB-HW-D2	RB-HW-D3
Time:	0935	0945
Date Sampled:	01/18/90	01/18/90
Date Received:	01/19/90	01/19/90
% Moisture:	20	19
Lab ID:	1627.32	1627.33
Matrix:	A Soil	A Soil
Parameter		
Semi-Volatiles		
	Nominal CRDL ug/kg	
Benzo(b)Fluoranthene	330	410 U
Benzo(k)Fluoranthene	330	410 U
Benzo(a)Pyrene	330	410 U
Indeno(1,2,3-cd)Pyrene	330	410 U
Dibenz(a,h)Anthracene	330	410 U
Benzo(g,h,i)Perylene	330	410 U

Footnotes:

J--the value reported is an estimated concentration.
 U--the compound was analyzed for, but not detected.

ANALYTICAL RESULTS OF SOILS (0'-2') AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW-SU19	RB-HW-SU20	RB-HW-SU21	RB-HW-SU22
Time:	0945	0950	1000	1010
Date Sampled:	01/18/90	01/18/90	01/18/90	01/18/90
Date Received:	01/19/90	01/19/90	01/19/90	01/19/90
% Solids:	86.5	81.0	87.8	82.8
Lab ID:	1627.01	1627.02	1627.03	1627.04
Matrix:	A Soil	A Soil	A Soil	A Soil
Parameter				
Metals				
Antimony	6	4 UNJ	4.8 UNJ	4.8 UNJ
Arsenic	1	9.6 BNJ	6.8 BNJ	6.4 BNJ
Beryllium	0.5	0.45 B	0.36 B	0.6
Cadmium	0.5	0.68	0.24 B	0.24 B
Chromium	1	14.4 NJ	3.6 NJ	8.6 NJ
Copper	2.5	15.8 *	11 *	12.6 *
Lead	0.3	110	25.7	43.8
Mercury	0.1	0.099 B	0.06 U	0.053 U
Nickel	4	14.1	11.9	12.2
Selenium	0.5	0.2 U	0.23 BW	0.21 UW
Silver	1	0.75 U	0.78 U	0.79 U
Thallium	1	0.53 UNWJ	0.53 UNWJ	0.54 UNWJ
Zinc	2	98.8 NJ	31.4 NJ	68.4 NJ

ANALYTICAL RESULTS OF SOILS (0'-2') AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:		RB-HW-SU27	RB-HW-SU28	RB-HW-SU29	RB-HW-SU30
Time:		0900	0900	1100	1100
Date Sampled:		01/18/90	01/18/90	01/18/90	01/18/90
Date Received:		01/19/90	01/19/90	01/19/90	01/19/90
% Solids:		83.5	78.3	86.1	84.0
Lab ID:		1627.09	1627.10	1627.11	1627.12
Matrix:		A Soil	A Soil	A Soil	A Soil
Parameter	Nominal CRDL mg/Kg				
Metals					
Antimony	6	4.3 UNJ	4.6 UNJ	4.7 UNJ	4.9 UNJ
Arsenic	1	14 NJ	10.8 BNJ	11.9 NJ	8.6 BNJ
Beryllium	0.5	0.65	0.68	0.93	0.49 B
Cadmium	0.5	0.2 U	0.22 U	0.22 U	0.23 U
Chromium	1	14.1 N	13.8 N	11.1 N	14.4 NJ
Copper	2.5	20.2 *	17.4 *	20.8 *	14 *
Lead	0.3	59.8	43.2	32.1	65.1
Mercury	0.1	0.052 U	0.064 U	0.058 U	0.052 U
Nickel	4	23.5	18.8	21.5	13.9
Selenium	0.5	0.26 B	0.48 B	0.34 BW	0.36 BW
Silver	1	0.71 U	0.75 U	0.77 U	0.81 U
Thallium	1	0.48 UNWJ	0.58 UNWJ	0.49 UNW	0.54 UNWJ
Zinc	2	89.3 NJ	95 NJ	109 N	76.3 NJ

ANALYTICAL RESULTS OF SOILS (0'-2') AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID:	RB-HW-SU31	RB-HW-SU32	RB-HW-SU33-SS2	RB-HW-SU34
Time:	1145	0910	1450	0920
Date Sampled:	01/18/90	01/18/90	01/24/90	01/18/90
Date Received:	01/19/90	01/19/90	01/25/90	01/19/90
% Solids:	78.0	81.9	77.8	87.0
Lab ID:	1627.13	1627.14	1627.15	1627.16
Matrix:	A Soil	A Soil	A Soil	A Soil
Parameter				
Metals	Nominal CRDL mg/Kg			
Antimony	6	5.3 UNJ	4.9 UNJ	4.3 UNJ
Arsenic	1	6.9 BNWJ	18.1 NJ	15.8 NJ
Beryllium	0.5	0.66	0.73	0.53
Cadmium	0.5	0.53 B	0.49 B	0.2 U
Chromium	1	12.8 NJ	16.2 NJ	11.5 NJ
Copper	2.5	13 *	22.6 *	20.6 *
Lead	0.3	48.8	41.6	19.5
Mercury	0.1	0.064 U	0.061 U	0.057 U
Nickel	4	16	27.3	24.8
Selenium	0.5	0.59 B	0.18 UW	0.39 BW
Silver	1	0.87 U	0.81 U	0.7 U
Thallium	1	0.58 UNWJ	0.48 UNWJ	0.52 UNWJ
Zinc	2	59 NJ	113 NJ	75.5 NJ

ANALYTICAL RESULTS OF SOILS (0'-2') AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW-SU35	RB-HW-SU36	RB-HW-SU37	RB-HW-SU38
Time:	1110	1115	1135	1145
Date Sampled:	01/18/90	01/18/90	01/18/90	01/18/90
Date Received:	01/19/90	01/19/90	01/19/90	01/19/90
% Solids:	80.7	87.9	80.2	80.5
Lab ID:	1627.17	1627.18	1627.19	1627.20
Matrix:	A Soil	A Soil	A Soil	A Soil
Parameter				
Metals				
Antimony	4.5 UNJ	4.1 UNJ	4.2 UNJ	4.9 UNJ
Arsenic	7.9 BNWJ	9.9 B	17.6	13.8
Beryllium	0.79	0.41 B	0.74	0.62
Cadmium	0.23 B	0.31 B*	0.2 U*	0.37 B*
Chromium	14.3 NJ	8.7	15.7	13.7
Copper	17 *	15 *	21.9 *	22.9 *
Lead	27.1	24.8 *	28.7 *	37.4 *
Mercury	0.062 U	0.042 U	0.066 U	0.062 U
Nickel	19.7	17.9 *	28.6 *	23.3 *
Selenium	0.2 U	0.25 BW	0.25 BW	0.32 BW
Silver	0.74 U	0.68 U	0.7 U	0.81 U
Thallium	0.54 UNWJ	0.47 UNWJ	0.54 UNWJ	0.55 UNWJ
Zinc	93.9 NJ	60.2 N*J	95.1 N*J	91.9 N*J
Nominal CRDL mg/Kg	6			
	1			
	0.5			
	0.5			
	1			
	2.5			
	0.3			
	0.1			
	4			
	0.5			
	1			
	1			
	2			

ANALYTICAL RESULTS OF SOILS (0'-2') AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW-SU39	RB-HW-SU40	RB-HW-SU41	RB-HW-SU42
Time:	0920	0935	0935	0945
Date Sampled:	01/18/90	01/18/90	01/18/90	01/18/90
Date Received:	01/19/90	01/19/90	01/19/90	01/19/90
% Solids:	78.7	76.3	78.3	74.5
Lab ID:	1627.21	1627.22	1627.23	1627.24
Matrix:	A Soil	A Soil	A Soil	A Soil
Parameter	Nominal CRDL mg/Kg	5.1 UNJ	5.2 UNJ	5.1 UNJ
Antimony	6	12.1 B	19.6	17.8
Arsenic	1	0.63	0.78	0.38 B
Beryllium	0.5	0.38 B*	0.39 B*	0.24 U*
Cadmium	0.5	22.8	22.7	12.8
Chromium	1	30.6 *	36.1 *	25.8 *
Copper	2.5	73.4 *	44.3 *	39.2 *
Lead	0.3	0.058 U	0.074 B	0.061 U
Mercury	0.1	26.4 *	30.5 *	21.5 *
Nickel	4	0.29 BW	0.32 BW	0.22 U
Selenium	0.5	0.83 U	0.86 U	0.83 U
Silver	1	0.66 BNWJ	0.95 BNWJ	0.6 BNWJ
Thallium	1	196 N*J	139 N*J	87.9 N*J
Zinc	2			109 N*J

ANALYTICAL RESULTS OF SOILS (0'-2') AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID:		RB-HW-SU43	RB-HW-SU44	RB-HW-SU45	RB-HW-SU46
Time:					
Date Sampled:					1025
Date Received:					01/18/90
% Solids:					01/19/90
		83.1	86.8	90.7	88.9
Lab ID:		1627.25	1627.26	1627.27	1627.28
Matrix:		A	A	A	A
		Soil	Soil	Soil	Soil
Parameter	Nominal				
	CRDL				
	mg/Kg				
Metals					
Antimony	6	4.7 UNJ	4.7 UNJ	4.3 UNJ	4.2 UNJ
Arsenic	1	8.3 B	7.6 B	4.8 B	7.2 B
Beryllium	0.5	0.58	0.47 B	0.25 U	0.42 B
Cadmium	0.5	0.22 U*	1.6 *	1.9 *	1.6 *
Chromium	1	17.5	14	12.5	13.8
Copper	2.5	29.2 *	45.3 *	11.9 *	18.4 *
Lead	0.3	26.4 *	77 *	32.4 *	54.9 *
Mercury	0.1	0.06 U	0.055 U	0.053 U	0.056 U
Nickel	4	31.8 *	17.9 *	13.8 *	19.7 *
Selenium	0.5	0.25 B	0.17 UW	0.19 UW	0.23 BW
Silver	1	0.76 U	0.77 U	0.71 U	1.8
Thallium	1	0.54 UNWJ	0.45 UNWJ	0.5 UNWJ	0.51 UNWJ
Zinc	2	116 N*J	68.3 N*J	43.9 N*J	113 N*J

ANALYTICAL RESULTS OF SOILS (0'-2') AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW-SU47	RB-HW-SU48	RB-HW-SU49-SS3	RB-HW-D1
Time:	1210	1210	1030	0900
Date Sampled:	01/18/90	01/18/90		01/18/90
Date Received:	01/19/90	01/19/90	02/01/90	01/19/90
% Solids:	84.6	80.0	83.5	79.7
Lab ID:	1627.29	1627.30	1627.37	1627.31
Matrix:	A Soil	A Soil	A Soil	A Soil
Parameter				
Metals				
Antimony	6			5 UNJ
Arsenic	1	4.7 UNJ	4.4 UNJ	18.2
Beryllium	0.5	14.4	16.8 S	0.63
Cadmium	0.5	0.59	0.49 B	0.5 B*
Chromium	1	0.59 *	0.85 *	16.1
Copper	2.5	18	15.4	20.6 *
Lead	0.3	29.3 *	32.7 *	138 *
Mercury	0.1	41.2 *	43.7 *	0.063 U
Nickel	4	0.056 U	0.06 U	20.6 *
Selenium	0.5	29.6 *	31.6 *	0.34 BW
Silver	1	0.44 BW	0.59 BW	0.83 U
Thallium	1	0.77 U	0.8 U	0.56 UNWJ
Zinc	2	0.49 UNWJ	0.56 UNWJ	131 N*J
		111 N*J	91 NJ	

ANALYTICAL RESULTS OF SOILS (0'-2') AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID:	RB-HW-D2	RB-HW-D3
Time:	0935	0945
Date Sampled:	01/18/90	01/18/90
Date Received:	01/19/90	01/19/90
% Solids:	79.9	80.6
Lab ID:	1627.32	1627.33
Matrix:	A Soil	A Soil
Parameter		
Metals	Nominal CRDL mg/Kg	
Antimony	6	5 UNJ
Arsenic	1	21
Beryllium	0.5	0.62
Cadmium	0.5	0.37 B*
Chromium	1	15.1
Copper	2.5	29.7 *
Lead	0.3	28.3 *
Mercury	0.1	0.054 U
Nickel	4	27.3 *
Selenium	0.5	0.52 BW
Silver	1	0.82 U
Thallium	1	0.55 UNWJ
Zinc	2	99.2 N*J

ANALYTICAL RESULTS OF SOILS (0'-2') AT THE HWSA RICKENBACKER ANGB--OHIO

Footnotes:

- not detected
- *-- duplicate analysis not within control limits.
- B-- reported value is less than the reporting limit, but greater than the IDL.
- J-- the value reported is an estimated concentration.
- N-- spiked sample recovery, not within control limits.
- S-- reported value was determined by the Method of Standard Additions.
- U-- compound was analyzed for, but not detected.
- W-- post digestion spike for Furnace AA analysis out of control limits (85--115%), while sample absorbance is less than 50% of spike absorbance.

ANALYTICAL RESULTS OF SOILS (3' - 27') AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW-AB1-SS1	RB-HW-AB1-SS2	RB-HW-AB2-SS1	RB-HW-AB2-SS2
Time:	1000	1000	1500	1500
Date Sampled:	01/22/90	01/22/90	01/22/90	01/22/90
Date Received:	01/23/90	01/23/90	01/23/90	01/23/90
% Moisture:	15	14	13	13
Lab ID:	1630.01	1630.02	1630.03	1630.04
Matrix:	Soil	Soil	Soil	Soil
Parameter	Nominal			
Volatiles	CRDL			
	ug/kg			
Chloromethane	10	1420 U	12 U	11 U
Bromomethane	10	12 U	1420 U	11 U
Vinyl Chloride	10	12 U	1420 U	11 U
Chloroethane	10	12 U	1420 U	11 U
Methylene_Chloride	5	18 UJ	1800 UJ	9 UJ
Acrolein	10	12 U	1420 U	11 U
Acetone	100	100 UJ	12500 UJ	100 UJ
Acrylonitrile	10	12 U	1420 U	11 U
Carbon Disulfide	10	12 U	1420 U	11 U
Trichlorofluoromethane	10	12 U	1420 U	11 U
1,1-Dichloroethene	5	6 U	710 U	6 U
1,1-Dichloroethane	5	6 U	710 U	6 U
trans-1,2-Dichloroethene	5	6 U	710 U	6 U
Chloroform	5	6 U	710 U	6 U
1,2-Dichloroethane	5	6 U	710 U	6 U
2-Butanone	100	100 UJ	12500 UJ	100 UJ
1,1,1-Trichloroethane	5	6 U	710 U	6 U
Carbon Tetrachloride	5	6 U	710 U	6 U
Vinyl Acetate	50	59 U	7100 U	57 U
Bromodichloromethane	5	6 U	710 U	6 U

ANALYTICAL RESULTS OF SOILS (3'-27') AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID:	RB-HW-AB1-SS1	RB-HW-AB1-SS2	RB-HW-AB2-SS1	RB-HW-AB2-SS2
Time:	1000	1000	1500	1500
Date Sampled:	01/22/90	01/22/90	01/22/90	01/22/90
Date Received:	01/23/90	01/23/90	01/23/90	01/23/90
% Moisture:	15	14	13	13
Lab ID:	1630.01	1630.02	1630.03	1630.04
Matrix:	Soil	Soil	Soil	Soil
Parameter	Nominal CRDL ug/kg			
Volatiles				
1,2-Dichloropropane	6 U	710 U	6 U	6 U
cis-1,3-Dichloropropene	6 U	710 U	6 U	6 U
Trichloroethene	6 U	710 U	6 U	6 U
Benzene	6 U	1200 UJ	1 J	6 U
Dibromochloromethane	6 U	710 U	6 U	6 U
1,1,2-Trichloroethane	6 U	710 U	6 U	6 U
trans-1,3-Dichloropropene	6 U	710 U	6 U	6 U
2-Chloroethylvinylether	12 U	1420 U	12 U	11 U
Bromoform	6 U	710 U	6 U	6 U
2-Hexanone	59 U	7100 U	59 U	57 U
4-Methyl-2-pentanone	59 U	7100 U	59 U	57 U
Tetrachloroethene	6 U	710 U	6 U	6 U
1,1,2,2-Tetrachloroethane	6 U	710 U	6 U	6 U
Toluene	5 UJ	710 U	6 U	5 UJ
Chlorobenzene	6 U	710 U	6 U	6 U
Ethylbenzene	6 U	6700	6 U	6 U
Styrene	6 U	710 U	6 U	6 U
m/p-Xylene	6 U	6000	6 U	6 U
o-Xylene	6 U	12000	6 U	6 U
1,3-Dichlorobenzene	6 U	710 U	6 U	6 U

ANALYTICAL RESULTS OF SOILS (3'-27") AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID:	RB-HW-AB1-SS1	RB-HW-AB1-SS1	RB-HW-AB1-SS1	RB-HW-AB2-SS2	RB-HW-AB2-SS2
Time:	1000	1000	1000	1500	1500
Date Sampled:	01/22/90	01/22/90	01/22/90	01/22/90	01/22/90
Date Received:	01/23/90	01/23/90	01/23/90	01/23/90	01/23/90
% Moisture:	15	14	14	13	13
Lab ID:	1630.01	1630.02	1630.03	1630.04	1630.04
Matrix:	Soil	Soil	Soil	Soil	Soil
Parameter	Nominal				
Volatiles	CRDL				
1,2/1,4-Dichlorobenzene	5	6 U	710 U	6 U	6 U

17
49

Footnotes:

- B-- the analyte is found in the associated blank as well as in the sample.
- D-- result is calculated from a greater dilution than the primary analysis.
- J-- the value reported is an estimated concentration.
- U-- the compound was analyzed for, but not detected.

ANALYTICAL RESULTS OF SOILS (3'-27") AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID:	RB-HW-AB3-SS1	RB-HW-AB3-SS2	RB-HW-AB4-SS1	RB-HW-AB4-SS2
Time:	0835	0900	1320	1340
Date Sampled:	01/23/90	01/23/90	01/23/90	01/23/90
Date Received:	01/24/90	01/24/90	01/24/90	01/24/90
% Moisture:	16	12	17	13
Lab ID:	1633.01	1633.02	1633.03	1633.04
Matrix:	Soil	Soil	Soil	Soil
Parameter	Nominal			
Volatiles	CRDL ug/kg			
Chloromethane	10	12 U	11 U	11 U
Bromomethane	10	12 U	11 U	11 U
Vinyl Chloride	10	12 U	11 U	11 U
Chloroethane	10	12 U	11 U	11 U
Methylene_Chloride	5	10 UJ	12 UJ	13 UJ
Acrolein	10	12 U	11 U	11 U
Acetone	100	100 UJ	100 UJ	250 D
Acrylonitrile	10	12 U	11 U	11 U
Carbon Disulfide	10	12 U	11 U	11 U
Trichlorofluoromethane	10	12 U	11 U	11 U
1,1-Dichloroethene	5	6 U	6 U	6 U
1,1-Dichloroethane	5	6 U	6 U	6 U
trans-1,2-Dichloroethene	5	6 U	6 U	6 U
Chloroform	5	6 U	6 U	6 U
1,2-Dichloroethane	5	6 U	6 U	6 U
2-Butanone	100	100 UJ	120 U	100 UJ
1,1,1-Trichloroethane	5	6 U	6 U	6 U
Carbon Tetrachloride	5	6 U	6 U	6 U
Vinyl Acetate	50	60 U	60 U	57 U
Bromodichloromethane	5	6 U	6 U	6 U

ANALYTICAL RESULTS OF SOILS (3'-27") AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID:	RB-HW-AB3-SS1	RB-HW-AB3-SS2	RB-HW-AB4-SS1	RB-HW-AB4-SS2
Time:	0835	0900	1320	1340
Date Sampled:	01/23/90	01/23/90	01/23/90	01/23/90
Date Received:	01/24/90	01/24/90	01/24/90	01/24/90
% Moisture:	16	12	17	13
Lab ID:	1633.01	1633.02	1633.03	1633.04
Matrix:	Soil	Soil	Soil	Soil
Parameter	Nominal			
Volatiles	CRDL			
	ug/kg			
1,2-Dichloropropane	6 U	6 U	6 U	6 U
cis-1,3-Dichloropropene	6 U	6 U	6 U	6 U
Trichloroethene	6 U	6 U	6 U	6 U
Benzene	6 U	39	6 U	6 U
Dibromochloromethane	6 U	6 U	6 U	6 U
1,1,2-Trichloroethane	6 U	6 U	6 U	6 U
trans-1,3-Dichloropropene	6 U	6 U	6 U	6 U
2-Chloroethylvinylether	12 U	11 U	12 U	11 U
Bromoform	6 U	6 U	6 U	6 U
2-Hexanone	60 U	57 U	60 U	57 U
4-Methyl-2-pentanone	60 U	57 U	60 U	57 U
Tetrachloroethene	6 U	6 U	6 U	6 U
1,1,2,2-Tetrachloroethane	6 U	6 U	6 U	6 U
Toluene	6 U	6 U	6 U	6 U
Chlorobenzene	6 U	6 U	6 U	6 U
Ethylbenzene	6 U	6 U	6 U	6 U
Styrene	6 U	6 U	6 U	6 U
m/p-Xylene	6 U	6 U	6 U	6 U
o-Xylene	6 U	6 U	6 U	6 U
1,3-Dichlorobenzene	6 U	6 U	6 U	6 U

ANALYTICAL RESULTS OF SOILS (3'-27") AT THE HWSA RICKENBACKER ANGB--OHIO

Sample ID:	RB-HW - AB3 - SS1 0835	RB-HW - AB3 - SS2 0900	RB-HW - AB4 - SS1 1320	RB-HW - AB4 - SS2 1340
Time:	01/23/90	01/23/90	01/23/90	01/23/90
Date Sampled:	01/24/90	01/24/90	01/24/90	01/24/90
Date Received:	16	12	17	13
% Moisture:				
Lab ID:	1633.01	1633.02	1633.03	1633.04
Matrix:	Soil	Soil	Soil	Soil
Parameter	Nominal			
Volatiles	CRDL			
	ug/kg			
1,2/1,4-Dichlorobenzene	5	6 U	6 U	6 U

Footnotes:

- B--the analyte is found in the associated blank as well as in the sample.
- D--result is calculated from a greater dilution than the primary analysis.
- J--the value reported is an estimated concentration.
- U--the compound was analyzed for, but not detected.

ANALYTICAL RESULTS OF SOILS (3'-27') AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID:	RB-HW-AB5-SS1	RB-HW-AB5-SS2	RB-HW-AB6-SS1	RB-HW-AB6-SS2	
Time:	1430	1430	1100	1115	
Date Sampled:	01/22/90	01/22/90	01/23/90	01/23/90	
Date Received:	01/23/90	01/23/90	01/24/90	01/24/90	
% Moisture:	11	13	13	17	
Lab ID:	1630.05	1630.06	1633.05	1633.06	
Matrix:	Soil	Soil	Soil	Soil	
Parameter	Nominal				
Volatiles	CRDL				
	ug/kg				
Chloromethane	11 U	11 U	11 U	12 U	
Bromomethane	11 U	11 U	11 U	12 U	
Vinyl Chloride	11 U	11 U	11 U	12 U	
Chloroethane	11 U	11 U	11 U	12 U	
Methylene_Chloride	6 U	10 UJ	39 UJ	12 UJ	
Acrolein	11 U	11 J	11 U	12 U	
Acetone	112 U	100 UJ	100 UJ	100 UJ	
Acrylonitrile	11 U	11 U	11 U	12 U	
Carbon Disulfide	11 U	11 U	11 U	12 U	
Trichlorofluoromethane	11 U	11 U	11 U	12 U	
1,1-Dichloroethene	6 U	6 U	6 U	6 U	
1,1-Dichloroethane	6 U	6 U	6 U	6 U	
trans-1,2-Dichloroethene	6 U	6 U	6 U	6 U	
Chloroform	6 U	6 U	6 U	6 U	
1,2-Dichloroethane	6 U	6 U	6 U	6 U	
2-Butanone	112 U	100 UJ	100 UJ	100 UJ	
1,1,1-Trichloroethane	6 U	6 U	6 U	6 U	
Carbon Tetrachloride	6 U	6 U	6 U	6 U	
Vinyl Acetate	56 U	57 U	57 U	60 U	
Bromodichloromethane	6 U	6 U	6 U	6 U	

ANALYTICAL RESULTS OF SOILS (3'-27') AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW- AB5- SS1 1430 01/22/90 01/23/90 11	RB-HW- AB5- SS2 1430 01/22/90 01/23/90 13	RB-HW- AB6- SS1 1100 01/23/90 01/24/90 13	RB-HW- AB6- SS2 1115 01/23/90 01/24/90 17
Time:				
Date Sampled:				
Date Received:				
% Moisture:				
Lab ID:	1630.05	1630.06	1633.05	1633.06
Matrix:	Soil	Soil	Soil	Soil
Parameter	Nominal			
Volatiles	CRDL ug/kg			
1,2-Dichloropropane	6 U	6 U	6 U	6 U
cis-1,3-Dichloropropene	6 U	6 U	6 U	6 U
Trichloroethene	6 U	6 U	6 U	6 U
Benzene	6 U	6 U	6 U	1 J
Dibromochloromethane	6 U	6 U	6 U	6 U
1,1,2-Trichloroethane	6 U	6 U	6 U	6 U
trans-1,3-Dichloropropene	6 U	6 U	6 U	6 U
2-Chloroethylvinylether	11 U	11 U	11 U	12 U
Bromoform	6 U	6 U	6 U	6 U
2-Hexanone	56 U	57 U	57 U	60 U
4-Methyl-2-pentanone	56 U	57 U	57 U	60 U
Tetrachloroethene	6 U	6 U	6 U	6 U
1,1,2,2-Tetrachloroethane	6 U	6 U	6 U	6 U
Toluene	6 U	5 UJ	6 U	6 U
Chlorobenzene	6 U	6 U	6 U	6 U
Ethylbenzene	6 U	6 U	6 U	6 U
Styrene	6 U	6 U	6 U	6 U
m/p-Xylene	6 U	6 U	6 U	6 U
o-Xylene	6 U	6 U	6 U	6 U
1,3-Dichlorobenzene	6 U	6 U	6 U	6 U

ANALYTICAL RESULTS OF SOILS (3' - 27') AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW-AB5-SS1	RB-HW-AB5-SS2	RB-HW-AB6-SS2	RB-HW-AB6-SS2
Time:	1430	1430	1100	1115
Date Sampled:	01/22/90	01/22/90	01/23/90	01/23/90
Date Received:	01/23/90	01/23/90	01/24/90	01/24/90
% Moisture:	11	13	13	17
Lab ID:	1630.05	1630.06	1633.05	1633.06
Matrix:	Soil	Soil	Soil	Soil
Parameter	Nominal			
Volatiles	CRDL			
	ug/kg			
1,2/1,4-Dichlorobenzene	5	6 U	6 U	6 U

Footnotes:

- B--the analyte is found in the associated blank as well as in the sample.
- D--result is calculated from a greater dilution than the primary analysis.
- J--the value reported is an estimated concentration.
- U--the compound was analyzed for, but not detected.

ANALYTICAL RESULTS OF SOILS (3'-27') AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW - AB7 - SS1	RB-HW - AB7 - SS2	RB-HW - AB8 - SS1	RB-HW - AB8 - SS2
Time:	1400	1410	1320	1320
Date Sampled:	01/23/90	01/23/90	01/22/90	01/22/90
Date Received:	01/24/90	01/24/90	01/23/90	01/23/90
% Moisture:	18	13	12	15
Lab ID:	1633.07	1633.08	1630.07	1630.08
Matrix:	Soil	Soil	Soil	Soil
Parameter	Nominal			
Volatiles	CRDL			
	ug/kg			
Chloromethane	10	11 U	11 U	12 U
Bromomethane	10	11 U	11 U	12 U
Vinyl Chloride	10	11 U	11 U	12 U
Chloroethane	10	11 U	11 U	12 U
Methylene_Chloride	5	21 UJ	10 UJ	12 UJ
Acrolein	10	11 U	11 U	12 U
Acetone	100	100 UJ	100 UJ	100 UJ
Acrylonitrile	10	11 U	11 U	12 U
Carbon Disulfide	10	11 U	11 U	12 U
Trichlorofluoromethane	10	11 U	11 U	12 U
1,1-Dichloroethene	5	6 U	6 U	6 U
1,1-Dichloroethane	5	6 U	6 U	6 U
trans-1,2-Dichloroethene	5	6 U	6 U	6 U
Chloroform	5	6 U	6 U	6 U
1,2-Dichloroethane	5	6 U	6 U	6 U
2-Butanone	100	100 UJ	100 UJ	100 UJ
1,1,1-Trichloroethane	5	6 U	6 U	6 U
Carbon Tetrachloride	5	6 U	6 U	6 U
Vinyl Acetate	50	57 U	57 U	59 U
Bromodichloromethane	5	6 U	6 U	6 U

ANALYTICAL RESULTS OF SOILS (3'-27') AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID:	RB-HW-AB7-SS1	RB-HW-AB7-SS2	RB-HW-AB8-SS2	RB-HW-AB8-SS2
Time:	1400	1410	1320	1320
Date Sampled:	01/23/90	01/23/90	01/22/90	01/22/90
Date Received:	01/24/90	01/24/90	01/23/90	01/23/90
% Moisture:	18	13	12	15
Lab ID:	1633.07	1633.08	1630.07	1630.08
Matrix:	Soil	Soil	Soil	Soil
Parameter	Nominal			
Volatiles	CRDL ug/kg			
1,2-Dichloropropane	5	6 U	6 U	6 U
cis-1,3-Dichloropropene	5	6 U	6 U	6 U
Trichloroethene	5	6 U	6 U	6 U
Benzene	5	6 U	6 U	6 U
Dibromochloromethane	5	6 U	6 U	6 U
1,1,2-Trichloroethane	5	6 U	6 U	6 U
trans-1,3-Dichloropropene	5	6 U	6 U	6 U
2-Chloroethyvinylether	10	12 U	11 U	12 U
Bromoform	5	6 U	6 U	6 U
2-Hexanone	50	61 U	57 U	59 U
4-Methyl-2-pentanone	50	61 U	57 U	59 U
Tetrachloroethene	5	6 U	6 U	6 U
1,1,2,2-Tetrachloroethane	5	6 U	6 U	6 U
Toluene	5	6 U	6 U	5 UJ
Chlorobenzene	5	6 U	6 U	6 U
Ethylbenzene	5	6 U	6 U	6 U
Styrene	5	6 U	6 U	6 U
m/p-Xylene	5	6 U	6 U	6 U
o-Xylene	5	6 U	6 U	6 U
1,3-Dichlorobenzene	5	6 U	6 U	6 U

ANALYTICAL RESULTS OF SOILS (3' - 27") AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW - AB7 - SS1 1400	RB-HW - AB7 - SS2 1410	RB-HW - AB8 - SS1 1320	RB-HW - AB8 - SS2 1320
Time:	01/23/90	01/23/90	01/22/90	01/22/90
Date Sampled:	01/24/90	01/24/90	01/23/90	01/23/90
Date Received:	18	13	12	15
% Moisture:				
Lab ID:	1633.07	1633.08	1630.07	1630.08
Matrix:	Soil	Soil	Soil	Soil
Parameter	Nominal			
Volatiles	CRDL ug/kg			
1,2/1,4-Dichlorobenzene	5	6 U	6 U	6 U

Footnotes:

- B--the analyte is found in the associated blank as well as in the sample.
- D--result is calculated from a greater dilution than the primary analysis.
- J--the value reported is an estimated concentration.
- U--the compound was analyzed for, but not detected.

ANALYTICAL RESULTS OF SOILS (3'-27") AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID:	RB-HW-AB9-SS1	RB-HW-AB9-SS2	RB-HW-AB10-SS2	RB-HW-AB10-SS2
Time:	1040	1040	0930	0945
Date Sampled:	01/23/90	01/23/90	01/23/90	01/23/90
Date Received:	01/24/90	01/24/90	01/24/90	01/24/90
% Moisture:	17	17	16	16
Lab ID:	1633.09	1633.10	1633.11	1633.12
Matrix:	Soil	Soil	Soil	Soil
Parameter	Nominal			
Volatiles	CRDL ug/kg			
Chloromethane	10	12 U	12 U	12 U
Bromomethane	10	12 U	12 U	12 U
Vinyl Chloride	10	12 U	12 U	12 U
Chloroethane	10	12 U	12 U	12 U
Methylene_Chloride	5	13 UJ	11 UJ	14 UJ
Acrolein	10	12 U	12 U	12 U
Acetone	100	100 UJ	100 UJ	100 UJ
Acrylonitrile	10	12 U	12 U	12 U
Carbon Disulfide	10	12 U	12 U	12 U
Trichlorofluoromethane	10	12 U	12 U	12 U
1,1-Dichloroethene	5	6 U	6 U	6 U
1,1-Dichloroethane	5	6 U	6 U	6 U
trans-1,2-Dichloroethene	5	6 U	6 U	6 U
Chloroform	5	6 U	6 U	6 U
1,2-Dichloroethane	5	6 U	6 U	6 U
2-Butanone	100	100 UJ	100 UJ	100 UJ
1,1,1-Trichloroethane	5	6 U	6 U	6 U
Carbon Tetrachloride	5	6 U	6 U	6 U
Vinyl Acetate	50	60 U	60 U	60 U
Bromodichloromethane	5	6 U	6 U	6 U

ANALYTICAL RESULTS OF SOILS (3'-27') AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW - AB9 - SS1 1040	RB-HW - AB9 - SS2 1040	RB-HW - AB10 - SS1 0930	RB-HW - AB10 - SS2 0945
Time:				
Date Sampled:	01/23/90	01/23/90	01/23/90	01/23/90
Date Received:	01/24/90	01/24/90	01/24/90	01/24/90
% Moisture:	17	17	16	16
Lab ID:	1633.09	1633.10	1633.11	1633.12
Matrix:	Soil	Soil	Soil	Soil
Parameter	Nominal			
Volatiles	CRDL			
	ug/kg			
1,2-Dichloropropane	6 U	6 U	6 U	6 U
cis-1,3-Dichloropropene	6 U	6 U	6 U	6 U
Trichloroethene	6 U	6 U	6 U	6 U
Benzene	6 U	6 U	6 U	6 U
Dibromochloromethane	6 U	6 U	6 U	6 U
1,1,2-Trichloroethane	6 U	6 U	6 U	6 U
trans-1,3-Dichloropropene	6 U	6 U	6 U	6 U
2-Chloroethylvinylether	12 U	12 U	12 U	12 U
Bromoform	6 U	6 U	6 U	6 U
2-Hexanone	60 U	60 U	60 U	60 U
4-Methyl-2-pentanone	60 U	60 U	60 U	60 U
Tetrachloroethene	6 U	6 U	6 U	6 U
1,1,2,2-Tetrachloroethane	6 U	6 U	6 U	6 U
Toluene	6 U	6 U	6 U	6 U
Chlorobenzene	6 U	6 U	6 U	6 U
Ethylbenzene	6 U	6 U	6 U	6 U
Styrene	6 U	6 U	6 U	6 U
m/p-Xylene	6 U	6 U	6 U	6 U
o-Xylene	6 U	6 U	6 U	6 U
1,3-Dichlorobenzene	6 U	6 U	6 U	6 U

ANALYTICAL RESULTS OF SOILS (3'-27') AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID:	RB-HW-AB9-SS1	RB-HW-AB9-SS1	RB-HW-AB10-SS2	RB-HW-AB10-SS2
Time:	1040	1040	0930	0945
Date Sampled:	01/23/90	01/23/90	01/23/90	01/23/90
Date Received:	01/24/90	01/24/90	01/24/90	01/24/90
% Moisture:	17	17	16	16
Lab ID:	1633.09	1633.10	1633.11	1633.12
Matrix:	Soil	Soil	Soil	Soil
Parameter	Nominal			
Volatiles	CRDL			
	ug/kg			
1,2/1,4-Dichlorobenzene	5	6 U	6 U	6 U

Footnotes:

- B---the analyte is found in the associated blank as well as in the sample.
- D---result is calculated from a greater dilution than the primary analysis.
- J---the value reported is an estimated concentration.
- U---the compound was analyzed for, but not detected.

ANALYTICAL RESULTS OF SOILS (3'--27') AT THE HWSA RICKENBACKER ANGB--OHIO

Sample ID:

RB-HW--
AB11--SS4

RB-HW--
AB11--SS7

RB-HW--
AB12--SS3

RB-HW--
AB12--SS7

Time:

1040

1110

0930

1030

Date Sampled:

01/26/90

01/26/90

01/24/90

01/24/90

Date Received:

01/30/90

01/30/90

01/25/90

01/25/90

% Moisture:

14

11

16

14

Lab ID:

1643.07

1643.08

1636.01

1636.02

Matrix:

Soil

Soil

Soil

Soil

Parameter

Nominal

Soil

Soil

Soil

Soil

Volatiles

CRDL

ug/kg

11

Chloromethane

10

11 U

11 U

12 U

12 J

Bromomethane

10

11 U

11 U

12 U

12 J

Vinyl Chloride

10

11 U

11 U

12 U

12 J

Chloroethane

10

11 U

11 U

12 U

12 J

Methylene_Chloride

5

6 UJ

9 UJ

11 UJ

21 J

Acrolein

10

11 U

11 U

12 U

12 J

Acetone

100

100 UJ

100 UJ

100 UJ

100 J

Acrylonitrile

10

11 U

11 U

12 U

12 J

Carbon Disulfide

10

11 U

11 U

12 U

12 J

Trichlorofluoromethane

10

11 U

11 U

12 U

12 J

1,1-Dichloroethene

5

6 U

6 U

6 U

6 J

1,1-Dichloroethane

5

6 U

6 U

6 U

6 J

trans-1,2-Dichloroethene

5

6 U

6 U

6 U

6 J

Chloroform

5

6 U

6 U

6 U

6 J

1,2-Dichloroethane

5

6 U

6 U

6 U

6 J

2-Butanone

100

115 U

100 UJ

119 U

116 J

1,1,1-Trichloroethane

5

6 U

6 U

6 U

6 J

Carbon Tetrachloride

5

6 U

6 U

6 U

6 J

Vinyl Acetate

50

57 U

56 U

60 U

58 J

Bromodichloromethane

5

6 U

6 U

6 U

6 J

ANALYTICAL RESULTS OF SOILS (3'-27') AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID:	RB-HW- AB11-SS4	RB-HW- AB11-SS7	RB-HW- AB12-SS3	RB-HW- AB12-SS7
Time:	1040	1110	0930	1030
Date Sampled:	01/26/90	01/26/90	01/24/90	01/24/90
Date Received:	01/30/90	01/30/90	01/25/90	01/25/90
% Moisture:	14	11	16	14
Lab ID:	1643.07	1643.08	1636.01	1636.02
Matrix:	Soil	Soil	A Soil	A Soil
Parameter	Nominal			
Volatiles	CRDL ug/kg			
1,2-Dichloropropane	6 U	6 U	6 U	6 J
cis-1,3-Dichloropropene	6 U	6 U	6 U	6 J
Trichloroethene	6 U	6 U	6 U	6 J
Benzene	6 U	6 U	6 U	6 J
Dibromochloromethane	6 U	6 U	6 U	6 J
1,1,2-Trichloroethane	6 U	6 U	6 U	6 J
trans-1,3-Dichloropropene	6 U	6 U	6 U	6 J
2-Chloroethylvinylether	11 U	11 U	12 U	12 J
Bromoform	6 U	6 U	6 U	6 J
2-Hexanone	57 U	56 U	60 U	58 J
4-Methyl-2-pentanone	57 U	56 U	60 U	58 J
Tetrachloroethene	6 U	6 U	6 U	6 J
1,1,2,2-Tetrachloroethane	6 U	6 U	6 U	6 J
Toluene	6 U	2 J	6 U	6 J
Chlorobenzene	6 U	6 U	6 U	6 J
Ethylbenzene	6 U	6 U	6 U	6 J
Styrene	6 U	6 U	6 U	6 J
m/p-Xylene	6 U	6 U	6 U	6 J
o-Xylene	6 U	6 U	6 U	6 J
1,3-Dichlorobenzene	6 U	6 U	6 U	6 J

ANALYTICAL RESULTS OF SOILS (3'-27") AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID:	RB-HW- AB11-SS4	RB-HW- AB11-SS7	RB-HW- AB12-SS3	RB-HW- AB12-SS7
Time:	1040	1110	0930	1030
Date Sampled:	01/26/90	01/26/90	01/24/90	01/24/90
Date Received:	01/30/90	01/30/90	01/25/90	01/25/90
% Moisture:	14	11	16	14
Lab ID:	1643.07	1643.08	1636.01	1636.02
Matrix:	Soil	Soil	A Soil	A Soil
Parameter Volatiles	Nominal CRDL ug/kg			
1,2/1,4-Dichlorobenzene	5	6 U	6 U	6 J

Footnotes:

- B---the analyte is found in the associated blank as well as in the sample.
- D---result is calculated from a greater dilution than the primary analysis.
- J---the value reported is an estimated concentration.
- U---the compound was analyzed for, but not detected.

ANALYTICAL RESULTS OF SOILS (3'-27') AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID:	RB-HW- AB13-SS5	RB-HW- AB13-SS7	RB-HW- AB14-SS2	RB-HW- AB14-SS7
Time:	1350	1415	1410	1520
Date Sampled:	01/24/90	01/24/90	01/25/90	01/25/90
Date Received:	01/25/90	01/25/90	01/26/90	01/26/90
% Moisture:	16	6	12	10
Lab ID:	1636.03	1636.04	1637.01	1637.02
Matrix:	A Soil	A Soil	A Soil	A Soil
Parameter Volatiles	Nominal CRDL ug/kg			
Chloromethane	10	12 U	11 U	11 U
Bromomethane	10	12 U	11 U	11 U
Vinyl Chloride	10	12 U	11 U	11 U
Chloroethane	10	12 U	11 U	11 U
Methylene_Chloride	5	37 UJ	27 UJ	8 UJ
Acrolein	10	12 U	11 U	11 U
Acetone	100	100 UJ	100 UJ	100 UJ
Acrylonitrile	10	12 U	11 U	11 U
Carbon Disulfide	10	12 U	11 U	11 U
Trichlorofluoromethane	10	12 U	11 U	11 U
1,1-Dichloroethene	5	6 U	5 U	6 U
1,1-Dichloroethane	5	6 U	5 U	6 U
trans-1,2-Dichloroethene	5	6 U	5 U	6 U
Chloroform	5	6 U	5 U	6 U
1,2-Dichloroethane	5	6 U	5 U	6 U
2-Butanone	100	119 U	106 U	111 U
1,1,1-Trichloroethane	5	6 U	5 U	6 U
Carbon Tetrachloride	5	6 U	5 U	6 U
Vinyl Acetate	50	60 U	53 U	56 U
Bromodichloromethane	5	6 U	5 U	6 U

ANALYTICAL RESULTS OF SOILS (3'-27') AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW - AB13-SS5	RB-HW - AB13-SS7	RB-HW - AB14-SS2	RB-HW - AB14-SS7
Time:	1350	1415	1410	1520
Date Sampled:	01/24/90	01/24/90	01/25/90	01/25/90
Date Received:	01/25/90	01/25/90	01/26/90	01/26/90
% Moisture:	16	6	12	10
Lab ID:	1636.03	1636.04	1637.01	1637.02
Matrix:	A Soil	A Soil	A Soil	A Soil
Parameter Volatiles	Nominal CRDL ug/kg			
1,2-Dichloropropane	5	6 U	679 U	6 U
cis-1,3-Dichloropropene	5	6 U	679 U	6 U
Trichloroethene	5	6 U	679 U	6 U
Benzene	5	6 U	15000	6
Dibromochloromethane	5	6 U	679 U	6 U
1,1,2-Trichloroethane	5	6 U	679 U	6 U
trans-1,3-Dichloropropene	5	6 U	679 U	6 U
2-Chloroethylvinylether	10	12 U	1357 U	11 U
Bromoform	5	6 U	679 U	6 U
2-Hexanone	50	60 U	6786 U	56 U
4-Methyl-2-pentanone	50	60 U	6786 U	56 U
Tetrachloroethene	5	6 U	679 U	6 U
1,1,2,2-Tetrachloroethane	5	6 U	679 U	6 U
Toluene	5	6 U	679 U	6 U
Chlorobenzene	5	6 U	679 U	6 U
Ethylbenzene	5	6 U	15000	6 U
Styrene	5	6 U	679 U	6 U
m/p-Xylene	5	6 U	15000	6 U
o-Xylene	5	6 U	27000	6 U
1,3-Dichlorobenzene	5	6 U	679 U	6 U

ANALYTICAL RESULTS OF SOILS (3'-27') AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID:	RB-HW- AB13-SS5	RB-HW- AB13-SS7	RB-HW- AB14-SS2	RB-HW- AB14-SS7
Time:	1350	1415	1410	1520
Date Sampled:	01/24/90	01/24/90	01/25/90	01/25/90
Date Received:	01/25/90	01/25/90	01/26/90	01/26/90
% Moisture:	16	6	12	10
Lab ID:	1636.03	1636.04	1637.01	1637.02
Matrix:	A Soil	A Soil	A Soil	A Soil
Parameter Volatiles	Nominal CRDL ug/kg			
1,2/1,4-Dichlorobenzene	5	6 U	679 U	6 U

Footnotes:

- B--the analyte is found in the associated blank as well as in the sample.
- D--result is calculated from a greater dilution than the primary analysis.
- J--the value reported is an estimated concentration.
- U--the compound was analyzed for, but not detected.

ANALYTICAL RESULTS OF SOILS (3'-27') AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID:	RB-HW- AB15-SS3	RB-HW- AB15-SS8	RB-HW- MW4-SS2	RB-HW- MW4-SS3
Time:	1030	1150	1345	1400
Date Sampled:	01/25/90	01/25/90	01/29/90	01/29/90
Date Received:	01/26/90	01/26/90	01/30/90	01/30/90
% Moisture:	19	10	12	12
Lab ID:	1637.04	1637.05	1643.04	1643.05
Matrix:	A Soil	A Soil	Soil	Soil
Parameter	Nominal			
Volatiles	CRDL			
	ug/kg			
Chloromethane	10	11 U	11 U	11 U
Bromomethane	10	51 U	11 U	11 U
Vinyl Chloride	10	51 U	11 U	11 U
Chloroethane	10	51 U	11 U	11 U
Methylene_Chloride	5	49 UJ	42 UJ	10 UJ
Acrolein	10	51 U	11 U	11 U
Acetone	100	640	100 UJ	100 UJ
Acrylonitrile	10	51 U	11 U	11 U
Carbon Disulfide	10	51 U	11 U	11 U
Trichlorofluoromethane	10	51 U	11 U	11 U
1,1-Dichloroethene	5	26 U	6 U	6 U
1,1-Dichloroethane	5	26 U	6 U	6 U
trans-1,2-Dichloroethene	5	26 U	6 U	6 U
Chloroform	5	26 U	6 U	6 U
1,2-Dichloroethane	5	26 U	6 U	6 U
2-Butanone	100	100 UJ	100 UJ	100 UJ
1,1,1-Trichloroethane	5	26 U	6 U	6 U
Carbon Tetrachloride	5	26 U	6 U	6 U
Vinyl Acetate	50	257 U	57 U	57 U
Bromodichloromethane	5	26 U	6 U	6 U

ANALYTICAL RESULTS OF SOILS (3'-27') AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID:	RB-HW- AB15-SS3	RB-HW- AB15-SS8	RB-HW- MW4-SS2	RB-HW- MW4-SS3
Time:	1030	1150	1345	1400
Date Sampled:	01/25/90	01/25/90	01/29/90	01/29/90
Date Received:	01/26/90	01/26/90	01/30/90	01/30/90
% Moisture:	19	10	12	12
Lab ID:	1637.04	1637.05	1643.04	1643.05
Matrix:	A Soil	A Soil	Soil	Soil
Parameter Volatiles	Nominal CRDL ug/kg			
1,2-Dichloropropane	5	26 U	6 U	6 U
cis-1,3-Dichloropropene	5	26 U	6 U	6 U
Trichloroethene	5	26 U	4 J	6 U
Benzene	5	26 U	6 U	6 U
Dibromochloromethane	5	26 U	6 U	6 U
1,1,2-Trichloroethane	5	26 U	6 U	6 U
trans-1,3-Dichloropropene	5	26 U	6 U	6 U
2-Chloroethylvinylether	10	51 U	11 U	11 U
Bromoform	5	26 U	6 U	6 U
2-Hexanone	50	257 U	56 U	57 U
4-Methyl-2-pentanone	50	257 U	56 U	57 U
Tetrachloroethene	5	26 U	6 U	6 U
1,1,2,2-Tetrachloroethane	5	26 U	6 U	6 U
Toluene	5	26 U	6 U	6 U
Chlorobenzene	5	26 U	6 U	6 U
Ethylbenzene	5	250	6 U	6 U
Styrene	5	26 U	6 U	6 U
m/p-Xylene	5	26 U	6 U	6 U
o-Xylene	5	26 U	6 U	6 U
1,3-Dichlorobenzene	5	26 U	6 U	6 U

ANALYTICAL RESULTS OF SOILS (3'-27') AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID:	RB-HW- AB15-SS3	RB-HW- AB15-SS8	RB-HW- MW4-SS2	RB-HW- MW4-SS3
Time:	1030	1150	1345	1400
Date Sampled:	01/25/90	01/25/90	01/29/90	01/29/90
Date Received:	01/26/90	01/26/90	01/30/90	01/30/90
% Moisture:	19	10	12	12
Lab ID:	1637.04	1637.05	1643.04	1643.05
Matrix:	A Soil	A Soil	Soil	Soil
Parameter	Nominal			
Volatiles	CRDL ug/kg			
1,2/1,4-Dichlorobenzene	5	26 U	6 U	6 U

Footnotes:

- B-- the analyte is found in the associated blank as well as in the sample.
- D-- result is calculated from a greater dilution than the primary analysis.
- J-- the value reported is an estimated concentration.
- U-- the compound was analyzed for, but not detected.

ANALYTICAL RESULTS OF SOILS (3' - 27') AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW - MW5-SS2	RB-HW - MW5-SS3	RB-HW - MW6-SS2	RB-HW - MW6-SS3
Time:	0945	1000	1000	1030
Date Sampled:	01/31/90	01/31/90	01/30/90	01/30/90
Date Received:	02/01/90	02/01/90	01/31/90	01/31/90
% Moisture:	14	10	12	12
Lab ID:	1647.01	1647.02	1645.01	1645.02
Matrix:	Soil	Soil	Soil	Soil
Parameter	Nominal			
Volatiles	CRDL			
	ug/kg			
Chloromethane	10	1389 U	11 U	11 U
Bromomethane	10	1389 U	11 U	11 U
Vinyl Chloride	10	1389 U	11 U	59
Chloroethane	10	1389 U	11 U	11 U
Methylene_Chloride	5	1600 UJ	22 UJ	31 UJ
Acrolein	10	1389 U	11 U	11 U
Acetone	100	13889 U	100 UJ	100 UJ
Acrylonitrile	10	1389 U	11 U	11 U
Carbon Disulfide	10	1389 U	11 U	11 U
Trichlorofluoromethane	10	1389 U	11 U	11 U
1,1-Dichloroethene	5	694 U	6 U	2 J
1,1-Dichloroethane	5	694 U	6 U	6 U
trans-1,2-Dichloroethene	5	694 U	6 U	1000 D
Chloroform	5	694 U	6 U	6 U
1,2-Dichloroethane	5	694 U	6 U	6 U
2-Butanone	100	13889 U	100 UJ	100 UJ
1,1,1-Trichloroethane	5	694 U	6 U	6 U
Carbon Tetrachloride	5	694 U	6 U	6 U
Vinyl Acetate	50	6944 U	57 U	57 U
Bromodichloromethane	5	694 U	6 U	6 U

ANALYTICAL RESULTS OF SOILS (3'-27') AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW - MW5-SS2	RB-HW - MW5-SS3	RB-HW - MW6-SS2	RB-HW - MW6-SS3
Time:	0945	1000	1000	1030
Date Sampled:	01/31/90	01/31/90	01/30/90	01/30/90
Date Received:	02/01/90	02/01/90	01/31/90	01/31/90
% Moisture:	14	10	12	12
Lab ID:	1647.01	1647.02	1645.01	1645.02
Matrix:	Soil	Soil	Soil	Soil
Parameter Volatiles	Nominal CRDL ug/kg			
1,2-Dichloropropane	5	694 U	6 U	6 U
cis-1,3-Dichloropropene	5	6 U	694 U	6 U
Trichloroethene	5	6 U	694 U	40
Benzene	5	6 U	694 U	6 U
Dibromochloromethane	5	6 U	694 U	6 U
1,1,2-Trichloroethane	5	6 U	694 U	6 U
trans-1,3-Dichloropropene	5	6 U	694 U	6 U
2-Chloroethylvinylether	10	12 U	1389 U	11 U
Bromoform	5	6 U	694 U	6 U
2-Hexanone	50	58 U	6944 U	57 U
4-Methyl-2-pentanone	50	58 U	6944 U	57 U
Tetrachloroethene	5	6 U	694 U	6 U
1,1,2,2-Tetrachloroethane	5	6 U	694 U	6 U
Toluene	5	6 U	694 U	1 J
Chlorobenzene	5	6 U	694 U	6 U
Ethylbenzene	5	6 U	7400	6 U
Styrene	5	6 U	694 U	6 U
m/p-Xylene	5	6 U	1900	6 U
o-Xylene	5	6 U	7000	6 U
1,3-Dichlorobenzene	5	6 U	694 U	6 U

ANALYTICAL RESULTS OF SOILS (3' - 27') AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW - MW5-SS2	RB-HW - MW5-SS3	RB-HW - MW6-SS2	RB-HW - MW6-SS3
Time:	0945	1000	1000	1030
Date Sampled:	01/31/90	01/31/90	01/30/90	01/30/90
Date Received:	02/01/90	02/01/90	01/31/90	01/31/90
% Moisture:	14	10	12	12
Lab ID:	1647.01	1647.02	1645.01	1645.02
Matrix:	Soil	Soil	Soil	Soil
Parameter	Nominal			
Volatiles	CRDL			
	ug/kg			
1,2/1,4-Dichlorobenzene	5	694 U	6 U	6 U

Footnotes:

- B--the analyte is found in the associated blank as well as in the sample.
- D--result is calculated from a greater dilution than the primary analysis.
- J--the value reported is an estimated concentration.
- U--the compound was analyzed for, but not detected.

ANALYTICAL RESULTS OF SOILS (3' - 27') AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW - MW7-SS2	RB-HW - MW7-SS3	RB-HW - MW8-SS2	RB-HW - MW8-SS3
Time:	1310	1330	1510	1520
Date Sampled:	01/30/90	01/30/90	01/30/90	01/30/90
Date Received:	01/31/90	01/31/90	01/31/90	01/31/90
% Moisture:	15	20	13	21
Lab ID:	1645.03	1645.04	1645.05	1645.06
Matrix:	Soil	Soil	Soil	Soil
Parameter	Nominal			
Volatiles	CRDL			
	ug/kg			
Chloromethane	1365 U	13 U	11 U	13 U
Bromomethane	1365 U	13 U	11 U	13 U
Vinyl Chloride	1365 U	13 U	11 U	13 U
Chloroethane	1365 U	13 U	11 U	13 U
Methylene_Chloride	1900 UJ	8 UJ	10 UJ	100 UJ
Acrolein	1365 U	13 U	11 U	13 U
Acetone	13647 U	100 UJ	100 UJ	100 UJ
Acrylonitrile	1365 U	13 U	11 U	13 U
Carbon Disulfide	1365 U	13 U	11 U	13 U
Trichlorofluoromethane	1365 U	13 U	11 U	13 U
1,1-Dichloroethene	682 U	6 U	6 U	6 U
1,1-Dichloroethane	682 U	6 U	6 U	6 U
trans-1,2-Dichloroethene	682 U	6 U	6 U	6 U
Chloroform	682 U	6 U	6 U	6 U
1,2-Dichloroethane	682 U	6 U	6 U	6 U
2-Butanone	13647 U	100 UJ	100 UJ	100 UJ
1,1,1-Trichloroethane	86 J	6 U	6 U	6 U
Carbon Tetrachloride	682 U	6 U	6 U	6 U
Vinyl Acetate	6824 U	63 U	57 U	63 U
Bromodichloromethane	682 U	6 U	6 U	6 U

ANALYTICAL RESULTS OF SOILS (3'-27') AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID:	RB-HW- MW7-SS2	RB-HW- MW7-SS3	RB-HW- MW8-SS2	RB-HW- MW8-SS3
Time:	1310	1330	1510	1520
Date Sampled:	01/30/90	01/30/90	01/30/90	01/30/90
Date Received:	01/31/90	01/31/90	01/31/90	01/31/90
% Moisture:	15	20	13	21
Lab ID:	1645.03	1645.04	1645.05	1645.06
Matrix:	Soil	Soil	Soil	Soil
Parameter	Nominal			
Volatiles	CRDL			
	ug/kg			
1,2-Dichloropropane	682 U	6 U	6 U	6 U
cis-1,3-Dichloropropene	682 U	6 U	6 U	6 U
Trichloroethene	682 U	6 U	6 U	6 U
Benzene	2100	140	6 U	2 J
Dibromochloromethane	682 U	6 U	6 U	6 U
1,1,2-Trichloroethane	682 U	6 U	6 U	6 U
trans-1,3-Dichloropropene	682 U	6 U	6 U	6 U
2-Chloroethylether	1365 U	13 U	11 U	13 U
Bromoform	682 U	6 U	6 U	6 U
2-Hexanone	6824 U	63 U	57 U	63 U
4-Methyl-2-pentanone	6824 U	63 U	57 U	63 U
Tetrachloroethene	682 U	6 U	6 U	6 U
1,1,2,2-Tetrachloroethane	682 U	6 U	6 U	6 U
Toluene	682 U	4 J	6 U	6 U
Chlorobenzene	682 U	6 U	6 U	6 U
Ethylbenzene	980	6 U	6 U	6 U
Styrene	682 U	6 U	6 U	6 U
m/p-Xylene	1800	6 U	6 U	6 U
o-Xylene	1200	6 U	6 U	6 U
1,3-Dichlorobenzene	682 U	6 U	6 U	6 U

ANALYTICAL RESULTS OF SOILS (3'-27') AT THE HWSA RICKENBACKER ANGB--OHIO

Sample ID:

RB-HW -
MW7-SS2

RB-HW -
MW7-SS3

RB-HW -
MW8-SS2

RB-HW -
MW8-SS3

Time:

1310

1330

1510

1520

Date Sampled:

01/30/90

01/30/90

01/30/90

01/30/90

Date Received:

01/31/90

01/31/90

01/31/90

01/31/90

% Moisture:

15

20

13

21

Lab ID:

1645.03

1645.04

1645.05

1645.06

Matrix:

Soil

Soil

Soil

Soil

Parameter

Nominal

Volatiles

CRDL

ug/kg

1,2/1,4-Dichlorobenzene

5

682 U

6 U

6 U

6 U

Footnotes:

- B--the analyte is found in the associated blank as well as in the sample.
- D--result is calculated from a greater dilution than the primary analysis.
- J--the value reported is an estimated concentration.
- U--the compound was analyzed for, but not detected.

ANALYTICAL RESULTS OF SOILS (3' - 27') AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW - MW9 - SS2	RB-HW - MW9 - SS3	RB-HW - D4	RB-HW - D5
Time:	950	1000	1130	1530
Date Sampled:	02/09/90	02/09/90	01/25/90	01/25/90
Date Received:	02/13/90	02/13/90	01/26/90	01/26/90
% Moisture:	14	19	14	14
Lab ID:	1665.03	1665.04	1637.06	1637.03
Matrix:	Soil	Soil	A Soil	A Soil
Parameter Volatiles	Nominal CRDL ug/kg			
Chloromethane	10	12 U	12 U	12 U
Bromomethane	10	12 U	12 U	12 U
Vinyl Chloride	10	12 U	12 U	12 U
Chloroethane	10	12 U	12 U	12 U
Methylene_Chloride	5	8 UJ	7 UJ	10 UJ
Acrolein	10	12 U	12 U	12 U
Acetone	100	100 UJ	100 UJ	100 UJ
Acrylonitrile	10	12 U	11 U	12 U
Carbon Disulfide	10	12 U	11 U	12 U
Trichlorofluoromethane	10	12 U	11 U	12 U
1,1 - Dichloroethene	5	6 U	6 U	6 U
1,1 - Dichloroethane	5	6 U	6 U	6 U
trans - 1,2 - Dichloroethene	5	6 U	9	6 U
Chloroform	5	6 U	6 U	6 U
1,2 - Dichloroethane	5	6 U	6 U	6 U
2 - Butanone	100	6 U	115 U	116 U
1,1,1 - Trichloroethane	5	6 U	6 U	6 U
Carbon Tetrachloride	5	6 U	6 U	6 U
Vinyl Acetate	50	58 U	57 U	58 U
Bromodichloromethane	5	6 U	6 U	6 U

ANALYTICAL RESULTS OF SOILS (3'-27') AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID:	RB-HW - MW9-SS2	RB-HW - MW9-SS3	RB-HW - D4	RB-HW - D5
Time:	950	1000	1130	1530
Date Sampled:	02/09/90	02/09/90	01/25/90	01/25/90
Date Received:	02/13/90	02/13/90	01/26/90	01/26/90
% Moisture:	14	19	14	14
Lab ID:	1665.03	1665.04	1637.06	1637.03
Matrix:	Soil	Soil	Soil	Soil
Parameter	Nominal			
Volatiles	CRDL			
	ug/kg			
1,2-Dichloropropane	6 U	6 U	6 U	6 U
cis-1,3-Dichloropropene	6 U	6 U	6 U	6 U
Trichloroethene	6 U	6 U	250 D	1 J
Benzene	6 U	6 U	6 U	5 J
Dibromochloromethane	6 U	6 U	6 U	6 U
1,1,2-Trichloroethane	6 U	6 U	6 U	6 U
trans-1,3-Dichloropropene	6 U	6 U	6 U	6 U
2-Chloroethylvinylether	12 U	12 U	11 U	12 U
Bromoform	6 U	6 U	6 U	6 U
2-Hexanone	58 U	62 U	57 U	58 U
4-Methyl-2-pentanone	58 U	62 U	57 U	58 U
Tetrachloroethene	6 U	6 U	6 U	6 U
1,1,2,2-Tetrachloroethane	6 U	6 U	6 U	6 U
Toluene	6 U	6 U	6 U	8 UJ
Chlorobenzene	6 U	6 U	6 U	6 U
Ethylbenzene	6 U	6 U	6 U	6 U
Styrene	6 U	6 U	6 U	6 U
m/p-Xylene	6 U	6 U	6 U	6 U
o-Xylene	6 U	6 U	6 U	6 U
1,3-Dichlorobenzene	6 U	6 U	6 U	6 U

ANALYTICAL RESULTS OF SOILS (3'-27') AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID:	RB-HW-SS2	RB-HW-MW9-SS3	RB-HW-D4	RB-HW-D5
Time:	950	1000	1130	1530
Date Sampled:	02/09/90	02/09/90	01/25/90	01/25/90
Date Received:	02/13/90	02/13/90	01/26/90	01/26/90
% Moisture:	14	19	14	14
Lab ID:	1665.03	1665.04	1637.06	1637.03
Matrix:	Soil	Soil	A Soil	A Soil
Parameter	Nominal			
Volatiles	CRDL			
	ug/kg			
1,2/1,4-Dichlorobenzene	5	6 U	6 U	6 U

Footnotes:

- B--the analyte is found in the associated blank as well as in the sample.
- D--result is calculated from a greater dilution than the primary analysis.
- J--the value reported is an estimated concentration.
- U--the compound was analyzed for, but not detected.

ANALYTICAL RESULTS OF SOILS (3'-27') AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID:	RB-HW-D6	RB-HW-D7
Time:	1020	1320
Date Sampled:	01/30/90	01/30/90
Date Received:	01/31/90	01/31/90
% Moisture:	13	20
Lab ID:	1645.07	1645.08
Matrix:	Soil	Soil
Parameter	Nominal	
Volatiles	CRDL	
	ug/kg	
Chloromethane	10	13 U
Bromomethane	10	13 U
Vinyl Chloride	10	13 U
Chloroethane	10	13 U
Methylene_Chloride	5	9 UJ
Acrolein	10	13 U
Acetone	100	100 UJ
Acrylonitrile	10	13 U
Carbon Disulfide	10	13 U
Trichlorofluoromethane	10	1 J
1,1-Dichloroethene	5	6 U
1,1-Dichloroethane	5	1 J
trans-1,2-Dichloroethene	5	2 J
Chloroform	5	6 U
1,2-Dichloroethane	5	6 U
2-Butanone	100	100 UJ
1,1,1-Trichloroethane	5	6 U
Carbon Tetrachloride	5	6 U
Vinyl Acetate	50	63 U
Bromodichloromethane	5	6 U

ANALYTICAL RESULTS OF SOILS (3'-27') AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID:	RB-HW-D6	RB-HW-D7
Time:	1020	1320
Date Sampled:	01/30/90	01/30/90
Date Received:	01/31/90	01/31/90
% Moisture:	13	20
Lab ID:	1645.07	1645.08
Matrix:	Soil	Soil
Parameter	Nominal	
Volatiles	CRDL	
	ug/kg	
1,2-Dichloropropane	5	6 U
cis-1,3-Dichloropropene	5	6 U
Trichloroethene	5	8
Benzene	5	76
Dibromochloromethane	5	6 U
1,1,2-Trichloroethane	5	6 U
trans-1,3-Dichloropropene	5	6 U
2-Chloroethylvinylether	10	13 U
Bromoform	5	6 U
2-Hexanone	50	63 U
4-Methyl-2-pentanone	50	63 U
Tetrachloroethene	5	6 U
1,1,2,2-Tetrachloroethane	5	6 U
Toluene	5	6 U
Chlorobenzene	5	6 U
Ethylbenzene	5	6 J
Styrene	5	6 U
m/p-Xylene	5	8
o-Xylene	5	10
1,3-Dichlorobenzene	5	6 U

ANALYTICAL RESULTS OF SOILS (3' - 27') AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW-D6	RB-HW-D7
Time:	1020	1320
Date Sampled:	01/30/90	01/30/90
Date Received:	01/31/90	01/31/90
% Moisture:	13	20
Lab ID:	1645.07	1645.08
Matrix:	Soil	Soil
Parameter	Nominal	
Volatiles	CRDL	
	ug/kg	
1,2/1,4-Dichlorobenzene	5	6 U

Footnotes:

- B--the analyte is found in the associated blank as well as in the sample.
- D--result is calculated from a greater dilution than the primary analysis.
- J--the value reported is an estimated concentration.
- U--the compound was analyzed for, but not detected.

ANALYTICAL RESULTS OF SOILS (3'-27") AT THE HWSA RICKENBACKER ANGB--OHIO

Sample ID:	RB-HW-AB1-SS1	RB-HW-AB1-SS2	RB-HW-AB2-SS1	RB-HW-AB2-SS2
Time:	1000	1000	1500	1500
Date Sampled:	01/22/90	01/22/90	01/22/90	01/22/90
Date Received:	01/23/90	01/23/90	01/23/90	01/23/90
% Moisture:	15	14	13	13
Lab ID:	1630.01	1630.02	1630.03	1630.04
Matrix:	Soil	Soil	Soil	Soil
Parameter	Nominal			
Semi-Volatiles	CRDL			
N-Nitroso-Dimethylamine	330	330	330	330
Phenol	330	330	330	330
bis(2-Chloroethyl)ether	330	330	330	330
2-Chlorophenol	330	330	330	330
1,3-Dichlorobenzene	330	330	330	330
1,4-Dichlorobenzene	330	330	330	330
Benzyl Alcohol	330	330	330	330
1,2-Dichlorobenzene	330	330	330	330
2-Methylphenol	330	330	330	330
bis(2-chloroisopropyl)Ether	330	330	330	330
4-Methylphenol	330	330	330	330
N-Nitroso-Di-n-Propylamine	330	330	330	330
Hexachloroethane	330	330	330	330
Nitrobenzene	330	330	330	330
Isophorone	330	330	330	330
2-Nitrophenol	330	330	330	330
2,4-Dimethylphenol	330	330	330	330
bis(2-Chloroethoxy)methane	330	330	330	330
2,4-Dichlorophenol	330	330	330	330
Benzoic Acid	1600	1900	1800	1800
1,2,4-Trichlorobenzene	330	330	330	330

ANALYTICAL RESULTS OF SOILS (3'-27') AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID:	RB-HW-AB1-SS1	RB-HW-AB1-SS2	RB-HW-AB2-SS1	RB-HW-AB2-SS2
Time:	1000	1000	1500	1500
Date Sampled:	01/22/90	01/22/90	01/22/90	01/22/90
Date Received:	01/23/90	01/23/90	01/23/90	01/23/90
% Moisture:	15	14	13	13
Lab ID:	1630.01	1630.02	1630.03	1630.04
Matrix:	Soil	Soil	Soil	Soil
Parameter	Nominal			
Semi-Volatiles	CRDL			
Naphthalene	330 ug/kg	330	330	330
4-Chloroaniline	330	330	330	330
Hexachlorobutadiene	330	330	330	330
4-Chloro-3-Methylphenol	330	330	330	330
2-Methylnaphthalene	330	330	330	330
Hexachlorocyclopentadiene	330	330	330	330
2,4,6-Trichlorophenol	330	330	330	330
2,4,5-Trichlorophenol	1600	1900	1800	1800
2-Chloronaphthalene	330	330	330	330
2-Nitroaniline	1600	1900	1800	1800
Dimethylphthalate	330	330	330	330
Acenaphthylene	330	330	330	330
2,6-Dinitrotoluene	330	330	330	330
3-Nitroaniline	1600	1900	1800	1800
Acenaphthene	330	330	330	330
2,4-Dinitrophenol	1600	1900	1800	1800
Dibenzofuran	330	330	330	330
4-Nitrophenol	1600	1900	1800	1800
2,4-Dinitrotoluene	330	330	330	330
Fluorene	330	330	330	330
Diethylphthalate	330	330	330	1000 UJ

ANALYTICAL RESULTS OF SOILS (3' - 27') AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW- AB1- SS1	RB-HW- AB1- SS2	RB-HW- AB2- SS1	RB-HW- AB2- SS2
Time:	1000	1000	1500	1500
Date Sampled:	01/22/90	01/22/90	01/22/90	01/22/90
Date Received:	01/23/90	01/23/90	01/23/90	01/23/90
% Moisture:	15	14	13	13
Lab ID:	1630.01	1630.02	1630.03	1630.04
Matrix:	Soil	Soil	Soil	Soil
Parameter	Nominal			
Semi-Volatiles	CRDL			
4-Chlorophenyl-phenylether	ug/kg	ug/kg	ug/kg	ug/kg
4-Nitroaniline	330	330	330	330
4,6-Dinitro-2-Methylphenol	1600	1600	1600	1600
N-Nitrosodiphenylamine	330	330	330	330
4-Bromophenyl-phenylether	330	330	330	330
Hexachlorobenzene	330	330	330	330
Pentachlorophenol	1600	1600	1600	1600
Phenanthrene	330	330	330	330
Anthracene	330	330	330	330
Di-n-Butylphthalate	330	330	330	330
Fluoranthene	330	330	330	330
Pyrene	330	330	330	330
Butylbenzylphthalate	330	330	330	330
Berzo(a)Anthracene	330	330	330	330
3,3'-Dichlorobenzidine	660	660	660	660
Chrysene	330	330	330	330
bis(2-Ethylhexyl)Phthalate	330	330	330	330
Di-n-octylphthalate	330	330	330	330
Berzo(b)Fluoranthene	330	330	330	330
Berzo(k)Fluoranthene	330	330	330	330
Berzo(a)Pyrene	330	330	330	330

ANALYTICAL RESULTS OF SOILS (3'-27') AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW-AB1-SS1	RB-HW-AB1-SS2	RB-HW-AB2-SS1	RB-HW-AB2-SS2
Time:	1000	1000	1500	1500
Date Sampled:	01/22/90	01/22/90	01/22/90	01/22/90
Date Received:	01/23/90	01/23/90	01/23/90	01/23/90
% Moisture:	15	14	13	13
Lab ID:	1630.01	1630.02	1630.03	1630.04
Matrix:	Soil	Soil	Soil	Soil
Parameter	Nominal			
Semi-Volatiles	CRDL			
Indeno(1,2,3-cd)Pyrene	390 U	380 U	380 U	380 U
Dibenz(a,h)Anthracene	390 U	380 U	380 U	380 U
Benzo(g,h,i)Perylene	390 U	380 U	380 U	380 U

Footnotes:

- J--the value reported is an estimated concentration.
- U--the compound was analyzed for, but not detected.

ANALYTICAL RESULTS OF SOILS (3'-27') AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID:	RB-HW- AB3- SS1 0835 01/23/90 01/24/90 16	RB-HW- AB3- SS2 0900 01/23/90 01/24/90 12	RB-HW- AB4- SS1 1320 01/23/90 01/24/90 17	RB-HW- AB4- SS2 1340 01/23/90 01/24/90 13
Time:				
Date Sampled:				
Date Received:				
% Moisture:				
Lab ID:	1633.01	1633.02	1633.03	1633.04
Matrix:	Soil	Soil	Soil	Soil
Parameter	Nominal			
Semi-Volatiles	CRDL			
N-Nitroso-Dimethylamine	330	330	330	330
Phenol	330	330	330	330
bis(2-Chloroethyl)ether	330	330	330	330
2-Chlorophenol	330	330	330	330
1,3-Dichlorobenzene	330	330	330	330
1,4-Dichlorobenzene	330	330	330	330
Benzyl Alcohol	330	330	330	330
1,2-Dichlorobenzene	330	330	330	330
2-Methylphenol	330	330	330	330
bis(2-chloroisopropyl)Ether	330	330	330	330
4-Methylphenol	330	330	330	330
N-Nitroso-Di-n-Propylamine	330	330	330	330
Hexachloroethane	330	330	330	330
Nitrobenzene	330	330	330	330
Isophorone	330	330	330	330
2-Nitrophenol	330	330	330	330
2,4-Dimethylphenol	330	330	330	330
bis(2-Chloroethoxy)methane	330	330	330	330
2,4-Dichlorophenol	330	330	330	330
Benzoic Acid	1600	1600	1600	1600
1,2,4-Trichlorobenzene	330	330	330	330

ANALYTICAL RESULTS OF SOILS (3' - 27") AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:

RB - HW -
AB3 -
SS1RB - HW -
AB3 -
SS2RB - HW -
AB4 -
SS1RB - HW -
AB4 -
SS2

Time:

0835

0900

1320

1340

Date Sampled:

01/23/90

01/23/90

01/23/90

01/23/90

Date Received:

01/24/90

01/24/90

01/24/90

01/24/90

% Moisture:

16

12

17

13

Lab ID:

1633.01

1633.02

1633.03

1633.04

Matrix:

Soil

Soil

Soil

Soil

Nominal

Parameter

CRDL

Semi - Volatiles

ug/kg

4 - Chlorophenyl - phenylether

330

4 - Nitroaniline

1600

4,6 - Dinitro - 2 - Methylphenol

1600

N - Nitrosodiphenylamine

330

4 - Bromophenyl - phenylether

330

Hexachlorobenzene

330

Pentachlorophenol

1600

Phenanthrene

330

Anthracene

330

Di - n - Butylphthalate

330

Fluoranthene

330

Pyrene

330

Butylbenzylphthalate

330

Berzo(a)Anthracene

330

3,3' - Dichlorobenzidine

660

Chrysene

330

bis(2 - Ethylhexyl)Phthalate

330

Di - n - octylphthalate

330

Berzo(b)Fluoranthene

330

Berzo(k)Fluoranthene

330

Berzo(a)Pyrene

330

ANALYTICAL RESULTS OF SOILS (3'-27') AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID:	RB-HW-AB3-SS1	RB-HW-AB3-SS2	RB-HW-AB4-SS1	RB-HW-AB4-SS2
Time:	0835	0900	1320	1340
Date Sampled:	01/23/90	01/23/90	01/23/90	01/23/90
Date Received:	01/24/90	01/24/90	01/24/90	01/24/90
% Moisture:	16	12	17	13
Lab ID:	1633.01	1633.02	1633.03	1633.04
Matrix:	Soil	Soil	Soil	Soil
Parameter	Nominal			
Semi-Volatiles	CRDL			
Indeno(1,2,3-cd)Pyrene	ug/kg			
Dibenz(a,h)Anthracene	330	380 U	400 U	380 U
Benzo(g,h,i)Perylene	330	380 U	400 U	380 U
	330	380 U	400 U	380 U

Footnotes:

J-- the value reported is an estimated concentration.

U-- the compound was analyzed for, but not detected.

ANALYTICAL RESULTS OF SOILS (3'-27') AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID:	RB-HW- AB5- SS1 1430 01/22/90 01/23/90 11	RB-HW- AB5- SS2 1430 01/22/90 01/23/90 13	RB-HW- AB6- SS1 1100 01/23/90 01/24/90 13	RB-HW- AB6- SS2 1115 01/23/90 01/24/90 17
Time:				
Date Sampled:				
Date Received:				
% Moisture:				
Lab ID:	1630.05	1630.06	1633.05	1633.06
Matrix:	Soil	Soil	Soil	Soil
Parameter	Nominal			
Semi-Volatiles	CRDL			
N-Nitroso-Dimethylamine	ug/kg			
Phenol	330	330	330	330
bis(2-Chloroethyl)ether	330	330	330	330
2-Chlorophenol	330	330	330	330
1,3-Dichlorobenzene	330	330	330	330
1,4-Dichlorobenzene	330	330	330	330
Benzyl Alcohol	330	330	330	330
1,2-Dichlorobenzene	330	330	330	330
2-Methylphenol	330	330	330	330
bis(2-chloroisopropyl)Ether	330	330	330	330
4-Methylphenol	330	330	330	330
N-Nitroso-Di-n-Propylamine	330	330	330	330
Hexachloroethane	330	330	330	330
Nitrobenzene	330	330	330	330
Isophorone	330	330	330	330
2-Nitrophenol	330	330	330	330
2,4-Dimethylphenol	330	330	330	330
bis(2-Chloroethoxy)methane	330	330	330	330
2,4-Dichlorophenol	330	330	330	330
Benzoic Acid	1600	1600	1600	1600
1,2,4-Trichlorobenzene	330	330	330	330

ANALYTICAL RESULTS OF SOILS (3'-27") AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID:	RB-HW-AB5-SS1	RB-HW-AB5-SS2	RB-HW-AB6-SS2
Time:	1430	1430	1115
Date Sampled:	01/22/90	01/22/90	01/23/90
Date Received:	01/23/90	01/23/90	01/24/90
% Moisture:	11	13	17
Lab ID:	1630.05	1630.06	1633.06
Matrix:	Soil	Soil	Soil
Parameter	Nominal		
Semi-Volatiles	CRDL		
Naphthalene	ug/kg		
4-Chloroaniline	330	370 U	400 U
Hexachlorobutadiene	330	370 U	400 U
4-Chloro-3-Methylphenol	330	370 U	400 U
2-Methylnaphthalene	330	370 U	400 U
Hexachlorocyclopentadiene	330	370 U	400 U
2,4,6-Trichlorophenol	330	370 U	400 U
2,4,5-Trichlorophenol	1600	1800 U	1900 U
2-Chloronaphthalene	330	370 U	400 U
2-Nitroaniline	1600	1800 U	1900 U
Dimethylphthalate	330	370 U	400 U
Acenaphthylene	330	370 U	400 U
2,6-Dinitrotoluene	330	370 U	400 U
3-Nitroaniline	1600	1800 U	1900 U
Acenaphthene	330	370 U	400 U
2,4-Dinitrophenol	1600	1800 U	1900 U
Dibenzofuran	330	370 U	400 U
4-Nitrophenol	1600	1800 U	1900 U
2,4-Dinitrotoluene	330	370 U	400 U
Fluorene	330	370 U	400 U
Diethylphthalate	330	370 U	400 U

ANALYTICAL RESULTS OF SOILS (3'-27') AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID:	RB-HW-AB5-SS1	RB-HW-AB5-SS2	RB-HW-AB6-SS1	RB-HW-AB6-SS2
Time:	1430	1430	1100	1115
Date Sampled:	01/22/90	01/22/90	01/23/90	01/23/90
Date Received:	01/23/90	01/23/90	01/24/90	01/24/90
% Moisture:	11	13	13	17
Lab ID:	1630.05	1630.06	1633.05	1633.06
Matrix:	Soil	Soil	Soil	Soil
Parameter	Nominal			
Semi-Volatiles	CRDL			
4-Chlorophenyl-phenylether	330	330	380 U	400 U
4-Nitroaniline	1600	1800 U	1800 U	1900 U
4,6-Dinitro-2-Methylphenol	1600	1800 U	1800 U	1900 U
N-Nitrosodiphenylamine	330	370 U	380 U	400 U
4-Bromophenyl-phenylether	330	370 U	380 U	400 U
Hexachlorobenzene	330	370 U	380 U	400 U
Pentachlorophenol	1600	1800 U	1800 U	1900 U
Phenanthrene	330	370 U	380 U	400 U
Anthracene	330	370 U	380 U	400 U
Di-n-Butylphthalate	330	370 U	380 U	400 U
Fluoranthene	330	370 U	380 U	400 U
Pyrene	330	370 U	380 U	400 U
Butylbenzylphthalate	330	370 U	380 U	400 U
Benzo(a)Anthracene	330	370 U	380 U	400 U
3,3'-Dichlorobenzidine	660	740 U	760 U	800 U
Chrysene	330	370 U	380 U	400 U
bis(2-Ethylhexyl)Phthalate	330	370 U	380 U	400 U
Di-n-octylphthalate	330	370 U	380 U	400 U
Benzo(b)Fluoranthene	330	370 U	380 U	400 U
Benzo(k)Fluoranthene	330	370 U	380 U	400 U
Benzo(a)Pyrene	330	370 U	380 U	400 U

ANALYTICAL RESULTS OF SOILS (3'-27") AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW - AB5 - SS1 1430	RB-HW - AB5 - SS2 1430	RB-HW - AB6 - SS1 1100	RB-HW - AB6 - SS2 1115
Time:	01/22/90	01/22/90	01/23/90	01/23/90
Date Sampled:	01/23/90	01/23/90	01/24/90	01/24/90
Date Received:	11	13	13	17
% Moisture:				
Lab ID:	1630.05	1630.06	1633.05	1633.06
Matrix:	Soil	Soil	Soil	Soil
Parameter	Nominal			
Semi - Volatiles	CRDL			
Indeno(1,2,3-cd)Pyrene	370 U	380 U	380 U	400 U
Dibenz(a,h)Anthracene	370 U	380 U	380 U	400 U
Benzo(g,h,i)Perylene	370 U	380 U	380 U	400 U

Footnotes:

- J-- the value reported is an estimated concentration.
- U-- the compound was analyzed for, but not detected.

ANALYTICAL RESULTS OF SOILS (3'-27') AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW-- AB7-- SS1 1400	RB-HW-- AB7-- SS2 1410	RB-HW-- AB8-- SS1 1320	RB-HW-- AB8-- SS2 1320
Time:	01/23/90	01/23/90	01/22/90	01/22/90
Date Sampled:	01/24/90	01/24/90	01/23/90	01/23/90
Date Received:	18	13	12	15
% Moisture:				
Lab ID:	1633.07	1633.08	1630.07	1630.08
Matrix:	Soil	Soil	Soil	Soil
Parameter	Nominal			
Semi-Volatiles	CRDL			
Naphthalene	400 U	380 U	380 U	390 U
4-Chloroaniline	400 U	380 U	380 U	390 U
Hexachlorobutadiene	400 U	380 U	380 U	390 U
4-Chloro-3-Methylphenol	400 U	380 U	380 U	390 U
2-Methylnaphthalene	400 U	380 U	380 U	390 U
Hexachlorocyclopentadiene	400 U	380 U	380 U	390 U
2,4,6-Trichlorophenol	400 U	380 U	380 U	390 U
2,4,5-Trichlorophenol	2000 U	1800 U	1800 U	1900 U
2-Chloronaphthalene	400 U	380 U	380 U	390 U
2-Nitroaniline	2000 U	1800 U	1800 U	1900 U
Dimethylphthalate	400 U	380 U	380 U	390 U
Acenaphthylene	400 U	380 U	380 U	390 U
2,6-Dinitrotoluene	400 U	380 U	380 U	390 U
3-Nitroaniline	2000 U	1800 U	1800 U	1900 U
Acenaphthene	400 U	380 U	380 U	390 U
2,4-Dinitrophenol	2000 U	1800 U	1800 U	1900 U
Dibenzofuran	400 U	380 U	380 U	390 U
4-Nitrophenol	2000 U	1800 U	1800 U	1900 U
2,4-Dinitrotoluene	400 U	380 U	380 U	390 U
Fluorene	400 U	380 U	380 U	390 U
Diethylphthalate	400 U	380 U	380 UJ	390 UJ

ANALYTICAL RESULTS OF SOILS (3'-27') AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW - AB7 - SS1 1400	RB-HW - AB7 - SS2 1410	RB-HW - AB8 - SS1 1320	RB-HW - AB8 - SS2 1320
Time:	01/23/90	01/23/90	01/22/90	01/22/90
Date Sampled:	01/24/90	01/24/90	01/23/90	01/23/90
Date Received:	18	13	12	15
% Moisture:				
Lab ID:	1633.07	1633.08	1630.07	1630.08
Matrix:	Soil	Soil	Soil	Soil
Parameter	Nominal			
Semi - Volatiles	CRDL			
4-Chlorophenyl-phenylether	400 U	380 U	380 U	390 U
4-Nitroaniline	2000 U	1800 U	1800 U	1900 U
4,6-Dinitro-2-Methylphenol	2000 U	1800 U	1800 U	1900 U
N-Nitrosodiphenylamine	400 U	380 U	380 U	390 U
4-Bromophenyl-phenylether	400 U	380 U	380 U	390 U
Hexachlorobenzene	400 U	380 U	380 U	390 U
Pentachlorophenol	2000 U	1800 U	1800 U	1900 U
Phenanthrene	400 U	380 U	380 U	390 U
Anthracene	400 U	380 U	380 U	390 U
Di-n-Butylphthalate	400 U	380 U	380 U	390 U
Fluoranthene	400 U	380 U	380 U	390 U
Pyrene	400 U	380 U	380 U	390 U
Butylbenzylphthalate	400 U	380 U	380 U	390 U
Berzo(a)Anthracene	400 U	380 U	380 U	390 U
3,3'-Dichlorobenzidine	800 U	760 U	750 U	780 U
Chrysene	400 U	380 U	380 U	390 U
bis(2-Ethylhexyl)Phthalate	400 U	380 U	380 U	390 U
Di-n-octylphthalate	400 U	380 U	380 U	390 U
Berzo(b)Fluoranthene	400 U	380 U	380 U	390 U
Berzo(k)Fluoranthene	400 U	380 U	380 U	390 U
Berzo(a)Pyrene	400 U	380 U	380 U	390 U

ANALYTICAL RESULTS OF SOILS (3' - 27') AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW - AB7 - SS1 1400 01/23/90 01/24/90 18	RB-HW - AB7 - SS2 1410 01/23/90 01/24/90 13	RB-HW - AB8 - SS1 1320 01/22/90 01/23/90 12	RB-HW - AE8 - SS2 1320 01/22/90 01/23/90 15
Time:				
Date Sampled:				
Date Received:				
% Moisture:				
Lab ID:	1633.07	1633.08	1630.07	1630.08
Matrix:	Soil	Soil	Soil	Soil
Parameter	Nominal			
Semi-Volatiles	CRDL			
Indeno(1,2,3-cd)Pyrene	ug/kg			
Dibenz(a,h)Anthracene	330	380 U	380 U	390 U
Berzo(g,h,i)Perylene	330	380 U	380 U	390 U
	330	380 U	380 U	390 U

Footnotes:

- J-- the value reported is an estimated concentration.
- U-- the compound was analyzed for, but not detected.

ANALYTICAL RESULTS OF SOILS (3'-27') AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID:	RB-HW-AB9-SS1	RB-HW-AB9-SS2	RB-HW-AB10-SS2
Time:	1040	1040	0945
Date Sampled:	01/23/90	01/23/90	01/23/90
Date Received:	01/24/90	01/24/90	01/24/90
% Moisture:	17	17	16
Lab ID:	1633.09	1633.10	1633.12
Matrix:	Soil	Soil	Soil
Parameter	Nominal		
Semi-Volatiles	CRDL		
N-Nitroso-Dimethylamine	ug/kg		
Phenol	330	400 U	390 U
bis(2-Chloroethyl)ether	330	400 U	390 U
2-Chlorophenol	330	400 U	390 U
1,3-Dichlorobenzene	330	400 U	390 U
1,4-Dichlorobenzene	330	400 U	390 U
Benzyl Alcohol	330	400 U	390 U
1,2-Dichlorobenzene	330	400 U	390 U
2-Methylphenol	330	400 U	390 U
bis(2-chloroisopropyl)Ether	330	400 U	390 U
4-Methylphenol	330	400 U	390 U
N-Nitroso-Di-n-Propylamine	330	400 U	390 U
Hexachloroethane	330	400 U	390 U
Nitrobenzene	330	400 U	390 U
Isophorone	330	400 U	390 U
2-Nitrophenol	330	400 U	390 U
2,4-Dimethylphenol	330	400 U	390 U
bis(2-Chloroethoxy)methane	330	400 U	390 U
2,4-Dichlorophenol	330	400 U	390 U
Benzoic Acid	1600	1900 U	1900 U
1,2,4-Trichlorobenzene	330	400 U	390 U

ANALYTICAL RESULTS OF SOILS (3'-27") AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID:	RB-HW-AB9-SS1	RB-HW-AB9-SS2	RB-HW-AB10-SS1	RB-HW-AB10-SS2
Time:	1040	1040	0930	0945
Date Sampled:	01/23/90	01/23/90	01/23/90	01/23/90
Date Received:	01/24/90	01/24/90	01/24/90	01/24/90
% Moisture:	17	17	16	16
Lab ID:	1633.09	1633.10	1633.11	1633.12
Matrix:	Soil	Soil	Soil	Soil
Parameter	Nominal			
Semi-Volatiles	CRDL			
Naphthalene	400 U	400 U	390 U	390 U
4-Chloroaniline	400 U	400 U	390 U	390 U
Hexachlorobutadiene	400 U	400 U	390 U	390 U
4-Chloro-3-Methylphenol	400 U	400 U	390 U	390 U
2-Methylnaphthalene	400 U	400 U	390 U	390 U
Hexachlorocyclopentadiene	400 U	400 U	390 U	390 U
2,4,6-Trichlorophenol	400 U	400 U	390 U	390 U
2,4,5-Trichlorophenol	1900 U	1900 U	1900 U	1900 U
2-Chloronaphthalene	400 U	400 U	390 U	390 U
2-Nitroaniline	1900 U	1900 U	1900 U	1900 U
Dimethylphthalate	400 U	400 U	390 U	390 U
Acenaphthylene	400 U	400 U	390 U	390 U
2,6-Dinitrotoluene	400 U	400 U	390 U	390 U
3-Nitroaniline	1900 U	1900 U	1900 U	1900 U
Acenaphthene	400 U	400 U	390 U	390 U
2,4-Dinitrophenol	1900 U	1900 U	1900 U	1900 U
Dibenzofuran	400 U	400 U	390 U	390 U
4-Nitrophenol	1900 U	1900 U	1900 U	1900 U
2,4-Dinitrotoluene	400 U	400 U	390 U	390 U
Fluorene	400 U	400 U	390 U	390 U
Diethylphthalate	400 U	400 U	390 U	390 U

ANALYTICAL RESULTS OF SOILS (3'-27") AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID:	RB-HW-AB9-SS1	RB-HW-AB9-SS2	RB-HW-AB10-SS1	RB-HW-AB10-SS2
Time:	1040	1040	0930	0945
Date Sampled:	01/23/90	01/23/90	01/23/90	01/23/90
Date Received:	01/24/90	01/24/90	01/24/90	01/24/90
% Moisture:	17	17	16	16
Lab ID:	1633.09	1633.10	1633.11	1633.12
Matrix:	Soil	Soil	Soil	Soil
Parameter	Nominal			
Semi-Volatiles	CRDL			
4-Chlorophenyl-phenylether	400 U	400 U	390 U	390 U
4-Nitroaniline	1900 U	1900 U	1900 U	1900 U
4,6-Dinitro-2-Methylphenol	1900 U	1900 U	1900 U	1900 U
N-Nitrosodiphenylamine	330	400 U	390 U	390 U
4-Bromophenyl-phenylether	330	400 U	390 U	390 U
Hexachlorobenzene	330	400 U	390 U	390 U
Pentachlorophenol	1600	1900 U	1900 U	1900 U
Phenanthrene	330	400 U	390 U	390 U
Anthracene	330	400 U	390 U	390 U
Di-n-Butylphthalate	330	400 U	390 U	390 U
Fluoranthene	330	400 U	390 U	390 U
Pyrene	330	400 U	390 U	390 U
Butylbenzylphthalate	330	400 U	390 U	390 U
Benzo(a)Anthracene	330	400 U	390 U	390 U
3,3'-Dichlorobenzidine	660	800 U	790 U	790 U
Chrysene	330	400 U	390 U	390 U
ble(2-Ethylhexyl)Phthalate	330	400 U	390 U	390 U
Di-n-octylphthalate	330	400 U	390 U	390 U
Benzo(b)Fluoranthene	330	400 U	390 U	390 U
Benzo(k)Fluoranthene	330	400 U	390 U	390 U
Benzo(a)Pyrene	330	400 U	390 U	390 U

ANALYTICAL RESULTS OF SOILS (3'-27') AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID:	RB-HW-AB9-SS1	RB-HW-AB9-SS2	RB-HW-AB10-SS1	RB-HW-AB10-SS2
Time:	1040	1040	0930	0945
Date Sampled:	01/23/90	01/23/90	01/23/90	01/23/90
Date Received:	01/24/90	01/24/90	01/24/90	01/24/90
% Moisture:	17	17	16	16
Lab ID:	1633.09	1633.10	1633.11	1633.12
Matrix:	Soil	Soil	Soil	Soil
Parameter	Nominal			
Semi-Volatiles	CRDL			
Indeno(1,2,3-cd)Pyrene	400 U	400 U	390 U	390 U
Dibenz(a,h)Anthracene	400 U	400 U	390 U	390 U
Benzo(g,h,i)Perylene	400 U	400 U	390 U	390 U

Footnotes:

J--the value reported is an estimated concentration.
 U--the compound was analyzed for, but not detected.

ANALYTICAL RESULTS OF SOILS (3'-27') AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW - AB11-SS4	RB-HW - AB11-SS7	RB-HW - AB12-SS3	RB-HW - AB12-SS7
Time:	1040	1110	0930	1030
Date Sampled:	01/26/90	01/26/90	01/24/90	01/24/90
Date Received:	01/30/90	01/30/90	01/25/90	01/25/90
% Moisture:	14	11	16	14
Lab ID:	1643.07	1643.08	1636.01	1636.02
Matrix:	Soil	Soil	A Soil	A Soil
Parameter	Nominal			
Semi - Volatiles	CRDL			
N-Nitroso - Dimethylamine	ug/kg			
Phenol	330	330	330	330
bis(2-Chloroethyl)ether	330	330	330	330
2-Chlorophenol	330	330	330	330
1,3-Dichlorobenzene	330	330	330	330
1,4-Dichlorobenzene	330	330	330	330
Benzyl Alcohol	330	330	330	330
1,2-Dichlorobenzene	330	330	330	330
2-Methylphenol	330	330	330	330
bis(2-chloroisopropyl)Ether	330	330	330	330
4-Methylphenol	330	330	330	330
N-Nitroso - Di-n-Propylamine	330	330	330	330
Hexachloroethane	330	330	330	330
Nitrobenzene	330	330	330	330
Isophorone	330	330	330	330
2-Nitrophenol	330	330	330	330
2,4-Dimethylphenol	330	330	330	330
bis(2-Chloroethoxy)methane	330	330	330	330
2,4-Dichlorophenol	330	330	330	330
Benzoic Acid	1600	1800	1900	1900
1,2,4-Trichlorobenzene	330	330	330	330

ANALYTICAL RESULTS OF SOILS (3' - 27") AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW - AB11-SS4	RB-HW - AB11-SS7	RB-HW - AB12-SS3	RB-HW - AB12-SS7
Time:	1040	1110	0930	1030
Date Sampled:	01/26/90	01/26/90	01/24/90	01/24/90
Date Received:	01/30/90	01/30/90	01/25/90	01/25/90
% Moisture:	14	11	16	14
Lab ID:	1643.07	1643.08	1636.01	1636.02
Matrix:	Soil	Soil	A Soil	A Soil
Parameter	Nominal CRDL ug/kg			
Semi - Volatiles	330			
Naphthalene	330	370 U	390 U	380 U
4 - Chloroaniline	330	370 U	390 U	380 U
Hexachlorobutadiene	330	370 U	390 U	380 U
4 - Chloro - 3 - Methylphenol	330	370 U	390 U	380 U
2 - Methyl-naphthalene	330	370 U	390 U	380 U
Hexachlorocyclopentadiene	330	370 U	390 U	380 U
2,4,6 - Trichlorophenol	330	370 U	390 U	380 U
2,4,5 - Trichlorophenol	1600	1800 U	1900 U	1900 U
2 - Chloronaphthalene	330	370 U	390 U	380 U
2 - Nitroaniline	1600	1800 U	1900 U	1900 U
Dimethylphthalate	330	370 U	390 U	380 U
Acenaphthylene	330	370 U	390 U	380 U
2,6 - Dinitrotoluene	330	370 U	390 U	380 U
3 - Nitroaniline	1600	1800 U	1900 U	1900 U
Acenaphthene	330	370 U	390 U	380 U
2,4 - Dinitrophenol	1600	1800 U	1900 U	1900 U
Dibenzofuran	330	370 U	390 U	380 U
4 - Nitrophenol	1600	1800 U	1900 U	1900 U
2,4 - Dinitrotoluene	330	370 U	390 U	380 U
Fluorene	330	370 U	390 U	380 U
Diethylphthalate	330	370 U	390 U	380 U

ANALYTICAL RESULTS OF SOILS (3'-27") AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW - AB11-SS4	RB-HW - AB11-SS7	RB-HW - AB12-SS3	RB-HW - AB12-SS7
Time:	1040	1110	0930	1030
Date Sampled:	01/26/90	01/26/90	01/24/90	01/24/90
Date Received:	01/30/90	01/30/90	01/25/90	01/25/90
% Moisture:	14	11	16	14
Lab ID:	1643.07	1643.08	1636.01	1636.02
Matrix:	Soil	Soil	A Soil	A Soil
Parameter	Nominal			
Semi - Volatiles	CRDL			
ug/kg				
4-Chlorophenyl-phenylether	380 U	370 U	390 U	380 U
4-Nitroaniline	1900 U	1800 U	1900 U	1900 U
4,6-Dinitro-2-Methylphenol	1900 U	1800 U	1900 U	1900 U
N-Nitrosodiphenylamine	380 U	370 U	390 U	380 U
4-Bromophenyl-phenylether	380 U	370 U	390 U	380 U
Hexachlorobenzene	380 U	370 U	390 U	380 U
Pentachlorophenol	1900 U	1800 U	1900 U	1900 U
Phenanthrene	380 U	370 U	390 U	380 U
Anthracene	380 U	370 U	390 U	380 U
Di-n-Butylphthalate	380 U	370 U	390 U	380 U
Fluoranthene	380 U	370 U	390 U	380 U
Pyrene	380 U	370 U	390 U	380 U
Butylbenzylphthalate	380 U	370 U	390 U	380 U
Benzo(a)Anthracene	380 U	370 U	390 U	380 U
3,3'-Dichlorobenzidine	770 U	740 U	790 U	770 U
Chrysene	380 U	370 U	390 U	380 U
bis(2-Ethylhexyl)Phthalate	380 U	370 U	390 U	380 U
Di-n-octylphthalate	380 U	370 U	390 U	380 U
Benzo(b)Fluoranthene	380 U	370 U	390 U	380 U
Benzo(k)Fluoranthene	380 U	370 U	390 U	380 U
Benzo(a)Pyrene	380 U	370 U	390 U	380 U

ANALYTICAL RESULTS OF SOILS (3'-27") AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID:	RB-HW- AB11-SS4	RB-HW- AB11-SS7	RB-HW- AB12-SS3	RB-HW- AB12-SS7
Time:	1040	1110	0930	1030
Date Sampled:	01/26/90	01/26/90	01/24/90	01/24/90
Date Received:	01/30/90	01/30/90	01/25/90	01/25/90
% Moisture:	14	11	16	14
Lab ID:	1643.07	1643.08	1636.01	1636.02
Matrix:	Soil	Soil	A Soil	A Soil
Parameter	Nominal			
Semi-Volatiles	CRDL			
Indeno(1,2,3-cd)Pyrene	ug/kg			
Dibenz(a,h)Anthracene	330	370 U	390 U	380 U
Benzo(g,h,i)Perylene	330	370 U	390 U	380 U
	330	370 U	390 U	380 U

Footnotes:

J--the value reported is an estimated concentration.

U--the compound was analyzed for, but not detected.

ANALYTICAL RESULTS OF SOILS (3'-27') AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID:	RB-HW - AB13-SS5	RB-HW - AB13-SS7	RB-HW - AB14-SS2	RB-HW - AB14-SS7
Time:	1350	1415	1410	1520
Date Sampled:	01/24/90	01/24/90	01/25/90	01/25/90
Date Received:	01/25/90	01/25/90	01/26/90	01/26/90
% Moisture:	16	6	12	10
Lab ID:	1636.03	1636.04	1637.01	1637.02
Matrix:	A Soil	A Soil	A Soil	A Soil
Parameter	Nominal CRDL ug/kg			
Semi - Volatiles	330			
N-Nitroso - Dimethylamine	330			
Phenol	330	350 U	380 U	370 U
bis(2-Chloroethyl)ether	330	350 U	380 U	370 U
2-Chlorophenol	330	350 U	380 U	370 U
1,3-Dichlorobenzene	330	350 U	380 U	370 U
1,4-Dichlorobenzene	330	350 U	380 U	370 U
Benzyl Alcohol	330	350 U	380 U	370 U
1,2-Dichlorobenzene	330	350 U	380 U	370 U
2-Methylphenol	330	350 U	380 U	370 U
bis(2-chloroisopropyl)Ether	330	350 U	380 U	370 U
4-Methylphenol	330	350 U	380 U	370 U
N-Nitroso - Di-n-Propylamine	330	350 U	380 U	370 U
Hexachloroethane	330	350 U	380 U	370 U
Nitrobenzene	330	350 U	380 U	370 U
Isophorone	330	350 U	380 U	370 U
2-Nitrophenol	330	350 U	380 U	370 U
2,4-Dimethylphenol	330	350 U	380 U	370 U
bis(2-Chloroethoxy)methane	330	350 U	380 U	370 U
2,4-Dichlorophenol	330	350 U	380 U	370 U
Benzoic Acid	1600	1700 U	1800 U	1800 U
1,2,4-Trichlorobenzene	330	350 U	380 U	370 U

ANALYTICAL RESULTS OF SOILS (3'-27') AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID:	RB-HW - AB13-SS5	RB-HW - AB13-SS7	RB-HW - AB14-SS2	RB-HW - AB14-SS7
Time:	1350	1415	1410	1520
Date Sampled:	01/24/90	01/24/90	01/25/90	01/25/90
Date Received:	01/25/90	01/25/90	01/26/90	01/26/90
% Moisture:	16	6	12	10
Lab ID:	1636.03	1636.04	1637.01	1637.02
Matrix:	A Soil	A Soil	A Soil	A Soil
Parameter	Nominal CRDL			
Semi-Volatiles	ug/kg			
Naphthalene	330	330	330	330
4-Chloroaniline	330	330	330	330
Hexachlorobutadiene	330	330	330	330
4-Chloro-3-Methylphenol	330	330	330	330
2-Methylnaphthalene	330	330	330	330
Hexachlorocyclopentadiene	330	330	330	330
2,4,6-Trichlorophenol	330	330	330	330
2,4,5-Trichlorophenol	1600	1700	1800	1800
2-Chloronaphthalene	330	330	330	330
2-Nitroaniline	1600	1700	1800	1800
Dimethylphthalate	330	330	330	330
Acenaphthylene	330	330	330	330
2,6-Dinitrotoluene	330	330	330	330
3-Nitroaniline	1600	1700	1800	1800
Acenaphthene	330	330	330	330
2,4-Dinitrophenol	1600	1700	1800	1800
Dibenzofuran	330	330	330	330
4-Nitrophenol	1600	1700	1800	1800
2,4-Dinitrotoluene	330	330	330	330
Fluorene	330	330	330	330
Diethylphthalate	330	330	330	330

ANALYTICAL RESULTS OF SOILS (3'-27') AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID:	RB-HW- AB13-SS5	RB-HW- AB13-SS7	RB-HW- AB14-SS2	RB-HW- AB14-SS7
Time:	1350	1415	1410	1520
Date Sampled:	01/24/90	01/24/90	01/25/90	01/25/90
Date Received:	01/25/90	01/25/90	01/26/90	01/26/90
% Moisture:	16	6	12	10
Lab ID:	1636.03	1636.04	1637.01	1637.02
Matrix:	A Soil	A Soil	A Soil	A Soil
Parameter	Nominal	CRDL	ug/kg	
Semi-Volatiles				
4-Chlorophenyl-phenylether	330	390 U	350 U	370 U
4-Nitroaniline	1600	1900 U	1700 U	1800 U
4,6-Dinitro-2-Methylphenol	1600	1900 U	1700 U	1800 U
N-Nitrosodiphenylamine	330	390 U	350 U	370 U
4-Bromophenyl-phenylether	330	390 U	350 U	370 U
Hexachlorobenzene	330	390 U	350 U	370 U
Pentachlorophenol	1600	1900 U	1700 U	1800 U
Phenanthrene	330	390 U	350 U	370 U
Anthracene	330	390 U	350 U	370 U
Di-n-Butylphthalate	330	390 U	350 U	370 U
Fluoranthene	330	390 U	350 U	370 U
Pyrene	330	390 U	350 U	370 U
Butylbenzylphthalate	330	390 U	350 U	370 U
Benzo(a)Anthracene	330	390 U	350 U	370 U
3,3'-Dichlorobenzidine	660	790 U	700 U	730 U
Chrysene	330	390 U	350 U	370 U
bis(2-Ethylhexyl)Phthalate	330	390 U	350 U	370 U
Di-n-octylphthalate	330	390 U	350 U	370 U
Benzo(b)Fluoranthene	330	390 U	350 U	370 U
Benzo(k)Fluoranthene	330	390 U	350 U	370 U
Benzo(a)Pyrene	330	390 U	350 U	370 U

ANALYTICAL RESULTS OF SOILS (3'-27') AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW- AB13-SS5	RB-HW- AB13-SS7	RB-HW- AB14-SS2	RB-HW- AB14-SS7
Time:	1350	1415	1410	1520
Date Sampled:	01/24/90	01/24/90	01/25/90	01/25/90
Date Received:	01/25/90	01/25/90	01/26/90	01/26/90
% Moisture:	16	6	12	10
Lab ID:	1636.03	1636.04	1637.01	1637.02
Matrix:	A Soil	A Soil	A Soil	A Soil
Parameter	Nominal			
Semi - Volatiles	CRDL			
Indeno(1,2,3-cd)Pyrene	330	330	330	330
Dibenz(a,h)Anthracene	330	330	330	330
Benzo(g,h,i)Perylene	330	330	330	330
	390 U	350 U	380 U	370 U
	390 U	350 U	380 U	370 U
	390 U	350 U	380 U	370 U

Footnotes:

- J-- the value reported is an estimated concentration.
- U-- the compound was analyzed for, but not detected.

ANALYTICAL RESULTS OF SOILS (3' - 27") AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW-AB15-SS3	RB-HW-AB15-SS8	RB-HW-MW4-SS2	RB-HW-MW4-SS3
Time:	1030	1150	1345	1400
Date Sampled:	01/25/90	01/25/90	01/29/90	01/29/90
Date Received:	01/26/90	01/26/90	01/30/90	01/30/90
% Moisture:	19	10	12	12
Lab ID:	1637.04	1637.05	1643.04	1643.05
Matrix:	A Soil	A Soil	Soil	Soil
Parameter				
Semi-Volatiles				
N-Nitroso-Dimethylamine				
Phenol	410 U	370 U	380 U	380 U
bis(2-Chloroethyl)ether	410 U	370 U	380 U	380 U
2-Chlorophenol	410 U	370 U	380 U	380 U
1,3-Dichlorobenzene	410 U	370 U	380 U	380 U
1,4-Dichlorobenzene	410 U	370 U	380 U	380 U
Benzyl Alcohol	410 U	370 U	380 U	380 U
1,2-Dichlorobenzene	410 U	370 U	380 U	380 U
2-Methylphenol	410 U	370 U	380 U	380 U
bis(2-chloroisopropyl)Ether	410 U	370 U	380 U	380 U
4-Methylphenol	410 U	370 U	380 U	380 U
N-Nitroso-Di-n-Propylamine	410 U	370 U	380 U	380 U
Hexachloroethane	410 U	370 U	380 U	380 U
Nitrobenzene	410 U	370 U	380 U	380 U
Isophorone	410 U	370 U	380 U	380 U
2-Nitrophenol	410 U	370 U	380 U	380 U
2,4-Dimethylphenol	410 U	370 U	380 U	380 U
bis(2-Chloroethoxy)methane	410 U	370 U	380 U	380 U
2,4-Dichlorophenol	410 U	370 U	380 U	380 U
Benzoic Acid	2000 U	1800 U	1800 U	1800 U
1,2,4-Trichlorobenzene	410 U	370 U	380 U	380 U

ANALYTICAL RESULTS OF SOILS (3'-27') AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW - AB15-SS3	RB-HW - AB15-SS8	RB-HW - MW4-SS2	RB-HW - MW4-SS3
Time:	1030	1150	1345	1400
Date Sampled:	01/25/90	01/25/90	01/29/90	01/29/90
Date Received:	01/26/90	01/26/90	01/30/90	01/30/90
% Moisture:	19	10	12	12
Lab ID:	1637.04	1637.05	1643.04	1643.05
Matrbx:	A Soil	A Soil		Soil
Parameter	Nominal			
Semi-Volatiles	CRDL			
Naphthalene	ug/kg			
4-Chloroaniline	330	410 U	370 U	380 U
Hexachlorobutadiene	330	410 U	370 U	380 U
4-Chloro-3-Methylphenol	330	410 U	370 U	380 U
2-Methylnaphthalene	330	410 U	370 U	380 U
Hexachlorocyclopentadiene	330	410 U	370 U	380 U
2,4,6-Trichlorophenol	330	410 U	370 U	380 U
2,4,5-Trichlorophenol	1600	2000 U	1800 U	1800 U
2-Chloronaphthalene	330	410 U	370 U	380 U
2-Nitroaniline	1600	2000 U	1800 U	1800 U
Dimethylphthalate	330	410 U	370 U	380 U
Acenaphthylene	330	410 U	370 U	380 U
2,6-Dinitrotoluene	330	410 U	370 U	380 U
3-Nitroaniline	1600	2000 U	1800 U	1800 U
Acenaphthene	330	410 U	370 U	380 U
2,4-Dinitrophenol	1600	2000 U	1800 U	1800 U
Dibenzofuran	330	410 U	370 U	380 U
4-Nitrophenol	1600	2000 U	1800 U	1800 U
2,4-Dinitrotoluene	330	410 U	370 U	380 U
Fluorene	330	410 U	370 U	380 U
Diethylphthalate	330	410 U	370 U	380 U

ANALYTICAL RESULTS OF SOILS (3' - 27') AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW- AB15-SS3	RB-HW- AB15-SS8	RB-HW- MW4-SS2	RB-HW- MW4-SS3
Time:	1030	1150	1345	1400
Date Sampled:	01/25/90	01/25/90	01/29/90	01/29/90
Date Received:	01/26/90	01/26/90	01/30/90	01/30/90
% Moisture:	19	10	12	12
Lab ID:	1637.04	1637.05	1643.04	1643.05
Matrix:	A Soil	A Soil	Soil	Soil
Parameter	Nominal			
Semi-Volatiles	CRDL			
4-Chlorophenyl-phenylether	ug/kg			
4-Nitroaniline	330	370 U	380 U	380 U
4,6-Dinitro-2-Methylphenol	1600	1800 U	1800 U	1800 U
N-Nitrosodiphenylamine	330	370 U	380 U	380 U
4-Bromophenyl-phenylether	330	370 U	380 U	380 U
Hexachlorobenzene	330	370 U	380 U	380 U
Pentachlorophenol	1600	1800 U	1800 U	1800 U
Phenanthrene	330	370 U	380 U	380 U
Anthracene	330	370 U	380 U	380 U
Di-n-Butylphthalate	330	370 U	380 U	380 U
Fluoranthene	330	370 U	380 U	380 U
Pyrene	330	370 U	380 U	380 U
Butylbenzylphthalate	330	370 U	380 U	380 U
Benzo(a)Anthracene	330	370 U	380 U	380 U
3,3'-Dichlorobenzidine	660	730 U	750 U	750 U
Chrysene	330	370 U	380 U	380 U
bis(2-Ethylhexyl)Phthalate	330	370 U	380 U	380 U
Di-n-octylphthalate	330	370 U	380 U	380 U
Benzo(b)Fluoranthene	330	370 U	380 U	380 U
Benzo(k)Fluoranthene	330	370 U	380 U	380 U
Benzo(a)Pyrene	330	370 U	380 U	380 U

ANALYTICAL RESULTS OF SOILS (3'-27') AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW - AB15-SS3	RB-HW - AB15-SS8	RB-HW - MW4-SS2	RB-HW - MW4-SS3
Time:	1030	1150	1345	1400
Date Sampled:	01/25/90	01/25/90	01/29/90	01/29/90
Date Received:	01/26/90	01/26/90	01/30/90	01/30/90
% Moisture:	19	10	12	12
Lab ID:	1637.04	1637.05	1643.04	1643.05
Matrix:	A Soil	A Soil		Soil
Parameter	Nominal			
Semi-Volatiles	CRDL			
Indeno(1,2,3-cd)Pyrene	ug/kg			
Dibenz(a,h)Anthracene	330	410 U	380 U	380 U
Benzo(g,h,i)Perylene	330	410 U	380 U	380 U
	330	370 U	380 U	380 U

Footnotes:

- J-- the value reported is an estimated concentration.
- U-- the compound was analyzed for, but not detected.

ANALYTICAL RESULTS OF SOILS (3'-27') AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID:	RB-HW - MW5-SS2	RB-HW - MW5-SS3	RB-HW - MW6-SS2	RB-HW - MW6-SS3
Time:	0945	1000	1000	1030
Date Sampled:	01/31/90	01/31/90	01/30/90	01/30/90
Date Received:	02/01/90	02/01/90	01/31/90	01/31/90
% Moisture:	14	10	12	12
Lab ID:	1647.01	1647.02	1645.01	1645.02
Matrix:	Soil	Soil	Soil	Soil
Parameter	Nominal			
Semi-Volatiles	CRDL			
N-Nitroso-Dimethylamine	ug/kg			
Phenol	330	330	330	330
bis(2-Chloroethyl)ether	330	330	330	330
2-Chlorophenol	330	330	330	330
1,3-Dichlorobenzene	330	330	330	330
1,4-Dichlorobenzene	330	330	330	330
Benzyl Alcohol	330	330	330	330
1,2-Dichlorobenzene	330	330	330	330
2-Methylphenol	330	330	330	330
bis(2-chloroisopropyl)Ether	330	330	330	330
4-Methylphenol	330	330	330	330
N-Nitroso-Di-n-Propylamine	330	330	330	330
Hexachloroethane	330	330	330	330
Nitrobenzene	330	330	330	330
Isophorone	330	330	330	330
2-Nitrophenol	330	330	330	330
2,4-Dimethylphenol	330	330	330	330
bis(2-Chloroethoxy)methane	330	330	330	330
2,4-Dichlorophenol	330	330	330	330
Benzoic Acid	1600	1800	1800	1800
1,2,4-Trichlorobenzene	330	330	330	330

ANALYTICAL RESULTS OF SOILS (3'-27') AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:

RB-HW -
MW5-SS2RB-HW -
MW5-SS3RB-HW -
MW6-SS2RB-HW -
MW6-SS3

Time:

0945

1000

1030

Date Sampled:

01/31/90

01/30/90

01/30/90

Date Received:

02/01/90

01/31/90

01/31/90

% Moisture:

14

12

12

Lab ID:

1647.01

1645.01

1645.02

Matrix:

Soil

Soil

Soil

Soil

Nominal

CRDL

ug/kg

Parameter

Semi-Volatiles

Naphthalene

4-Chloroaniline

Hexachlorobutadiene

4-Chloro-3-Methylphenol

2-Methylnaphthalene

Hexachlorocyclopentadiene

2,4,6-Trichlorophenol

2,4,5-Trichlorophenol

2-Chloronaphthalene

2-Nitroaniline

Dimethylphthalate

Acenaphthylene

2,6-Dinitrotoluene

3-Nitroaniline

Acenaphthene

2,4-Dinitrophenol

Dibenzofuran

4-Nitrophenol

2,4-Dinitrotoluene

Fluorene

Diethylphthalate

ANALYTICAL RESULTS OF SOILS (3'-27') AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID:	RB-HW-MW5-SS2	RB-HW-MW5-SS3	RB-HW-MW6-SS2	RB-HW-MW6-SS3
Time:	0945	1000	1000	1030
Date Sampled:	01/31/90	01/31/90	01/30/90	01/30/90
Date Received:	02/01/90	02/01/90	01/31/90	01/31/90
% Moisture:	14	10	12	12
Lab ID:	1647.01	1647.02	1645.01	1645.02
Matrix:	Soil	Soil	Soil	Soil
Parameter	Nominal			
Semi-Volatiles	CRDL			
4-Chlorophenyl-phenylether	330	330	330	330
4-Nitroaniline	1600	1600	1600	1600
4,6-Dinitro-2-Methylphenol	1600	1600	1600	1600
N-Nitrosodiphenylamine	330	330	330	330
4-Bromophenyl-phenylether	330	330	330	330
Hexachlorobenzene	330	330	330	330
Pentachlorophenol	1600	1600	1600	1600
Phenanthrene	330	330	330	330
Anthracene	330	330	330	330
Di-n-Butylphthalate	330	330	330	330
Fluoranthene	330	330	330	330
Pyrene	330	330	330	330
Butylbenzylphthalate	330	330	330	330
Benzo(a)Anthracene	330	330	330	330
3,3'-Dichlorobenzidine	660	660	660	660
Chrysene	330	330	330	330
bis(2-Ethylhexyl)Phthalate	330	330	330	330
Di-n-octylphthalate	330	330	330	330
Benzo(b)Fluoranthene	330	330	330	330
Benzo(k)Fluoranthene	330	330	330	330
Benzo(a)Pyrene	330	330	330	330
4-Chlorophenyl-phenylether	380 U	370 U	380 U	380 U
4-Nitroaniline	1900 U	1800 U	1800 U	1800 U
4,6-Dinitro-2-Methylphenol	1900 U	1800 U	1800 U	1800 U
N-Nitrosodiphenylamine	380 U	370 U	380 U	380 U
4-Bromophenyl-phenylether	380 U	370 U	380 U	380 U
Hexachlorobenzene	380 U	370 U	380 U	380 U
Pentachlorophenol	1900 U	1800 U	1800 U	1800 U
Phenanthrene	380 U	370 U	380 U	380 U
Anthracene	380 U	370 U	380 U	380 U
Di-n-Butylphthalate	380 U	370 UJ	380 U	380 U
Fluoranthene	380 U	370 U	380 U	380 U
Pyrene	380 U	370 U	380 U	380 U
Butylbenzylphthalate	380 U	370 U	380 U	380 U
Benzo(a)Anthracene	380 U	370 U	380 U	380 U
3,3'-Dichlorobenzidine	770 U	730 U	750 U	750 U
Chrysene	380 U	370 U	380 U	380 U
bis(2-Ethylhexyl)Phthalate	380 U	370 U	380 U	380 U
Di-n-octylphthalate	380 U	370 U	380 U	380 U
Benzo(b)Fluoranthene	380 U	370 U	380 U	380 U
Benzo(k)Fluoranthene	380 U	370 U	380 U	380 U
Benzo(a)Pyrene	380 U	370 U	380 U	380 U

ANALYTICAL RESULTS OF SOILS (3' - 27') AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW- MW5-SS2	RB-HW- MW5-SS3	RB-HW- MW6-SS2	RB-HW- MW6-SS3
Time:	0945	1000	1000	1030
Date Sampled:	01/31/90	01/31/90	01/30/90	01/30/90
Date Received:	02/01/90	02/01/90	01/31/90	01/31/90
% Moisture:	14	10	12	12
Lab ID:	1647.01	1647.02	1645.01	1645.02
Matrix:	Soil	Soil	Soil	Soil
Parameter	Nominal			
Semi-Volatiles	CRDL			
Indeno(1,2,3-cd)Pyrene	380 U	370 U	380 U	380 U
Dibenz(a,h)Anthracene	380 U	370 U	380 U	380 U
Benzo(g,h,i)Perylene	380 U	370 U	380 U	380 U

Footnotes:

- J--the value reported is an estimated concentration.
- U--the compound was analyzed for, but not detected.

ANALYTICAL RESULTS OF SOILS (3'-27') AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:

RB-HW -
MW7-SS2RB-HW -
MW7-SS3RB-HW -
MW8-SS2RB-HW -
MW8-SS3

Time:

1310

1330

1510

1520

Date Sampled:

01/30/90

01/30/90

01/30/90

01/30/90

Date Received:

01/31/90

01/31/90

01/31/90

01/31/90

% Moisture:

15

20

13

21

Lab ID:

1645.03

1645.04

1645.05

1645.06

Matrix:

Soil

Soil

Soil

Soil

Nominal

CRDL

ug/kg

Parameter

Semi-Volatiles

N-Nitroso-Dimethylamine

Phenol

bis(2-Chloroethyl)ether

2-Chlorophenol

1,3-Dichlorobenzene

1,4-Dichlorobenzene

Benzyl Alcohol

1,2-Dichlorobenzene

2-Methylphenol

bis(2-chloroisopropyl)Ether

4-Methylphenol

N-Nitroso-Di-n-Propylamine

Hexachloroethane

Nitrobenzene

Isophorone

2-Nitrophenol

2,4-Dimethylphenol

bis(2-Chloroethoxy)methane

2,4-Dichlorophenol

Benzoic Acid

1,2,4-Trichlorobenzene

ANALYTICAL RESULTS OF SOILS (3' - 27") AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW - MW7 - SS2	RB-HW - MW7 - SS3	RB-HW - MW8 - SS2	RB-HW - MW8 - SS3
Time:	1310	1330	1510	1520
Date Sampled:	01/30/90	01/30/90	01/30/90	01/30/90
Date Received:	01/31/90	01/31/90	01/31/90	01/31/90
% Moisture:	15	20	13	21
Lab ID:	1645.03	1645.04	1645.05	1645.06
Matrix:	Soil	Soil	Soil	Soil
Parameter	Nominal			
Semi - Volatiles	CRDL			
Naphthalene	330	330	330	330
4 - Chloroaniline	330	330	330	330
Hexachlorobutadiene	330	330	330	330
4 - Chloro - 3 - Methylphenol	330	330	330	330
2 - Methylphenol	330	330	330	330
Hexachlorocyclopentadiene	330	330	330	330
2,4,6 - Trichlorophenol	330	330	330	330
2,4,5 - Trichlorophenol	1600	1600	1600	1600
2 - Chloronaphthalene	330	330	330	330
2 - Nitroaniline	1600	1600	1600	1600
Dimethylphthalate	330	330	330	330
Acenaphthylene	330	330	330	330
2,6 - Dinitrotoluene	330	330	330	330
3 - Nitroaniline	1600	1600	1600	1600
Acenaphthene	330	330	330	330
2,4 - Dinitrophenol	1600	1600	1600	1600
Dibenzofuran	330	330	330	330
4 - Nitrophenol	1600	1600	1600	1600
2,4 - Dinitrotoluene	330	330	330	330
Fluorene	330	330	330	330
Diethylphthalate	330	330	330	330

ANALYTICAL RESULTS OF SOILS (3'-27') AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID:	RB-HW-MW7-SS2	RB-HW-MW7-SS3	RB-HW-MW8-SS2	RB-HW-MW8-SS3
Time:	1310	1330	1510	1520
Date Sampled:	01/30/90	01/30/90	01/30/90	01/30/90
Date Received:	01/31/90	01/31/90	01/31/90	01/31/90
% Moisture:	15	20	13	21
Lab ID:	1645.03	1645.04	1645.05	1645.06
Matrix:	Soil	Soil	Soil	Soil
Parameter	Nominal			
Semi-Volatiles	CRDL			
4-Chlorophenyl-phenylether	ug/kg			
4-Nitroaniline	330	390 U	410 U	420 U
4,6-Dinitro-2-Methylphenol	1600	1900 U	2000 U	2000 U
N-Nitrosodiphenylamine	330	390 U	410 U	420 U
4-Bromophenyl-phenylether	330	390 U	410 U	420 U
Hexachlorobenzene	330	390 U	410 U	420 U
Pentachlorophenol	1600	1900 U	2000 U	2000 U
Phenanthrene	330	390 U	410 U	420 U
Anthracene	330	390 U	410 U	420 U
Di-n-Butylphthalate	330	390 U	410 U	420 U
Fluoranthene	330	390 U	410 U	420 U
Pyrene	330	390 U	410 U	420 U
Butylbenzylphthalate	330	390 U	410 U	420 U
Benzo(a)Anthracene	330	390 U	410 U	420 U
3,3'-Dichlorobenzidine	660	780 U	830 U	840 U
Chrysene	330	390 U	410 U	420 U
bis(2-Ethylhexyl)Phthalate	330	390 U	410 U	420 U
Di-n-octylphthalate	330	390 U	410 U	420 U
Benzo(b)Fluoranthene	330	390 U	410 U	420 U
Benzo(k)Fluoranthene	330	390 U	410 U	420 U
Benzo(a)Pyrene	330	390 U	410 U	420 U

ANALYTICAL RESULTS OF SOILS (3' - 27') AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW - MW7-SS2	RB-HW - MW7-SS3	RB-HW - MW8-SS2	RB-HW - MW8-SS3
Time:	1310	1330	1510	1520
Date Sampled:	01/30/90	01/30/90	01/30/90	01/30/90
Date Received:	01/31/90	01/31/90	01/31/90	01/31/90
% Moisture:	15	20	13	21
Lab ID:	1645.03	1645.04	1645.05	1645.06
Matrix:	Soil	Soil	Soil	Soil
Parameter	Nominal			
Semi - Volatiles	CRDL			
Indeno(1,2,3-cd)Pyrene	ug/kg			
Dibenz(a,h)Anthracene	330	410 U	380 U	420 U
Benzo(g,h,i)Perylene	330	410 U	380 U	420 U
	330	410 U	380 U	420 U

Footnotes:

- J-- the value reported is an estimated concentration.
- U-- the compound was analyzed for, but not detected.

ANALYTICAL RESULTS OF SOILS (3' - 27') AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW - MW9 - SS2	RB-HW - MW9 - SS3	RB-HW - D4	RB-HW - D5
Time:	950	1000	1130	1530
Date Sampled:	02/09/90	02/09/90	01/25/90	01/25/90
Date Received:	02/13/90	02/13/90	01/26/90	01/26/90
% Moisture:	14	19	13	14
Lab ID:	1665.03	1665.04	1637.06	1637.03
Matrix:	Soil	Soil	A Soil	A Soil
Parameter	Nominal CRDL ug/kg			
Semi - Volatiles	330	330	330	330
N - Nitroso - Dimethylamine	330	330	330	330
Phenol	330	330	330	330
bis(2 - Chloroethyl)ether	330	330	330	330
2 - Chlorophenol	330	330	330	330
1,3 - Dichlorobenzene	330	330	330	330
1,4 - Dichlorobenzene	330	330	330	330
Benzyl Alcohol	330	330	330	330
1,2 - Dichlorobenzene	330	330	330	330
2 - Methylphenol	330	330	330	330
bis(2 - chloroisopropyl)Ether	330	330	330	330
4 - Methylphenol	330	330	330	330
N - Nitroso - Di - n - Propylamine	330	330	330	330
Hexachloroethane	330	330	330	330
Nitrobenzene	330	330	330	330
Isophorone	330	330	330	330
2 - Nitrophenol	330	330	330	330
2,4 - Dimethylphenol	330	330	330	330
bis(2 - Chloroethoxy)methane	330	330	330	330
2,4 - Dichlorophenol	330	330	330	330
Benzic Acid	1600	1900	1800	1900
1,2,4 - Trichlorobenzene	330	330	330	330

ANALYTICAL RESULTS OF SOILS (3' - 27") AT THE HWSA RICKENBACKER ANGB -- OHIO

Sample ID:	RB-HW-MW9-SS2	RB-HW-MW9-SS3	RB-HW-D4	RB-HW-D5
Time:	950	1000	1130	1530
Date Sampled:	02/09/90	02/09/90	01/25/90	01/25/90
Date Received:	02/13/90	02/13/90	01/26/90	01/26/90
% Moisture:	14	19	13	14
Lab ID:	1665.03	1665.04	1637.06	1637.03
Matrix:	Soil	Soil	Soil	Soil
Parameter	Nominal			
Semi-Volatiles	CRDL			
Naphthalene	ug/kg			
4-Chloroaniline	330	410 U	380 U	380 U
Hexachlorobutadiene	330	410 U	380 U	380 U
4-Chloro-3-Methylphenol	330	410 U	380 U	380 U
2-Methylnaphthalene	330	410 U	380 U	380 U
Hexachlorocyclopentadiene	330	410 U	380 U	380 U
2,4,6-Trichlorophenol	330	410 U	380 U	380 U
2,4,5-Trichlorophenol	1600	2000 U	1800 U	1900 U
2-Chloronaphthalene	330	410 U	380 U	380 U
2-Nitroaniline	1600	2000 U	1800 U	1900 U
Dimethylphthalate	330	410 U	380 U	380 U
Acenaphthylene	330	410 U	380 U	380 U
2,6-Dinitrotoluene	330	410 U	380 U	380 U
3-Nitroaniline	1600	2000 U	1800 U	1900 U
Acenaphthene	330	410 U	380 U	380 U
2,4-Dinitrophenol	1600	2000 U	1800 U	1900 U
Dibenzofuran	330	410 U	380 U	380 U
4-Nitrophenol	1600	2000 U	1800 U	1900 U
2,4-Dinitrotoluene	330	410 U	380 U	380 U
Fluorene	330	410 U	380 U	380 U
Diethylphthalate	330	410 U	380 U	380 U

ANALYTICAL RESULTS OF SOILS (3'-27') AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID:	RB-HW- MW9-SS2	RB-HW- MW9-SS3	RB-HW- D4	RB-HW- D5
Time:	950	1000	1130	1530
Date Sampled:	02/09/90	02/09/90	01/25/90	01/25/90
Date Received:	02/13/90	02/13/90	01/26/90	01/26/90
% Moisture:	14	19	13	14
Lab ID:	1665.03	1665.04	1637.06	1637.03
Matrix:	Soil	Soil	A Soil	A Soil
Parameter	Nominal			
Semi-Volatiles	CRDL			
4-Chlorophenyl-phenylether	380 U	410 U	380 U	380 U
4-Nitroaniline	1900 U	2000 U	1800 U	1900 U
4,6-Dinitro-2-Methylphenol	1900 U	2000 U	1800 U	1900 U
N-Nitrosodiphenylamine	380 U	410 U	380 U	380 U
4-Bromophenyl-phenylether	380 U	410 U	380 U	380 U
Hexachlorobenzene	380 U	410 U	380 U	380 U
Pentachlorophenol	1900 U	2000 U	1800 U	1900 U
Phenanthrene	380 U	410 U	380 U	380 U
Anthracene	380 U	410 U	380 U	380 U
Di-n-Butylphthalate	380 U	410 U	380 U	380 U
Fluoranthene	380 U	410 U	380 U	380 U
Pyrene	380 U	410 U	380 U	380 U
Butylbenzylphthalate	380 U	410 U	380 U	380 U
Benzo(a)Anthracene	380 U	410 U	380 U	380 U
3,3'-Dichlorobenzidine	770 U	410 U	760 U	770 U
Chrysene	380 U	410 U	380 U	380 U
bis(2-Ethylhexyl)Phthalate	380 U	410 U	380 U	380 U
Di-n-octylphthalate	380 U	410 U	380 U	380 U
Benzo(b)Fluoranthene	380 U	410 U	380 U	380 U
Benzo(k)Fluoranthene	380 U	410 U	380 U	380 U
Benzo(a)Pyrene	380 U	410 U	380 U	380 U

ANALYTICAL RESULTS OF SOILS (3' - 27') AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW - MW9-SS2	RB-HW - MW9-SS3	RB-HW - D4	RB-HW - D5
Time:	950	1000	1130	1530
Date Sampled:	02/09/90	02/09/90	01/25/90	01/25/90
Date Received:	02/13/90	02/13/90	01/26/90	01/26/90
% Moisture:	14	19	13	14
Lab ID:	1665.03	1665.04	1637.06	1637.03
Matrix:	Soil	Soil	A Soil	A Soil
Parameter	Nominal			
Semi-Volatiles	CRDL			
Indeno(1,2,3-cd)Pyrene	ug/kg			
Dibenz(a,h)Anthracene	330	410 U	380 U	380 U
Benzo(g,h,i)Perylene	330	410 U	380 U	380 U
	330	410 U	380 U	380 U

Footnotes:

- J--the value reported is an estimated concentration.
- U--the compound was analyzed for, but not detected.

ANALYTICAL RESULTS OF SOILS (3'-27') AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID:	RB-HW-D6	RB-HW-D7
Time:	1020	1320
Date Sampled:	01/30/90	01/30/90
Date Received:	01/31/90	01/31/90
% Moisture:	13	20
Lab ID:	1645.07	1645.08
Matrix:	Soil	Soil
Parameter	Nominal	
Semi-Volatiles	CRDL	
N-Nitroso-Dimethylamine	ug/kg	
Phenol	330	410 U
bis(2-Chloroethyl)ether	330	410 U
2-Chlorophenol	330	410 U
1,3-Dichlorobenzene	330	410 U
1,4-Dichlorobenzene	330	410 U
Benzyl Alcohol	330	410 U
1,2-Dichlorobenzene	330	410 U
2-Methylphenol	330	410 U
bis(2-chloroisopropyl)Ether	330	410 U
4-Methylphenol	330	410 U
N-Nitroso-Di-n-Propylamine	330	410 U
Hexachloroethane	330	410 U
Nitrobenzene	330	410 U
Isophorone	330	410 U
2-Nitrophenol	330	410 U
2,4-Dimethylphenol	330	410 U
bis(2-Chloroethoxy)methane	330	410 U
2,4-Dichlorophenol	330	410 U
Benzoic Acid	1600	2000 U
1,2,4-Trichlorobenzene	330	410 U

ANALYTICAL RESULTS OF SOILS (3' - 27") AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW - D6	RB-HW - D7
Time:	1020	1320
Date Sampled:	01/30/90	01/30/90
Date Received:	01/31/90	01/31/90
% Moisture:	13	20
Lab ID:	1645.07	1645.08
Matrix:	Soil	Soil

Parameter	Nominal	CRDL	ug/kg
Semi - Volatiles			330
Naphthalene		380 U	410 U
4 - Chloroaniline		380 U	410 U
Hexachlorobutadiene		380 U	410 U
4 - Chloro - 3 - Methylphenol		380 U	410 U
2 - Methyl-naphthalene		380 U	410 U
Hexachlorocyclopentadiene		380 U	410 U
2,4,6 - Trichlorophenol		380 U	410 U
2,4,5 - Trichlorophenol		1800 U	2000 U
2 - Chloronaphthalene		380 U	410 U
2 - Nitroaniline		1800 U	2000 U
Dimethylphthalate		380 U	410 U
Acenaphthylene		380 U	410 U
2,6 - Dinitrotoluene		380 U	410 U
3 - Nitroaniline		1800 U	2000 U
Acenaphthene		380 U	410 U
2,4 - Dinitrophenol		1800 U	2000 U
Dibenzofuran		380 U	410 U
4 - Nitrophenol		1800 U	2000 U
2,4 - Dinitrotoluene		380 U	410 U
Fluorene		380 U	410 U
Diethylphthalate		380 U	410 U

ANALYTICAL RESULTS OF SOILS (3'-27") AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID:	RB-HW-D6	RB-HW-D7	
Time:	1020	1320	
Date Sampled:	01/30/90	01/30/90	
Date Received:	01/31/90	01/31/90	
% Moisture:	13	20	
Lab ID:	1645.07	1645.08	
Matrix:	Soil	Soil	
Parameter	Nominal		
Semi-Volatiles	CRDL		
4-Chlorophenyl-phenylether	ug/kg		
4-Nitroaniline	330	380 U	410 U
4,6-Dinitro-2-Methylphenol	1600	1800 U	2000 U
N-Nitrosodiphenylamine	1600	1800 U	2000 U
4-Bromophenyl-phenylether	330	380 U	410 U
Hexachlorobenzene	330	380 U	410 U
Pentachlorophenol	330	380 U	410 U
Phenanthrene	1600	1800 U	2000 U
Anthracene	330	380 U	410 U
Di-n-Butylphthalate	330	380 U	410 U
Fluoranthene	330	380 U	410 U
Pyrene	330	380 U	410 U
Butylbenzylphthalate	330	380 U	410 U
Benzo(a)Anthracene	330	380 U	410 U
3,3'-Dichlorobenzidine	660	760 U	830 U
Chrysene	330	380 U	410 U
bis(2-Ethylhexyl)Phthalate	330	380 U	410 U
Di-n-octylphthalate	330	380 U	410 U
Benzo(b)Fluoranthene	330	380 U	410 U
Benzo(k)Fluoranthene	330	380 U	410 U
Benzo(a)Pyrene	330	380 U	410 U

ANALYTICAL RESULTS OF SOILS (3'-27') AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW-D6	RB-HW-D7
Time:	1020	1320
Date Sampled:	01/30/90	01/30/90
Date Received:	01/31/90	01/31/90
% Moisture:	13	20
Lab ID:	1645.07	1645.08
Matrix:	Soil	Soil
Parameter	Nominal	
Semi-Volatiles	CRDL	
Indeno(1,2,3-cd)Pyrene	ug/kg	
Dibenz(a,h)Anthracene	330	410 U
Benzo(g,h,i)Perylene	330	410 U
	330	410 U

Footnotes:

J-- the value reported is an estimated concentration.
 U-- the compound was analyzed for, but not detected.

ANALYTICAL RESULTS OF SOILS (3' - 27') AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW - AB1 - SS1 1000 01/22/90 01/23/90 84.5	RB-HW - AB1 - SS2 1000 01/22/90 01/23/90 86.0	RB-HW - AB2 - SS1 1500 01/22/90 01/23/90 87.2	RB-HW - AB2 - SS2 1500 01/22/90 01/23/90 86.9
Time:				
Date Sampled:				
Date Received:				
% Solids:				
Lab ID:	1630.01	1630.02	1630.03	1630.04
Matrix:	Soil	Soil	Soil	Soil
Parameter				
Metals	Nominal CRDL mg/Kg			
Antimony	6	4.8 UNR	4.7 UNR	4.7 UNR
Arsenic	1	22.9 NJ	16.1 NJ	13.7 NJ
Beryllium	0.5	0.59	0.35 B	0.35 B
Cadmium	0.5	0.47 B	0.35 B	0.35 B
Chromium	1	17.3	10.8	13.4
Copper	2.5	34.7	25.6	25.9
Lead	0.3	22	22.8 *	15.3
Mercury	0.1	0.059 U	0.058 U	0.058 U
Nickel	4	35.3	29	25.9
Selenium	0.5	0.2 UNWJ	0.52 BNWJ	0.59 NJ
Silver	1	0.78 U	0.77 U	0.77 U
Thallium	1	1.2 BNJ	0.47 BNJ	0.72 BNJ
Zinc	2	101	92.1	84

ANALYTICAL RESULTS OF SOILS (3' -27') AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:

RB-HW-

RB-HW-

RB-HW-

RB-HW-

RB-HW-

Time:

Date Sampled:

Date Received:

% Solids:

AB3-

SS1

0835

01/23/90

01/24/90

83.7

AB3-

SS2

0900

01/23/90

01/24/90

87.8

AB4-

SS1

1320

01/23/90

01/24/90

83.1

AB4-

SS2

1340

01/23/90

01/24/90

86.9

Lab ID:

1633.01

1633.02

1633.03

1633.04

Matrix:

Soil

Soil

Soil

Soil

Parameter

Nominal

CRDL

mg/Kg

Metals

Antimony

Arsenic

Beryllium

Cadmium

Chromium

Copper

Lead

Mercury

Nickel

Selenium

Silver

Thallium

Zinc

6

1

0.5

0.5

1

2.5

0.3

0.1

4

0.5

1

1

2

4.7 UNR

20.4 NJ

0.58

0.58

17.4

24.9

20.1

0.06 U

25.2

0.32 BNJ

0.77 U

0.59 BNJ

82.6

4.5 UNR

12.8 NJ

0.34 B

0.45 B

10.8

28

14.8

0.057 U

21.8

0.55 NWJ

0.74 U

0.36 BNJ

80.9

5 UNR

15.2 NJ

1

0.5 B

22.3

21.2

382 *

0.06 U

21.8

0.47 BNJ

0.83 U

0.61 BNJ

166

4.5 UNR

16.3 NJ

0.79

0.45 B

10.8

20.4

20.3 *

0.058 U

27.8

0.35 BNWJ

0.74 U

0.46 BNJ

90.3

ANALYTICAL RESULTS OF SOILS (3'-27') AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID:

RB-HW--

Time:

RB-HW--

Date Sampled:

AB6--

Date Received:

SS2

% Solids:

1115

Lab ID:

01/23/90

Matrix:

01/24/90

Parameter

82.9

Metals

Soil

Antimony

1633.05

Arsenic

1630.06

Beryllium

Soil

Cadmium

4.5 UNR

Chromium

22.2 NJ

Copper

0.33 B

Lead

3.3

Mercury

16.5

Nickel

36.9

Selenium

19.5 *

Silver

0.058 U

Thallium

25.2

Zinc

0.29 BNWJ

0.73 U

0.88 BNJ

83.1

3.9 UNR

20.3 NJ

0.22 U

0.49

12.4

25.7

14.8

0.06 U

20.3

0.53 BNWJ

0.64 U

0.39 BNJ

85.7

ANALYTICAL RESULTS OF SOILS (3' - 27') AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW-AB7-SS1 1400 01/23/90 01/24/90 81.7	RB-HW-AB7-SS2 1410 01/23/90 01/24/90 87.0	RB-HW-AB8-SS2 1320 01/22/90 01/23/90 84.8
Time:			
Date Sampled:			
Date Received:			
% Solids:			
Lab ID:	1633.07	1633.08	1630.08
Matrix:	Soil	Soil	Soil
Parameter			
Metals	Nominal CRDL mg/Kg		
Antimony	6		5 UNR
Arsenic	1		17.4 NJ
Beryllium	0.5		0.37 B
Cadmium	0.5		0.37 B
Chromium	1		15.9
Copper	2.5		30.2
Lead	0.3		14.9
Mercury	0.1		0.059 U
Nickel	4		22.2
Selenium	0.5		0.35 BNWJ
Silver	1		0.82 U
Thallium	1		0.46 BNJ
Zinc	2		93.7
		4.5 UNJ	
		16.8 NJ	
		0.45 B	
		0.68	
		13.6	
		28	
		15.7	
		0.057 U	
		38	
		0.25 BNWJ	
		0.74 U	
		0.63 BNJ	
		82.2	
		4.4 UNJ	
		21 NJ	
		0.33 B	
		0.55	
		11.5	
		23.6	
		16.7	
		0.057 U	
		25.7	
		0.34 BNWJ	
		0.72 U	
		0.54 BNJ	
		82.9	
		5.1 UNR	
		18.2 NJ	
		0.63	
		0.38 B	
		17.8	
		30.8	
		17.6	
		0.061 U	
		35.6	
		0.2 UNJ	
		0.83 U	
		0.73 BNJ	
		99.7	

ANALYTICAL RESULTS OF SOILS (3'-27') AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID:	RB-HW-AB9-SS1	RB-HW-AB9-SS2	RB-HW-AB10-SS2	RB-HW-AB10-SS2
Time:	1040	1040	0930	0945
Date Sampled:	01/23/90	01/23/90	01/23/90	01/23/90
Date Received:	01/24/90	01/24/90	01/24/90	01/24/90
% Solids:	83.5	82.7	83.9	83.6
Lab ID:	1633.09	1633.10	1633.11	1633.12
Matrix:	Soil	Soil	Soil	Soil
Parameter	Nominal CRDL mg/Kg			
Metals				
Antimony	4.9 UNJ	6 BNJ	4.7 UNR	4.8 UNR
Arsenic	20.7 NJ	18.1 NJ	21 NJ	15 NJ
Beryllium	0.49 B	0.64	0.58	0.6
Cadmium	0.49 B	0.51 B	0.35 B	0.24 B
Chromium	16.9	17.3	17.8	17.1
Copper	27.7	24.9	29.4	21.4
Lead	27.7 S	19.5	17.6	19.8
Mercury	0.08 U	0.08 U	0.06 U	0.06 U
Nickel	30.6	30.7	28.6	32.1
Selenium	0.21 UNJ	0.21 UNJ	0.19 UNJ	0.31 BNWJ
Silver	0.81 U	0.84 U	0.76 U	0.79 U
Thallium	0.48 BNJ	0.74 BNJ	0.56 BNJ	0.69 BNJ
Zinc	97.2	90.9	90.5	76.1

ANALYTICAL RESULTS OF SOILS (3'-27') AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW- AB11-SS4	RB-HW- AB11-SS7	RB-HW- AB12-SS3	RB-HW- AB12-SS7
Time:	1040	1110	0930	1030
Date Sampled:	01/26/90	01/26/90	01/24/90	01/24/90
Date Received:	01/30/90	01/30/90	01/25/90	01/25/90
% Solids:	86.0	89.2	84.1	85.9
Lab ID:	1643.07	1643.08	1636.01	1636.02
Matrix:	Soil	Soil	A Soil	A Soil
Parameter				
Metals	Nominal CRDL mg/Kg			
Antimony	6	2.7 UNJ	4.5 UNJ	3.9 UNJ
Arsenic	1	3.7 B	13.5	8.9 B
Beryllium	0.5	0.16 U	0.67	0.38 B
Cadmium	0.5	0.21 B	0.44 B	0.18 U
Chromium	1	5.3	13.6	6.5
Copper	2.5	51.3 NJ	25.3 NJ	21.7 NJ
Lead	0.3	9.4 N*J	37 N*J	14.1 N*J
Mercury	0.1	0.058 U	0.059 U	0.064 B
Nickel	4	9	25.9	14.5
Selenium	0.5	0.43 W	0.38 BW	0.26 BW
Silver	1	0.45 U	0.73 U	0.63 U
Thallium	1	0.074 UNW	0.1 UNW	0.12 BNWJ
Zinc	2	57 NJ	78.6 NJ	32.8 NJ

ANALYTICAL RESULTS OF SOILS (3'-27') AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID:	RB-HW- AB13-SS5	RB-HW- AB13-SS7	RB-HW- AB14-SS2	RB-HW- AB14-SS7
Time:	1350	1415	1410	1520
Date Sampled:	01/24/90	01/24/90	01/25/90	01/25/90
Date Received:	01/25/90	01/25/90	01/26/90	01/26/90
% Solids:	84.0	94.0	87.6	90.5
Lab ID:	1636.03	1636.04	1637.01	1637.02
Matrix:	A Soil	A Soil	A Soil	A Soil
Parameter	Nominal CRDL mg/Kg			
Antimony	6	4.2 UNJ	1.8 UNJ	3.3 UNJ
Arsenic	1	5.8 B	9.5	16.9
Beryllium	0.5	0.31 B	0.18 B	0.66
Cadmium	0.5	0.2 U	0.088 B	0.25 B
Chromium	1	6.7	4.8	13.9
Copper	2.5	42.8 NJ	42.9 NJ	33.5 NJ
Lead	0.3	10.2 N*J	10.1 N*J	19.6 N*J
Mercury	0.1	0.17	0.053 U	0.057 U
Nickel	4	8.6	8.8	31.8
Selenium	0.5	0.32 BW	0.24 B	0.3 BW
Silver	1	0.69 U	0.29 U	0.55 U
Thallium	1	0.11 UNWJ	0.085 UNW	0.29 BNWJ
Zinc	2	47.9 NJ	65.1 NJ	82.7 NJ
				3.2 UNJ
				61.2
				0.32 B
				0.16 B
				9.4
				46 NJ
				22.9 N*J
				0.055 U
				15.3
				0.6 W
				0.53 U
				0.09 UNW
				73.6 NJ

ANALYTICAL RESULTS OF SOILS (3'-27') AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW- AB15-SS3	RB-HW- AB15-SS8	RB-HW- MW4-SS2	RB-HW- MW4-SS3
Time:	1030	1150	1345	1400
Date Sampled:	01/25/90	01/25/90	01/29/90	01/29/90
Date Received:	01/26/90	01/26/90	01/30/90	01/30/90
% Solids:	80.8	89.9	88.1	88.1
Lab ID:	1637.04 A	1637.05 A	1643.04	1643.05
Matrix:	Soil	Soil	Soil	Soil
Parameter				
Metals	Nominal CRDL mg/Kg			
Antimony	6	4.9 UNJ	3.2 UNJ	3.4 UNJ
Arsenic	1	14.8	17.4	9.1 B
Beryllium	0.5	0.73	0.39	0.43
Cadmium	0.5	0.23 U	0.24 B	0.68
Chromium	1	18.2	9.1	11.2
Copper	2.5	23.7 NJ	28.7 NJ	19.7 NJ
Lead	0.3	15.8 N*J	15.7 N*J	15.1 N*J
Mercury	0.1	0.096 B	0.057 U	0.057 U
Nickel	4	27.2	24	25.2
Selenium	0.5	0.21 UW	0.18 BW	0.57 W
Silver	1	0.8 U	0.52 U	0.56 U
Thallium	1	0.11 UNW	0.34 BNWJ	0.27 BNWJ
Zinc	2	76.8 NJ	81 NJ	91.1 NJ

ANALYTICAL RESULTS OF SOILS (3' - 27") AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:

RB-HW -
MW5-SS2

RB-HW -
MW5-SS3

RB-HW -
MW6-SS2

RB-HW -
MW6-SS3

Time:

0945

1000

1000

1030

Date Sampled:

01/31/90

01/31/90

01/30/90

01/30/90

Date Received:

02/01/90

02/01/90

01/31/90

01/31/90

% Solids:

86.3

90.2

88.0

88.4

Lab ID:

1647.01

1647.02

1645.01

1645.02

Matrix:

A
Soil

A
Soil

A
Soil

A
Soil

Parameter

Nominal

CRDL

mg/Kg

Metals

Antimony

6

4.5 UNR

4.2 UNR

4.4 UNR

3.9 UNR

Arsenic

1

26 NJ

8.3 NJ

19.6 NJ

11.3 NJ

Beryllium

0.5

0.57

0.32 B

0.54

0.49

Cadmium

0.5

0.23 B

0.21 B

0.33 B

0.2 B

Chromium

1

16.5

9.8

16

14.5

Copper

2.5

26.2 *

57.4 *

29.9 *

21.6 *

Lead

0.3

18.8 NSJ

17.6 NJ

18.7 NSJ

15.1 NSJ

Mercury

0.1

0.055 U

0.058 U

0.057 U

0.057 U

Nickel

4

26

13.7

28.6

28.5

Selenium

0.5

0.51 N+J

0.18 BNSJ

0.79 N+J

0.98 NSJ

Silver

1

0.75 U

0.7 U

0.72 U

0.65 U

Thallium

1

0.31 B

0.058 U

0.29 B

0.078 UW

Zinc

2

65.6

82.8

72.8

ANALYTICAL RESULTS OF SOILS (3'-27") AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID:	RB-HW-MW7-SS2	RB-HW-MW7-SS3	RB-HW-MW8-SS2	RB-HW-MW8-SS3
Time:	1310	1330	1510	1520
Date Sampled:	01/30/90	01/30/90	01/30/90	01/30/90
Date Received:	01/31/90	01/31/90	01/31/90	01/31/90
% Solids:	85.0	79.8	87.3	78.8
Lab ID:	1645.03	1645.04	1645.05	1645.06
Matrix:	A Soil	A Soil	A Soil	A Soil
Parameter				
Metals	Nominal CRDL mg/Kg			
Antimony	6	4.3 UNJ	5 UNR	5 UNR
Arsenic	1	15.7 NJ	15.8 NJ	5.2 BNJ
Beryllium	0.5	0.65	0.75	0.29 U
Cadmium	0.5	0.22 B	0.24 U	0.24 U
Chromium	1	19	22.4	6.1
Copper	2.5	26.4 *	25.3 *	12 *
Lead	0.3	19.2 NSJ	25.2 NSJ	12.1 NSJ
Mercury	0.1	0.059 U	0.063 U	0.063 U
Nickel	4	25.7	31.6	13.1
Selenium	0.5	0.19 UNJ	0.32 BNJ	0.8 NSJ
Silver	1	0.71 U	0.83 U	0.83 U
Thallium	1	0.27 BW	0.23 B	0.083 U
Zinc	2	79.9	89.6	59.5
			4.5 UNR	
			23 NJ	
			0.56	
			0.22 B	
			15.8	
			25.7 *	
			15.4 NSJ	
			0.057 U	
			32.1	
			1.7 NSJ	
			0.73 U	
			0.098 UW	
			82.6	

ANALYTICAL RESULTS OF SOILS (3' - 27') AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW - MW9-SS2	RB-HW - MW9-SS3	RB-HW - D4	RB-HW - D5
Time:	950	1000	1130	1530
Date Sampled:	02/09/90	02/09/90	01/25/90	01/25/90
Date Received:	02/13/90	02/13/90	01/26/90	01/26/90
% Solids:	86.4	81.2	87.0	86.3
Lab ID:	1665.03	1665.04	1637.06	1637.03
Matrix:	B Soil	B Soil	A Soil	A Soil
Parameter				
Metals	Nominal CRDL mg/Kg			
Antimony	6	4.2 UNR	2.8 UNJ	3.1 UNJ
Arsenic	1	16.2 NJ	13.4	10.6 B
Beryllium	0.5	0.62	0.49	0.46
Cadmium	0.5	0.31 B	0.21 B	0.15 B
Chromium	1	13.1	13.6	11.7
Copper	2.5	24.6	24.9	19.9 NJ
Lead	0.3	13.8 NJ	22.2 N*J	14.6 N*J
Mercury	0.1	0.058 U	0.057 U	0.09 B
Nickel	4	31	27.4	22
Selenium	0.5	0.48 BS	0.36 BW	0.28 BW
Silver	1	0.68 U	0.46 U	0.5 U
Thallium	1	0.4 B	0.35 BNWJ	0.11 UNWJ
Zinc	2	84.7	91.1 NJ	66.1 NJ

ANALYTICAL RESULTS OF SOILS (3'-27') AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW - D6	RB-HW - D7
Time:	1020	1320
Date Sampled:	01/30/90	01/30/90
Date Received:	01/31/90	01/31/90
% Solids:	86.9	79.7
Lab ID:	1645.07	1645.08
Matrix:	A Soil	A Soil
Parameter		
Metals	Nominal CRDL mg/Kg	
Antimony	6	5 UNR
Arsenic	1	15.6 N+J
Beryllium	0.5	0.74
Cadmium	0.5	0.23 U
Chromium	1	20.4
Copper	2.5	24.2 *
Lead	0.3	26.7 NSJ
Mercury	0.1	0.063 U
Nickel	4	31.5
Selenium	0.5	0.39 BNWJ
Silver	1	0.82 U
Thallium	1	0.23 B
Zinc	2	87.6
	4 UNR	
	11.1 NSJ	
	0.6	
	0.7	
	17.3	
	19.5 *	
	9.6 NJ	
	0.058 U	
	24.5	
	0.47 N+J	
	0.66 U	
	0.075 U	
	73.9	

ANALYTICAL RESULTS OF SOILS (3' - 27") AT THE HWSA RICKENBACKER ANGB - OHIO

Footnotes:

- + -- correlation coefficient for the MSA is less than 0.995.
- * -- duplicate analysis not within control limits.
- B -- reported value is less than the reporting limit, but greater than the IDL.
- J -- the value reported is an estimated concentration.
- N -- spiked sample recovery, not within control limits.
- R -- quality control indicates that data are not usable
- S -- reported value was determined by the Method of Standard Additions.
- U -- compound was analyzed for, but not detected.
- W -- post digestion spike for Furnace AA analysis out of control limits (85 - 115%), while sample absorbance is less than 50% of spike absorbance.

ANALYTICAL RESULTS OF GROUNDWATER AT THE HWSA RICKENBACKER ANGB--OHIO

Sample ID:	RB-HW - MW1 -GW2	RB-HW - MW2 -GW2	RB-HW - MW3 -GW2	RB-HW - MW4 -GW1
Time:	1410	1010	1345	1420
Date Sampled:	02/06/90	02/07/90	02/06/90	02/06/90
Date Received:	02/08/90	02/08/90	02/08/90	02/08/90
% Moisture:	NA	NA	NA	NA
Lab ID:	1657.03	1657.09	1657.02	1657.04
Matrix:	Water	Water	Water	Water
Parameter	Nominal			
Volatiles	CRDL ug/L			
Chloromethane	10 U	10 U	10 U	10 U
Bromomethane	10 U	10 U	10 U	10 U
Vinyl Chloride	10 U	10 U	10 U	10 U
Chloroethane	10 U	10 U	10 U	10 U
Methylene_Chloride	5 U	5 U	5 U	5 U
Acrolein	10 U	10 U	10 U	10 U
Acetone	100 UJ	100 U	100 U	100 U
Acrylonitrile	10 U	10 U	10 U	10 U
Carbon Disulfide	10 U	10 U	10 U	10 U
Trichlorofluoromethane	10 U	10 U	10 U	10 U
1,1-Dichloroethene	5 U	5 U	5 U	5 U
1,1-Dichloroethane	5 U	5 U	5 U	5 U
trans-1,2-Dichloroethene	5 U	5 U	5 U	5 U
Chloroform	5 U	5 U	5 U	5 U
1,2-Dichloroethane	5 U	5 U	5 U	5 U
2-Butanone	100 U	100 U	100 U	100 U
1,1,1-Trichloroethane	5 U	5 U	5 U	5 U
Carbon Tetrachloride	5 U	5 U	5 U	5 U
Vinyl Acetate	50 U	50 U	50 U	50 U
Bromodichloromethane	5 U	5 U	5 U	5 U

ANALYTICAL RESULTS OF GROUNDWATER AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID:	RB-HW-MW1-GW2	RB-HW-MW2-GW2	RB-HW-MW3-GW2	RB-HW-MW4-GW1
Time:	1410	1010	1345	1420
Date Sampled:	02/06/90	02/07/90	02/06/90	02/06/90
Date Received:	02/08/90	02/08/90	02/08/90	02/08/90
% Moisture:	NA	NA	NA	NA
Lab ID:	1657.03	1657.09	1657.02	1657.04
Matrix:	Water	Water	Water	Water
Parameter	Nominal			
Volatiles	CRDL			
	ug/L			
1,2-Dichloropropane	10	5 U	5 U	5 U
cis-1,3-Dichloropropene	10	5 U	5 U	5 U
Trichloroethene	10	5 U	7	5 U
Benzene	10	560 D	5 U	5 U
Dibromochloromethane	10	5 U	5 U	5 U
1,1,2-Trichloroethane	10	5 U	5 U	5 U
trans-1,3-Dichloropropene	10	5 U	5 U	5 U
2-Chloroethylvinylether	10	10 U	10 U	10 U
Bromoform	10	5 U	5 U	5 U
2-Hexanone	10	50 U	50 U	50 U
4-Methyl-2-pentanone	10	50 U	50 U	50 U
Tetrachloroethene	10	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	10	5 U	5 U	5 U
Toluene	10	5 U	5 U	5 U
Chlorobenzene	10	5 U	5 U	5 U
Ethylbenzene	10	110	5 U	5 U
Styrene	10	5 U	5 U	5 U
m/p-Xylene	10	35	5 U	5 U
o-Xylene	10	86	5 U	5 U
1,3-Dichlorobenzene	10	5 U	5 U	5 U

ANALYTICAL RESULTS OF GROUNDWATER AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW - MW1 -GW2	RB-HW - MW2 -GW2	RB-HW - MW3 -GW2	RB-HW - MW4 -GW1
Time:	1410	1010	1345	1420
Date Sampled:	02/06/90	02/07/90	02/06/90	02/06/90
Date Received:	02/08/90	02/08/90	02/08/90	02/08/90
% Moisture:	NA	NA	NA	NA
Lab ID:	1657.03	1657.09	1657.02	1657.04
Matrix:	Water	Water	Water	Water
Parameter	Nominal			
Volatiles	CRDL			
	ug/L			
1,2/1,4-Dichlorobenzene	10	5 U	5 U	5 U

Footnotes:

D-- result is calculated from a greater dilution than the primary analysis.

J-- the value reported is an estimated concentration.

U-- the compound was analyzed for, but not detected.

ANALYTICAL RESULTS OF GROUNDWATER AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID:	RB-HW-MW6-GW1	RB-HW-MW7-GW1	RB-HW-MW8-GW1	RB-HW-MW9-GW1
Time:	1040	1015	0945	0900
Date Sampled:	02/07/90	02/07/90	02/07/90	02/16/90
Date Received:	02/08/90	02/08/90	02/08/90	02/20/90
% Moisture:	NA	NA	NA	NA
Lab ID:	1657.12	1657.13	1657.15	1669.01
Matrix:	Water	Water	Water	Water
Parameter	Nominal			
Volatiles	CRDL ug/L			
Chloromethane	10 U	100 U	10 U	10 U
Bromomethane	10 U	100 U	10 U	10 U
Vinyl Chloride	10 U	100 U	10 U	10 U
Chloroethane	10 U	100 U	10 U	10 U
Methylene_Chloride	10	50 UJ	5 UJ	5 U
Acrolein	10	100 U	10 U	10 U
Acetone	10	1000 UJ	100 U	100 U
Acrylonitrile	10	100 U	10 U	10 U
Carbon Disulfide	10	100 U	10 U	10 U
Trichlorofluoromethane	10	100 U	10 U	10 U
1,1-Dichloroethene	10	50 U	5 U	5 U
1,1-Dichloroethane	10	50 U	5 U	5 U
trans-1,2-Dichloroethene	10	50 U	5 U	5 U
Chloroform	10	50 U	5 U	5 U
1,2-Dichloroethane	10	50 U	5 U	5 U
2-Butanone	10	1000 U	100 U	100 U
1,1,1-Trichloroethane	10	50 U	5 U	5 U
Carbon Tetrachloride	10	50 U	5 U	5 U
Vinyl Acetate	10	500 U	50 U	50 U
Bromodichloromethane	10	50 U	5 U	5 U

ANALYTICAL RESULTS OF GROUNDWATER AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID:	RB-HW-MW6-GW1	RB-HW-MW7-GW1	RB-HW-MW8-GW1	RB-HW-MW9-GW1
Time:	1040	1015	0945	0900
Date Sampled:	02/07/90	02/07/90	02/07/90	02/16/90
Date Received:	02/08/90	02/08/90	02/08/90	02/20/90
% Moisture:	NA	NA	NA	NA
Lab ID:	1657.12	1657.13	1657.15	1669.01
Matrix:	Water	Water	Water	Water
Parameter	Nominal			
Volatiles	CRDL ug/L			
1,2-Dichloropropane	10	50 U	50 U	5 U
cis-1,3-Dichloropropene	10	5 U	50 U	5 U
Trichloroethene	10	78	50 U	5 U
Benzene	10	5 U	200	5 U
Dibromochloromethane	10	5 U	50 U	5 U
1,1,2-Trichloroethane	10	5 U	50 U	5 U
trans-1,3-Dichloropropene	10	5 U	50 U	5 U
2-Chloroethylvinylether	10	10 U	100 U	10 U
Bromoform	10	5 U	50 U	5 U
2-Hexanone	10	50 U	500 U	50 U
4-Methyl-2-pentanone	10	50 U	500 U	50 U
Tetrachloroethene	10	5 U	50 U	5 U
1,1,2,2-Tetrachloroethane	10	5 U	50 U	5 U
Toluene	10	5 U	50 U	5 U
Chlorobenzene	10	5 U	50 U	5 U
Ethylbenzene	10	5 U	90	5 U
Styrene	10	5 U	50 U	5 U
m/p-Xylene	10	5 U	21 J	5 U
o-Xylene	10	5 U	70	5 U
1,3-Dichlorobenzene	10	5 U	50 U	5 U

ANALYTICAL RESULTS OF GROUNDWATER AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID:

RB-HW-
MW6-GW1

RB-HW-
MW7-GW1

RB-HW-
MW8-GW1

RB-HW-
MW9-GW1

Time:

1040

1015

0945

0900

Date Sampled:

02/07/90

02/07/90

02/07/90

02/16/90

Date Received:

02/08/90

02/08/90

02/08/90

02/20/90

% Moisture:

NA

NA

NA

NA

Lab ID:

1657.12

1657.13

1657.15

1669.01

Matrix:

Water

Water

Water

Water

Parameter

Volatiles

Nominal
CRDL
ug/L

1,2/1,4-Dichlorobenzene

10

5 U

50 U

5 U

5 U

Footnotes:

D-- result is calculated from a greater dilution than the primary analysis.

J-- the value reported is an estimated concentration.

U-- the compound was analyzed for, but not detected.

ANALYTICAL RESULTS OF GROUNDWATER AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW - D8	RB-HW - D9
Time:	1015	0955
Date Sampled:	02/07/90	02/07/90
Date Received:	02/09/90	02/08/90
% Moisture:		NA
Lab ID:	1660.02	1657.10
Matrix:	Water	Water
Parameter		
Volatiles		
Chloromethane	10	10 U
Bromomethane	10	10 U
Vinyl Chloride	10	10 U
Chloroethane	10	10 U
Methylene_Chloride	10	5 UJ
Acrolein	10	10 U
Acetone	10	100 U
Acrylonitrile	10	10 U
Carbon Disulfide	10	10 U
Trichlorofluoromethane	10	10 U
1,1 - Dichloroethene	10	5 U
1,1 - Dichloroethane	10	5 U
trans - 1,2 - Dichloroethene	10	5 U
Chloroform	10	5 U
1,2 - Dichloroethane	10	5 U
2 - Butanone	10	100 U
1,1,1 - Trichloroethane	10	5 U
Carbon Tetrachloride	10	5 U
Vinyl Acetate	10	50 U
Bromodichloromethane	10	5 U

ANALYTICAL RESULTS OF GROUNDWATER AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW-D8	RB-HW-D9
Time:	1015	0955
Date Sampled:	02/07/90	02/07/90
Date Received:	02/09/90	02/08/90
% Moisture:		NA
Lab ID:	1680.02	1657.10
Matrix:	Water	Water
Parameter		
Volatiles	Nominal CRDL ug/L	
1,2-Dichloropropane	10	5 U
cis-1,3-Dichloropropene	10	5 U
Trichloroethene	10	5 U
Benzene	10	5 U
Dibromochloromethane	10	5 U
1,1,2-Trichloroethane	10	5 U
trans-1,3-Dichloropropene	10	5 U
2-Chloroethylvinylether	10	5 U
Bromoform	10	10 U
2-Hexanone	10	5 U
4-Methyl-2-pentanone	10	50 U
Tetrachloroethene	10	50 U
1,1,2,2-Tetrachloroethane	10	5 U
Toluene	10	5 U
Chlorobenzene	10	5 U
Ethylbenzene	10	5 U
Styrene	10	5 U
m/p-Xylene	10	5 U
o-Xylene	10	5 U
1,3-Dichlorobenzene	10	5 U

ANALYTICAL RESULTS OF GROUNDWATER AT THE HWSA RICKENBACKER ANGB--OHIO

Sample ID:	RB-HW-D8	RB-HW-D9
Time:	1015	0955
Date Sampled:	02/07/90	02/07/90
Date Received:	02/09/90	02/08/90
% Moisture:		NA
Lab ID:	1660.02	1657.10
Matrix:	Water	Water
Parameter	Nominal	
Volatiles	CRDL	
	ug/L	
1,2/1,4-Dichlorobenzene	10	5 U

Footnotes:

D-- result is calculated from a greater dilution than the primary analysis.

J-- the value reported is an estimated concentration.

U-- the compound was analyzed for, but not detected.

ANALYTICAL RESULTS OF GROUNDWATER AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID: :

RB-HW-
MW1-GW2RB-HW-
MW2-GW2RB-HW-
MW3-GW2RB-HW-
MW4-GW1

Time:

1410

1345

1420

Date Sampled:

02/08/90

02/06/90

02/06/90

Date Received:

02/08/90

02/08/90

02/08/90

% Moisture:

NA

NA

NA

Lab ID:

1657.03

1657.02

1657.04

Matrix:

Water

Water

Water

Parameter
Semi - Volatiles
Nominal
CRDL
ug/L

Dimethylphthalate

10

10 U

10 J

10 U

Acenaphthylene

10

10 U

10 J

10 U

2,6-Dinitrotoluene

10

10 U

10 J

10 U

3-Nitroaniline

50

50 U

50 J

50 U

Acenaphthene

10

10 U

10 J

10 U

Dibenzofuran

10

10 U

10 J

10 U

2,4-Dinitrotoluene

10

10 U

10 J

10 U

Fluorene

10

10 U

10 J

10 U

Diethylphthalate

10

10 U

10 J

10 U

4-Chlorophenyl-phenylether

10

10 U

10 J

10 U

4-Nitroaniline

50

50 U

50 J

50 U

N-Nitrosodiphenylamine

10

10 U

10 J

10 U

4-Bromophenyl-phenylether

10

10 U

10 J

10 U

Hexachlorobenzene

10

10 U

10 J

10 U

Phenanthrene

10

10 U

10 J

10 U

Anthracene

10

10 U

10 J

10 U

Di-n-Butylphthalate

10

10 U

10 J

10 U

Fluoranthene

10

10 U

10 J

10 U

Pyrene

10

10 U

10 J

10 U

Butylbenzylphthalate

10

10 U

10 J

10 U

ANALYTICAL RESULTS OF GROUNDWATER AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID: :	RB-HW - MW1 -GW2	RB-HW - MW2 -GW2	RB-HW - MW3 -GW2	RB-HW - MW4 -GW1
Time:	1410	1010	1345	1420
Date Sampled:	02/06/90	02/07/90	02/06/90	02/06/90
Date Received:	02/08/90	02/08/90	02/08/90	02/08/90
% Moisture:	NA	NA	NA	NA
Lab ID:	1657.03	1657.09	1657.02	1657.04
Matrix:	Water	Water	Water	Water
Parameter	Nominal			
Semi - Volatiles	CRDL			
	ug/L			
Benzo(a)Anthracene	10 U	10 U	10 J	10 U
3,3' - Dichlorobenzidine	20 U	20 U	20 J	20 U
Chrysene	10 U	10 U	10 J	10 U
bis(2 - Ethylhexyl) Phthalate	10 U	10 U	10 J	10 U
Di - n - octylphthalate	10 U	10 U	10 J	10 U
Benzo(b)Fluoranthene	10 U	10 U	10 J	10 U
Benzo(k)Fluoranthene	10 U	10 U	10 J	10 U
Benzo(a)Pyrene	10 U	10 U	10 J	10 U
Indeno(1,2,3 - cd)Pyrene	10 U	10 U	10 J	10 U
Dibenz(a,h)Anthracene	10 U	10 U	10 J	10 U
Benzo(g,h,i)Perylene	10 U	10 U	10 J	10 U

Footnotes:

J - - the value reported is an estimated concentration.
 U - - the compound was analyzed for, but not detected.

ANALYTICAL RESULTS OF GROUNDWATER AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID: :	RB-HW-MW6-GW1	RB-HW-MW7-GW1	RB-HW-MW8-GW1	RB-HW-MW9-GW1
Time:	1040	1015	0945	0900
Date Sampled:	02/07/90	02/07/90	02/07/90	02/16/90
Date Received:	02/08/90	02/08/90	02/08/90	02/20/90
% Moisture:	NA	NA	NA	NA
Lab ID:	1657.12	1657.13	1657.15	1669.01
Matrix:	Water	Water	Water	Water
Parameter	Nominal			
Semi-Volatiles	CRDL ug/L			
Dimethylphthalate	10 U	10 U	10 U	10 U
Acenaphthylene	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U
3-Nitroaniline	50 U	50 U	50 U	50 U
Acenaphthene	10 U	10 U	10 U	10 U
Dibenzofuran	10 U	10 U	10 U	10 U
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U
Fluorene	10 U	10 U	10 U	10 U
Diethylphthalate	10 U	10 U	10 U	10 U
4-Chlorophenyl-phenylether	10 U	10 U	10 U	10 U
4-Nitroaniline	50 U	50 U	50 U	50 U
N-Nitrosodiphenylamine	10 U	10 U	10 U	10 U
4-Bromophenyl-phenylether	10 U	10 U	10 U	10 U
Hexachlorobenzene	10 U	10 U	10 U	10 U
Phenanthrene	10 U	10 U	10 U	10 U
Anthracene	10 U	10 U	10 U	10 U
Di-n-Butylphthalate	10 U	10 U	10 U	10 U
Fluoranthene	10 U	10 U	10 U	10 U
Pyrene	10 U	10 U	10 U	10 U
Butylbenzylphthalate	10 U	10 U	10 U	10 U

ANALYTICAL RESULTS OF GROUNDWATER AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID: :

Well	Well	Well	Well
RB-HW- MW6-GW1	RB-HW- MW7-GW1	RB-HW- MW8-GW1	RB-HW- MW9-GW1

Time:

Date Sampled:

Date Received:

% Moisture:

1015	0945	0900
02/07/90	02/07/90	02/16/90
02/08/90	02/08/90	02/20/90
NA	NA	NA

Lab ID:

1657.12	1657.13	1657.15	1659.01

Matrix:

Water	Water	Water

Parameter	Nominal CRDL ug/L
Semi – Volatiles	

Benzo(a)Anthracene	10	10 U	10 U
3,3'-Dichlorobenzidine	10	20 U	20 U
Chrysene	10	10 U	10 U
bis(2-Ethylhexyl)Phthalate	10	10 U	10 U
Di-n-octylphthalate	10	10 U	10 U
Benzo(b)Fluoranthene	10	10 U	10 U
Benzo(k)Fluoranthene	10	10 U	10 U
Benzo(a)Pyrene	10	10 U	10 U
Indeno(1,2,3-cd)Pyrene	10	10 U	10 U
Dibenz(a,h)Anthracene	10	10 U	10 U
Benzo(g,h,i)Perylene	10	10 U	10 U

Footnotes:

J--the value reported is an estimated concentration.
U--the compound was analyzed for, but not detected.

ANALYTICAL RESULTS OF GROUNDWATER AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID: :	RB-HW-D8	RB-HW-D9
Time:	1015	0955
Date Sampled:	02/07/90	02/07/90
Date Received:	02/09/90	02/08/90
% Moisture:		NA
Lab ID:	1660.02	1657.10
Matrix:	Water	Water
Parameter		
Semi-Volatiles		
N-Nitroso-Dimethylamine	Not	10 U
bis(2-Chloroethyl)ether	Analyzed	10 U
1,3-Dichlorobenzene		10 U
1,4-Dichlorobenzene		10 U
Benzyl Alcohol		10 U
1,2-Dichlorobenzene		10 U
bis(2-chloroisopropyl)Ether		10 U
N-Nitroso-Di-n-Propylamine		10 U
Hexachloroethane		10 U
Nitrobenzene		10 U
Isophorone		10 U
bis(2-Chloroethoxy)methane		10 U
1,2,4-Trichlorobenzene		10 U
Naphthalene		10 U
4-Chloroaniline		10 U
Hexachlorobutadiene		10 U
2-Methylnaphthalene		5 J
Hexachlorocyclopentadiene		10 U
2-Chloronaphthalene		10 U
2-Nitroaniline		50 U

ANALYTICAL RESULTS OF GROUNDWATER AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID: :	RB-HW-D8	RB-HW-D9
Time:	1015	0955
Date Sampled:	02/07/90	02/07/90
Date Received:	02/09/90	02/08/90
% Moisture:		NA
Lab ID:	1660.02	1657.10
Matrix:	Water	Water
Parameter		
Semi-Volatiles		
Dimethylphthalate	10	10 U
Acenaphthylene	10	10 U
2,6-Dinitrotoluene	10	10 U
3-Nitroaniline	50	50 U
Acenaphthene	10	10 U
Dibenzofuran	10	10 U
2,4-Dinitrotoluene	10	10 U
Fluorene	10	10 U
Diethylphthalate	10	10 U
4-Chlorophenyl-phenylether	10	10 U
4-Nitroaniline	50	50 U
N-Nitrosodiphenylamine	10	10 U
4-Bromophenyl-phenylether	10	10 U
Hexachlorobenzene	10	10 U
Phenanthrene	10	10 U
Anthracene	10	10 U
Di-n-Butylphthalate	10	10 U
Fluoranthene	10	10 U
Pyrene	10	10 U
Butylbenzylphthalate	10	10 U
	Nominal CRDL ug/L	

ANALYTICAL RESULTS OF GROUNDWATER AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID:

RB-HW-
MW3-GW2

RB-HW-
MW3-GW2
Filtered

RB-HW-
MW4-GW1

RB-HW-
MW4-GW1
Filtered

Time:

1345

1420

Date Sampled:

02/06/90

02/06/90

Date Received:

02/08/90

02/08/90

% Solids:

NA

NA

Lab ID:

1657.02

1657.02

1657.04

1657.04

Matrix:

C
Water

D
Water

C
Water

D
Water

Parameter
Metals

Nominal
CRDL
ug/L

Antimony

60

40.2 U

34.6 U

34.6 U

40.2 U

Arsenic

10

5.9 B

2.0 B

18.5

1.5 U

Beryllium

5

2.3 U

3.8 U

3.8 U

2.3 U

Cadmium

5

1.9 U

4.8 U

4.8 U

1.9 U

Chromium

10

8.7 U

9.8 U

39.0

8.7 U

Copper

25

7 B

6.0 U

73.0

4.1 U

Lead

3

9.7 J

5.3

27.1 S

12.5

Mercury

0.2

0.1 U

0.1 U

0.1 U

0.1 U

Nickel

40

23.6 U

31.1 U

73.0

23.6 U

Selenium

5

1.7 U

1.4 U

1.5 BW

1.7 UW

Silver

10

6.6 U

8.9 U

8.9 U

6.6 U

Thallium

10

0.9 U

0.9 U

0.9 U

0.9 U

Zinc

20

35 J

17.0 BJ

340

10 BJ

ANALYTICAL RESULTS OF GROUNDWATER AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:

RB-HW -
MW7-GW1
Filtered
1015
02/07/90
02/08/90
NA

RB-HW -
MW7-GW1
1015
02/07/90
02/08/90
NA

RB-HW -
MW6-GW1
Filtered
1040
02/07/90
02/08/90
NA

RB-HW -
MW6-GW1
1040
02/07/90
02/08/90
NA

Time:

Date Sampled:

Date Received:

% Solids:

Lab ID:

1657.13

Matrix:

D
Water

Nominal
CRDL
ug/L

1657.13

C
Water

1657.12

D
Water

1657.12

C
Water

Parameter
Metals

Antimony
Arsenic
Beryllium
Cadmium
Chromium
Copper
Lead
Mercury
Nickel
Selenium
Silver
Thallium
Zinc

60
10
5
5
10
25
3
0.2
40
5
10
10
20

35.3 U
9.2 BW
3.9 U
4.9 U
32.6
101
84.0
0.1 U
83.6
13.0 B
9.1 U
0.9 U
455

40.2 U
1.5 U
2.3 U
1.9 U
8.7 U
4.1 U
3.1 J
0.1 U
23.6 U
1.7 U
6.6 U
0.9 U
5 BJ

34.6 U
17.9
3.8 U
4.8 U
27.0
31.0
25.8 +
0.1 U
31.1 U
1.4 UW
8.9 U
0.9 U
168

40.2 U
6.9 B
2.3 U
1.9 U
8.7 U
4.1 U
4.9 J
0.1 U
23.6 U
1.7 U
6.6 U
0.9 U
8 BJ

ANALYTICAL RESULTS OF GROUNDWATER AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID:	RB-HW-MW8-GW1	RB-HW-MW8-GW1 Filtered	RB-HW-MW9-GW1	RB-HW-MW9-GW1 Filtered
Time:	0945	0945	0900	0900
Date Sampled:	02/07/90	02/07/90	02/16/90	02/16/90
Date Received:	02/08/90	02/08/90	02/20/90	02/20/90
% Solids:	NA	NA	NA	NA
Lab ID:	1657.15	1657.15	1669.01	1669.01
Matrix:	C Water	D Water	C Water	D Water
Parameter Metals	Nominal CRDL ug/L			
Antimony	60	34.6 U	40.2 U	40.2 U
Arsenic	10	1.7 BW	3.1 BW	8.4 BS
Beryllium	5	3 B	3.8 U	2.3 U
Cadmium	5	1.9 U	4.8 U	1.9 U
Chromium	10	65	9.8 U	24
Copper	25	135	6.0 U	15 B
Lead	3	58.1	6.0	33.3
Mercury	0.2	0.1 U	0.1 U	0.1 U
Nickel	40	134	31.1 U	23.6 U
Selenium	5	1.7 UW	1.4 U	1.7 UW
Silver	10	6.6 U	8.9 U	6.6 U
Thallium	10	0.9 U	0.9 U	0.9 U
Zinc	20	642	21.0 J	62
				13 BJ

ANALYTICAL RESULTS OF GROUNDWATER AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW - D8	RB-HW - D9
Time:	1015	0955
Date Sampled:	02/07/90	02/07/90
Date Received:	02/09/90	02/08/90
% Solids:	NA	NA
Lab ID:	1660.02	1657.10
Matrix:	C Water	C Water
Parameter		
Metals		
	Nominal	
	CRDL	
	ug/L	
Antimony	60	40.2 U
Arsenic	10	1.8 B
Beryllium	5	3 B
Cadmium	5	1.9 U
Chromium	10	50
Copper	25	102
Lead	3	75.1 S
Mercury	0.2	0.1 U
Nickel	40	86
Selenium	5	1.7 UW
Silver	10	6.6 U
Thallium	10	0.9 U
Zinc	20	390
		24 J
		6 B
		16.4 S
		0.1 U
		23.6 U
		1.7 U
		6.6 U
		0.9 U
		24 J

ANALYTICAL RESULTS OF GROUNDWATER AT THE HWSA RICKENBACKER ANGB - OHIO

Footnotes:

- + - - - correlation coefficient for the MSA is less than 0.995.
- B - - - reported value is less than the reporting limit, but greater than the IDL.
- J - - - the value reported is an estimated concentration.
- S - - - reported value was determined by the Method of Standard Additions.
- U - - - compound was analyzed for, but not detected.
- W - - - post digestion spike for Furnace AA analysis out of control limits (85 - 115%), while sample absorbance is less than 50% of spike absorbance.

ANALYTICAL RESULTS OF FIELD, RINSE, AND TRIP BLANKS AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID: :	RB-HW - FB3	RB-HW - FB3 Duplicate	RB-HW - FB4	RB-HW - FB5
Time:	1600	1600	1610	1040
Date Sampled:	01/22/90	01/22/90	01/22/90	01/29/90
Date Received:	01/19/90	01/19/90	01/19/90	01/19/90
% Moisture:	NA		NA	
Lab ID:	1630.09 C	1630.09 C	1630.10 C	1643.01
Matrix:	Water	Water	Water	Water
Parameter Volatiles	Nominal CRDL ug/L			
Chloromethane	10	10 U	10 U	Not Analyzed
Bromomethane	10	10 U	10 U	
Vinyl Chloride	10	10 U	10 U	
Chloroethane	10	10 U	10 U	
Methylene_Chloride	10	5 U	15 B	
Acrolein	10	10 U	10 U	
Acetone	10	5 U	16 J	
Acrylonitrile	10	10 U	10 U	
Carbon Disulfide	10	10 U	10 U	
Trichlorofluoromethane	10	10 U	10 U	
1,1-Dichloroethene	10	5 U	5 U	
1,1-Dichloroethane	10	5 U	5 U	
trans-1,2-Dichloroethene	10	5 U	5 U	
Chloroform	10	4 J	4 J	
1,2-Dichloroethane	10	5 U	5 U	
2-Butanone	10	100 U	100 U	
1,1,1-Trichloroethane	10	9	7	
Carbon Tetrachloride	10	5 U	5 U	
Vinyl Acetate	10	50 U	50 U	

ANALYTICAL RESULTS OF FIELD, RINSE, AND TRIP BLANKS AT THE HWSA RICKENBACKER ANGB--OHIO

Sample ID:	RB--HW-- FB5	RB--HW-- FB5	RB--HW-- FB6	RB--HW-- FB7
Time:	Duplicate 1040	1040	1600	1430
Date Sampled:	01/29/90	01/29/90	01/29/90	02/06/90
Date Received:	01/19/90	01/30/90	01/30/90	02/08/90
% Moisture:	NA	NA	NA	NA
Lab ID:	1643.01	1643.01	1643.02	1657.05
Matrix:	Water	Water	Water	Water
Parameter	Nominal CRDL ug/L			
Volatiles				
Chloromethane	10	10 U	10 U	10 U
Bromomethane	10	10 U	10 U	10 U
Vinyl Chloride	10	10 U	10 U	10 U
Chloroethane	10	10 U	10 U	10 U
Methylene_Chloride	10	11 B	5 U	5 U
Acrolein	10	10 U	10 U	10 U
Acetone	10	15 J	5 J	100 U
Acrylonitrile	10	10 U	10 U	10 U
Carbon Disulfide	10	10 U	10 U	10 U
Trichlorofluoromethane	10	10 U	10 U	10 U
1,1-Dichloroethene	10	5 U	5 U	5 U
1,1-Dichloroethane	10	5 U	5 U	5 U
trans-1,2-Dichloroethene	10	5 U	5 U	5 U
Chloroform	10	2 J	3 J	13
1,2-Dichloroethane	10	5 U	5 U	5 U
2-Butanone	10	100 U	100 U	100 U
1,1,1-Trichloroethane	10	5 U	5 U	5 U
Carbon Tetrachloride	10	5 U	5 U	5 U
Vinyl Acetate	10	50 U	50 U	50 U

ANALYTICAL RESULTS OF FIELD, RINSE, AND TRIP BLANKS AT THE HWSA RICKENBACKER ANGB--OHIO

Sample ID:

RB-HW - FB5	RB-HW - FB6	RB-HW - FB7

Time:

1430

Date Sampled:

02/06/90

Date Received:

02/08/90

% Moisture:

NA

Lab ID:

1657.05

Matrix:

Water

Nominal
CRDL
ug/L

Parameter
Volatiles

o-Xylene

10

5 U

5 U

1,3-Dichlorobenzene

10

5 U

5 U

1,2/1,4-Dichlorobenzene

10

5 U

5 U

Footnotes:

B-- the analyte is found in the associated blank as well as in the sample

J-- the value reported is an estimated concentration.

U-- the compound was analyzed for, but not detected.

ANALYTICAL RESULTS OF FIELD, RINSE, AND TRIP BLANKS AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID:

RB-HW-
FB8RB-HW-
FB9RB-HW-
FB10RB-HW-
RB2

Time:

1440

0930

1550

Date Sampled:

02/06/90

02/16/90

01/22/90

Date Received:

02/08/90

02/20/90

01/19/90

% Moisture:

NA

NA

NA

Lab ID:

1657.06

1669.05

1630.11

Matrix:

Water

Water

Water

Nominal
CRDL
ug/LParameter
Volatiles

Chloromethane

10

10 U

10 U

10 U

10 U

Bromomethane

10

10 U

10 U

10 U

10 U

Vinyl Chloride

10

10 U

10 U

10 U

10 U

Chloroethane

10

10 U

10 U

10 U

10 U

Methylene_Chloride

10

21

5 U

4 J

8 B

Acrolein

10

10 U

10 U

10 U

10 U

Acetone

10

100 U

100 U

100 U

100 U

Acrylonitrile

10

10 U

10 U

10 U

10 U

Carbon Disulfide

10

10 U

10 U

10 U

10 U

Trichlorofluoromethane

10

10 U

10 U

10 U

10 U

1,1-Dichloroethene

10

5 U

5 U

5 U

5 U

1,1-Dichloroethane

10

5 U

5 U

5 U

5 U

trans-1,2-Dichloroethene

10

5 U

5 U

5 U

5 U

Chloroform

10

6

5 U

11

2 J

1,2-Dichloroethane

10

5 U

5 U

5 U

5 U

2-Butanone

10

100 U

100 U

100 U

100 U

1,1,1-Trichloroethane

10

2 J

5 U

8

4 J

Carbon Tetrachloride

10

5 U

5 U

5 U

5 U

Vinyl Acetate

10

50 U

50 U

50 U

50 U

ANALYTICAL RESULTS OF FIELD, RINSE, AND TRIP BLANKS AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID:

RB-HW-
FB8RB-HW-
FB9RB-HW-
FB10RB-HW-
RB2

Time:

1440

0930

1550

Date Sampled:

02/06/90

02/16/90

01/22/90

Date Received:

02/08/90

02/20/90

01/19/90

% Moisture:

NA

NA

NA

Lab ID:

1657.06

1669.05

1630.11

Matrix:

Water

Water

Water

Nominal
CRDL
ug/LParameter
Volatiles

Bromodichloromethane
1,2-Dichloropropane
cis-1,3-Dichloropropene
Trichloroethene
Benzene
Dibromochloromethane
1,1,2-Trichloroethane
trans-1,3-Dichloropropene
2-Chloroethylvinylether
Bromoform
2-Hexanone
4-Methyl-2-pentanone
Tetrachloroethene
1,1,2,2-Tetrachloroethane
Toluene
Chlorobenzene
Ethylbenzene
Styrene
m/p-Xylene

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5 U
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2 J
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ANALYTICAL RESULTS OF FIELD, RINSE, AND TRIP BLANKS AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:

RB-HW - FB8 RB-HW - FB9 RB-HW - FB10 RB-HW - RB2

Time:

1440 0930 0925 1550
Date Sampled: 02/06/90 02/16/90 02/22/90
Date Received: 02/08/90 02/20/90 01/19/90
% Moisture: NA NA NA

Lab ID:

1657.06 1669.05 1669.02 1630.11

Matrix:

Water Water Water Water

Parameter
Volatiles
Nominal
CRDL
ug/L

o-Xylene 10 5 U 5 U 5 U
1,3-Dichlorobenzene 10 5 U 5 U 5 U
1,2/1,4-Dichlorobenzene 10 5 U 5 U 5 U

Footnotes:

B--the analyte is found in the associated blank as well as in the sample
J--the value reported is an estimated concentration.
U--the compound was analyzed for, but not detected.

ANALYTICAL RESULTS OF FIELD, RINSE, AND TRIP BLANKS AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:

RB-HW -
RB4RB-HW -
RB5RB-HW -
RB6RB-HW -
RB7

Time:

1520

1230

1445

Date Sampled:

01/24/90

01/26/90

01/29/90

Date Received:

01/19/90

01/30/90

01/30/90

% Moisture:

NA

NA

NA

Lab ID:

1636.05

1637.07

1643.10

1643.06

Matrix:

Water

Water

Water

Water

Nominal
CRDL
ug/LParameter
Volatiles

Chloromethane

10 U

10 U

10 U

10 U

Bromomethane

10 U

10 U

10 U

10 U

Vinyl Chloride

10 U

10 U

10 U

10 U

Chloroethane

10 U

10 U

10 U

10 U

Methylene_Chloride

10 B

14 B

11 B

9 B

Acrolein

10 U

10 U

10 U

10 U

Acetone

8 J

100 U

16 J

13 J

Acrylonitrile

10 U

10 U

10 U

10 U

Carbon Disulfide

10 U

10 U

10 U

10 U

Trichlorofluoromethane

5 U

5 U

5 U

5 U

1,1-Dichloroethene

5 U

5 U

5 U

5 U

1,1-Dichloroethane

5 U

5 U

5 U

5 U

trans-1,2-Dichloroethene

3 J

3 J

2 J

2 J

Chloroform

5 U

5 U

5 U

5 U

1,2-Dichloroethane

100 U

100 U

100 U

100 U

2-Butanone

5 U

1 J

5 U

5 U

1,1,1-Trichloroethane

5 U

5 U

5 U

5 U

Carbon Tetrachloride

50 U

50 U

50 U

50 U

Vinyl Acetate

10

10

10

10

ANALYTICAL RESULTS OF FIELD, RINSE, AND TRIP BLANKS AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID:

RB-HW-
RB4RB-HW-
RB5RB-HW-
RB6RB-HW-
RB7

Time:

1520

1445

Date Sampled:

01/24/90

01/26/90

01/29/90

Date Received:

01/19/90

01/30/90

01/30/90

% Moisture:

NA

NA

NA

Lab ID:

1636.05
C

1637.07

1643.10

1643.06

Matrix:

Water

Water

Water

Water

Nominal
CRDL
ug/LParameter
Volatiles

Bromodichloromethane	10	5 U	5 U	5 U	5 U
1,2-Dichloropropane	10	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	10	5 U	5 U	5 U	5 U
Trichloroethene	10	5 U	5 U	5 U	5 U
Benzene	10	5 U	5 U	5 U	5 U
Dibromochloromethane	10	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	10	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene	10	5 U	5 U	5 U	5 U
2-Chloroethylethyl ether	10	10 U	10 U	10 U	10 U
Bromoform	10	5 U	5 U	5 U	5 U
2-Hexanone	10	50 U	50 U	50 U	50 U
4-Methyl-2-pentanone	10	50 U	50 U	50 U	50 U
Tetrachloroethene	10	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	10	5 U	5 U	5 U	5 U
Toluene	10	5 U	5 U	5 U	5 U
Chlorobenzene	10	5 U	5 U	5 U	5 U
Ethylbenzene	10	5 U	5 U	5 U	5 U
Styrene	10	5 U	5 U	5 U	5 U
m/p-Xylene	10	5 U	5 U	5 U	5 U

ANALYTICAL RESULTS OF FIELD, RINSE, AND TRIP BLANKS AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW - RB4	RB-HW - RB5	RB-HW - RB6	RB-HW - RB7
Time:	1520		1230	1445
Date Sampled:	01/24/90		01/26/90	01/29/90
Date Received:	01/19/90		01/30/90	01/30/90
% Moisture:	NA	NA	NA	NA
Lab ID:	1636.05 C	1637.07	1643.10	1643.06
Matrix:	Water	Water	Water	Water
Parameter	Nominal			
Volatiles	CRDL ug/L			
o-Xylene	10	5 U	5 U	5 U
1,3-Dichlorobenzene	10	5 U	5 U	5 U
1,2/1,4-Dichlorobenzene	10	5 U	5 U	5 U

Footnotes:

B--the analyte is found in the associated blank as well as in the sample

J--the value reported is an estimated concentration.

U--the compound was analyzed for, but not detected.

ANALYTICAL RESULTS OF FIELD, RINSE, AND TRIP BLANKS AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW - RB8	RB-HW - RB9	RB-HW - RB10	RB-HW - RB11
Time:	1630	1045	1505	1125
Date Sampled:	01/30/90	01/31/90	02/06/90	02/07/90
Date Received:	01/31/90	02/01/90	02/08/90	02/08/90
% Moisture:	NA	NA	NA	NA
Lab ID:	1645.09	1647.03	1657.07	1657.14
Matrix:	Water	Water	Water	Water
Parameter Volatiles	Nominal CRDL ug/L			
Chloromethane	10	10 U	10 U	10 U
Bromomethane	10	10 U	10 U	10 U
Vinyl Chloride	10	10 U	10 U	10 U
Chloroethane	10	10 U	10 U	10 U
Methylene_Chloride	10	13 B	12 B	18 B
Acrolein	10	10 U	10 U	10 U
Acetone	10	14 J	100 U	100 U
Acrylonitrile	10	10 U	10 U	10 U
Carbon Disulfide	10	10 U	10 U	10 U
Trichlorofluoromethane	10	10 U	10 U	10 U
1,1-Dichloroethene	10	5 U	5 U	5 U
1,1-Dichloroethane	10	5 U	5 U	5 U
trans-1,2-Dichloroethene	10	5 U	5 U	5 U
Chloroform	10	2 J	2 J	5
1,2-Dichloroethane	10	5 U	5 U	5 U
2-Butanone	10	100 U	100 U	100 U
1,1,1-Trichloroethane	10	5 U	5 U	1 J
Carbon Tetrachloride	10	5 U	5 U	5 U
Vinyl Acetate	10	50 U	50 U	50 U

ANALYTICAL RESULTS OF FIELD, RINSE, AND TRIP BLANKS AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:

RB-HW -
RB8RB-HW -
RB9RB-HW -
RB10RB-HW -
RB11

Time:

1630

1045

1505

1125

Date Sampled:

01/30/90

01/31/90

02/06/90

02/07/90

Date Received:

01/31/90

02/01/90

02/08/90

02/08/90

% Moisture:

NA

NA

NA

NA

Lab ID:

1645.09

1647.03

1657.07

1657.14

Matrix:

Water

Water

Water

Water

Nominal
CRDL
ug/LParameter
Volatiles

Bromodichloromethane
1,2-Dichloropropane
cis-1,3-Dichloropropene
Trichloroethene
Benzene
Dibromochloromethane
1,1,2-Trichloroethane
trans-1,3-Dichloropropene
2-Chloroethylvinylether
Bromoform
2-Hexanone
4-Methyl-2-pentanone
Tetrachloroethene
1,1,2,2-Tetrachloroethane
Toluene
Chlorobenzene
Ethylbenzene
Styrene
m/p-Xylene

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ANALYTICAL RESULTS OF FIELD, RINSE, AND TRIP BLANKS AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:

RB-HW - RB8 RB-HW - RB9 RB-HW - RB10 RB-HW - RB11

Time:

1630

Date Sampled:

01/30/90

Date Received:

02/07/90

% Moisture:

NA

Lab ID:

1645.09

Matrix:

Water

Parameter
Volatiles
Nominal
CRDL
ug/L

o-Xylene

10

5 U

1,3-Dichlorobenzene

10

5 U

1,2/1,4-Dichlorobenzene

10

5 U

5 U

5 U

5 U

5 U

5 U

5 U

Footnotes:

B-- the analyte is found in the associated blank as well as in the sample

J-- the value reported is an estimated concentration.

U-- the compound was analyzed for, but not detected.

ANALYTICAL RESULTS OF FIELD, RINSE, AND TRIP BLANKS AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW - RB12	RB-HW - RB13	RB-HW - TB1	RB-HW - TB2
Time:	1000	0940		
Date Sampled:	02/09/90	02/16/90		
Date Received:	02/13/90	02/20/90		
% Moisture:	NA	NA	NA	NA
Lab ID:	1665.01	1669.04	1630.12	1633.13
Matrix:	Water	Water	Water	Water
Parameter	Nominal			
Volatiles	CRDL ug/L			
Chloromethane	10 U	10 U	10 U	10 U
Bromomethane	10 U	10 U	10 U	10 U
Vinyl Chloride	10 U	10 U	10 U	10 U
Chloroethane	10 U	10 U	10 U	10 U
Methylene_Chloride	11	5 U	13 B	11 B
Acrolein	10 U	10 U	10 U	10 U
Acetone	100 U	10 J	100 U	20 J
Acrylonitrile	10 U	10 U	10 U	10 U
Carbon Disulfide	10 U	10 U	10 U	10 U
Trichlorofluoromethane	10 U	10 U	10 U	10 U
1,1-Dichloroethene	5 U	5 U	5 U	5 U
1,1-Dichloroethane	5 U	5 U	5 U	5 U
trans-1,2-Dichloroethene	5 U	5 U	5 U	5 U
Chloroform	3 J	5 U	5 U	5 U
1,2-Dichloroethane	5 U	5 U	5 U	5 U
2-Butanone	100 U	100 U	100 U	100 U
1,1,1-Trichloroethane	5 U	5 U	5 U	5 U
Carbon Tetrachloride	5 U	5 U	5 U	5 U
Vinyl Acetate	50 U	50 U	50 U	50 U
Bromodichloromethane	5 U	5 U	5 U	5 U

ANALYTICAL RESULTS OF FIELD, RINSE, AND TRIP BLANKS AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW - RB12	RB-HW - RB13	RB-HW - TB1	RB-HW - TB2
Time:	1000	0940		
Date Sampled:	02/09/90	02/16/90		
Date Received:	02/13/90	02/20/90		
% Moisture:	NA	NA	NA	NA
Lab ID:	1665.01	1669.04	1630.12	1633.13
Matrix:	Water	Water	Water	Water
Parameter Volatiles	Nominal CRDL ug/L			
1,2-Dichloropropane	10	5 U	5 U	5 U
cis-1,3-Dichloropropene	10	5 U	5 U	5 U
Trichloroethene	10	5 U	5 U	5 U
Benzene	10	5 U	5 U	5 U
Dibromochloromethane	10	5 U	5 U	5 U
1,1,2-Trichloroethane	10	5 U	5 U	5 U
trans-1,3-Dichloropropene	10	5 U	5 U	5 U
2-Chloroethylvinylether	10	10 U	10 U	10 U
Bromoform	10	5 U	5 U	5 U
2-Hexanone	10	50 U	50 U	50 U
4-Methyl-2-pentanone	10	50 U	50 U	50 U
Tetrachloroethene	10	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	10	5 U	5 U	5 U
Toluene	10	5 U	5 U	5 U
Chlorobenzene	10	5 U	5 U	5 U
Ethylbenzene	10	5 U	5 U	5 U
Styrene	10	5 U	5 U	5 U
m/p-Xylene	10	5 U	5 U	5 U
o-Xylene	10	5 U	5 U	5 U
1,3-Dichlorobenzene	10	5 U	5 U	5 U

ANALYTICAL RESULTS OF FIELD, RINSE, AND TRIP BLANKS AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW-RB12	RB-HW-RB13	RB-HW-TB1	RB-HW-TB2
Time:	1000	0940		
Date Sampled:	02/09/90	02/16/90		
Date Received:	02/13/90	02/20/90		
% Moisture:	NA	NA	NA	NA
Lab ID:	1665.01	1669.04	1630.12	1633.13
Matrix:	Water	Water	Water	Water
Parameter	Nominal			
Volatiles	CRDL ug/L			
1,2/1,4-Dichlorobenzene	10	5 U	5 U	5 U

Footnotes:

- B--the analyte is found in the associated blank as well as in the sample
- J--the value reported is an estimated concentration.
- U--the compound was analyzed for, but not detected.

ANALYTICAL RESULTS OF FIELD, RINSE, AND TRIP BLANKS AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID:

RB-HW-TB3

RB-HW-TB4

RB-HW-TB5

RB-HW-TB6

Time:

Date Sampled:

Date Received:

% Moisture:

NA

NA

NA

NA

Lab ID:

1636.06
A

1637.08

1643.09

1643.03

Matrix:

Water

Water

Water

Water

Nominal
CRDL
ug/LParameter
Volatiles

Chloromethane	10 U	10 U	10 U	10 U
Bromomethane	10 U	10 U	10 U	10 U
Vinyl Chloride	10 U	10 U	10 U	10 U
Chloroethane	10 U	10 U	10 U	10 U
Methylene_Chloride	10	12 B	22 B	18 B
Acrolein	10	10 U	10 U	10 U
Acetone	10	15 J	26 J	100 U
Acrylonitrile	10	10 U	10 U	10 U
Carbon Disulfide	10	10 U	10 U	10 U
Trichlorofluoromethane	10	10 U	10 U	10 U
1,1-Dichloroethene	10	5 U	5 U	5 U
1,1-Dichloroethane	10	5 U	5 U	5 U
trans-1,2-Dichloroethene	10	5 U	5 U	5 U
Chloroform	10	5 U	3 J	5 U
1,2-Dichloroethane	10	5 U	5 U	5 U
2-Butanone	10	100 U	100 U	100 U
1,1,1-Trichloroethane	10	5 U	1 J	5 U
Carbon Tetrachloride	10	5 U	5 U	5 U
Vinyl Acetate	10	50 U	50 U	50 U

ANALYTICAL RESULTS OF FIELD, RINSE, AND TRIP BLANKS AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID:

RB-HW-TB3

RB-HW-TB4

RB-HW-TB5

RB-HW-TB6

Time:

Date Sampled:

Date Received:

% Moisture:

NA

NA

NA

NA

Lab ID:

1636.06
A

1637.08

1643.09

1643.03

Matrix:

Water

Water

Water

Water

Nominal
CRDL
ug/LParameter
Volatiles

Bromodichloromethane
 1,2-Dichloropropane
 cis-1,3-Dichloropropene
 Trichloroethene
 Benzene
 Dibromochloromethane
 1,1,2-Trichloroethane
 trans-1,3-Dichloropropene
 2-Chloroethylvinylether
 Bromoform
 2-Hexanone
 4-Methyl-2-pentanone
 Tetrachloroethene
 1,1,2,2-Tetrachloroethane
 Toluene
 Chlorobenzene
 Ethylbenzene
 Styrene
 m/p-Xylene

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ANALYTICAL RESULTS OF FIELD, RINSE, AND TRIP BLANKS AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:

RB-HW -
TB3

RB-HW -
TB4

RB-HW -
TB5

RB-HW -
TB6

Time:

Date Sampled:

Date Received:

% Moisture:

NA

NA

NA

NA

Lab ID:

1636.06
A

1637.08

1643.09

1643.03

Matrix:

Water

Water

Water

Water

Nominal
CRDL
ug/L

Parameter
Volatiles

o-Xylene

10

5 U

1,3-Dichlorobenzene

10

5 U

1,2/1,4-Dichlorobenzene

10

5 U

5 U

5 U

5 U

5 U

5 U

5 U

Footnotes:

B-- the analyte is found in the associated blank as well as in the sample

J-- the value reported is an estimated concentration.

U-- the compound was analyzed for, but not detected.

ANALYTICAL RESULTS OF FIELD, RINSE, AND TRIP BLANKS AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID:

RB-HW-TB7

RB-HW-TB8

RB-HW-TB9

RB-HW-TB10

Time:

Date Sampled:

Date Received:

% Moisture:

NA

NA

NA

Lab ID:

1645.10

1647.04

1657.01

1657.08

Matrix:

Water

Water

Water

Water

Nominal
CRDL
ug/LParameter
Volatiles

Chloromethane

10

10 U

10 U

10 U

Bromomethane

10

10 U

10 U

10 U

Vinyl Chloride

10

10 U

10 U

10 U

Chloroethane

10

10 U

10 U

10 U

Methylene_Chloride

10

13 B

16 B

8

Acrolein

10

10 U

10 U

10 U

Acetone

10

100 U

8 J

100 U

Acrylonitrile

10

10 U

10 U

10 U

Carbon Disulfide

10

10 U

10 U

10 U

Trichlorofluoromethane

10

10 U

10 U

10 U

1,1-Dichloroethene

10

5 U

5 U

5 U

1,1-Dichloroethane

10

5 U

5 U

5 U

trans-1,2-Dichloroethene

10

5 U

5 U

5 U

Chloroform

10

5 U

5 U

5 U

1,2-Dichloroethane

10

5 U

5 U

5 U

2-Butanone

10

100 U

100 U

100 U

1,1,1-Trichloroethane

10

5 U

5 U

5 U

Carbon Tetrachloride

10

5 U

5 U

5 U

Vinyl Acetate

10

50 U

50 U

50 U

ANALYTICAL RESULTS OF FIELD, RINSE, AND TRIP BLANKS AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID:	RB-HW-RB12	RB-HW-RB13	RB-HW-TB1	RB-HW-TB2
Time:	1000	0940		
Date Sampled:	02/09/90	02/16/90		
Date Received:	02/13/90	02/20/90		
% Moisture:	NA	NA	NA	NA
Lab ID:	1665.01	1669.04	1630.12	1633.13
Matrix:	Water	Water	Water	Water
Parameter				
Volatiles				
	Nominal			
	CRDL			
	ug/L			
1,2/1,4-Dichlorobenzene	10	5 U	5 U	5 U

Footnotes:

B--the analyte is found in the associated blank as well as in the sample

J--the value reported is an estimated concentration.

U--the compound was analyzed for, but not detected.

ANALYTICAL RESULTS OF FIELD, RINSE, AND TRIP BLANKS AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:

RB-HW-TB3

RB-HW-TB4

RB-HW-TB5

RB-HW-TB6

Time:

Date Sampled:

Date Received:

% Moisture:

NA

NA

NA

NA

Lab ID:

1636.06

1637.08

1643.09

1643.03

Matrix:

A
Water

Water

Water

Water

Nominal
CRDL
ug/LParameter
Volatiles

Chloromethane	10 U	10 U	10 U	10 U
Bromomethane	10 U	10 U	10 U	10 U
Vinyl Chloride	10 U	10 U	10 U	10 U
Chloroethane	10 U	10 U	10 U	10 U
Methylene_Chloride	12 B	22 B	18 B	9 B
Acrolein	10 U	10 U	10 U	10 U
Acetone	15 J	26 J	100 U	100 U
Acrylonitrile	10 U	10 U	10 U	10 U
Carbon Disulfide	10 U	10 U	10 U	10 U
Trichlorofluoromethane	10 U	10 U	10 U	10 U
1,1-Dichloroethene	5 U	5 U	5 U	5 U
1,1-Dichloroethane	5 U	5 U	5 U	5 U
trans-1,2-Dichloroethene	5 U	5 U	5 U	5 U
Chloroform	5 U	3 J	5 U	5 U
1,2-Dichloroethane	5 U	5 U	5 U	5 U
2-Butanone	100 U	100 U	100 U	100 U
1,1,1-Trichloroethane	5 U	1 J	5 U	5 U
Carbon Tetrachloride	5 U	5 U	5 U	5 U
Vinyl Acetate	50 U	50 U	50 U	50 U

ANALYTICAL RESULTS OF FIELD, RINSE, AND TRIP BLANKS AT THE HWSA RICKENBACKER ANGB--OHIO

Sample ID:

RB--HW--
TB3RB--HW--
TB4RB--HW--
TB5RB--HW--
TB6

Time:

Date Sampled:

Date Received:

% Moisture:

NA

NA

NA

NA

Lab ID:

1636.06

1637.08

1643.09

1643.03

Matrix:

A
Water

Water

Water

Water

Nominal
CRDL
ug/LParameter
Volatiles

Bromodichloromethane
 1,2-Dichloropropane
 cis-1,3-Dichloropropene
 Trichloroethene
 Benzene
 Dibromochloromethane
 1,1,2-Trichloroethane
 trans-1,3-Dichloropropene
 2-Chloroethylvinylether
 Bromoform
 2-Hexanone
 4-Methyl-2-pentanone
 Tetrachloroethene
 1,1,2,2-Tetrachloroethane
 Toluene
 Chlorobenzene
 Ethylbenzene
 Styrene
 m/p-Xylene

10
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5 U
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ANALYTICAL RESULTS OF FIELD, RINSE, AND TRIP BLANKS AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID:

RB-HW-TB3

RB-HW-TB4

RB-HW-TB5

RB-HW-TB6

Time:

Date Sampled:

Date Received:

% Moisture:

NA

NA

NA

NA

Lab ID:

1636.06

1637.08

1643.09

1643.03

Matrix:

Water

Water

Water

Water

Nominal
CRDL
ug/LParameter
Volatiles

o-Xylene

10

5 U

5 U

5 U

5 U

1,3-Dichlorobenzene

10

5 U

5 U

5 U

5 U

1,2/1,4-Dichlorobenzene

10

5 U

5 U

5 U

5 U

Footnotes:

B---the analyte is found in the associated blank as well as in the sample

J---the value reported is an estimated concentration.

U---the compound was analyzed for, but not detected.

ANALYTICAL RESULTS OF FIELD, RINSE, AND TRIP BLANKS AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:

RB-HW-TB7

RB-HW-TB8

RB-HW-TB9

RB-HW-TB10

Time:

Date Sampled:

Date Received:

% Moisture:

NA

NA

NA

Lab ID:

1645.10

1647.04

1657.01

1657.08

Matrix:

Water

Water

Water

Water

Nominal
CRDL
ug/LParameter
Volatiles

Chloromethane

10

10 U

10 U

10 U

10 U

Bromomethane

10

10 U

10 U

10 U

10 U

Vinyl Chloride

10

10 U

10 U

10 U

10 U

Chloroethane

10

10 U

10 U

10 U

10 U

Methylene_Chloride

10

13 B

16 B

8

8

Acrolein

10

10 U

10 U

10 U

10 U

Acetone

10

100 U

8 J

100 U

100 U

Acrylonitrile

10

10 U

10 U

10 U

10 U

Carbon Disulfide

10

10 U

10 U

10 U

10 U

Trichlorofluoromethane

10

10 U

10 U

10 U

10 U

1,1-Dichloroethene

10

5 U

5 U

5 U

5 U

1,1-Dichloroethane

10

5 U

5 U

5 U

5 U

trans-1,2-Dichloroethene

10

5 U

5 U

5 U

5 U

Chloroform

10

5 U

5 U

5 U

5 U

1,2-Dichloroethane

10

5 U

5 U

5 U

5 U

2-Butanone

10

100 U

100 U

100 U

100 U

1,1,1-Trichloroethane

10

5 U

5 U

5 U

5 U

Carbon Tetrachloride

10

5 U

5 U

5 U

5 U

Vinyl Acetate

10

50 U

50 U

50 U

50 U

ANALYTICAL RESULTS OF FIELD, RINSE, AND TRIP BLANKS AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID:

RB-HW-TB7

RB-HW-TB8

RB-HW-TB9

RB-HW-TB10

Time:

Date Sampled:

Date Received:

% Moisture:

NA

NA

NA

Lab ID:

1645.10

1647.04

1657.01

1657.08

Matrix:

Water

Water

Water

Water

Nominal
CRDL
ug/LParameter
Volatiles

Bromodichloromethane
1,2-Dichloropropane
cis-1,3-Dichloropropene
Trichloroethene
Benzene
Dibromochloromethane
1,1,2-Trichloroethane
trans-1,3-Dichloropropene
2-Chloroethylvinylether
Bromoform
2-Hexanone
4-Methyl-2-pentanone
Tetrachloroethene
1,1,2,2-Tetrachloroethane
Toluene
Chlorobenzene
Ethylbenzene
Styrene
m/p-Xylene

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ANALYTICAL RESULTS OF FIELD, RINSE, AND TRIP BLANKS AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:

RB-HW -
TB7

RB-HW -
TB8

RB-HW -
TB9

RB-HW -
TB10

Time:

Date Sampled:

Date Received:

% Moisture:

NA

NA

NA

Lab ID:

1645.10

1647.04

1657.01

1657.08

Matrix:

Water

Water

Water

Water

Parameter
Volatiles
Nominal
CRDL
ug/L

o-Xylene

10

5 U

5 U

5 U

5 U

1,3-Dichlorobenzene

10

5 U

5 U

5 U

5 U

1,2/1,4-Dichlorobenzene

10

5 U

5 U

5 U

5 U

Footnotes:

B--the analyte is found in the associated blank as well as in the sample

J--the value reported is an estimated concentration.

U--the compound was analyzed for, but not detected.

ANALYTICAL RESULTS OF FIELD, RINSE, AND TRIP BLANKS AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:

RB-HW-TB11

RB-HW-TB12

RB-HW-TB13

RB-HW-TB14

Time:

Date Sampled:

Date Received:

% Moisture:

NA

NA

Lab ID:

1657.11

1660.01

1665.02

1669.03

Matrix:

Water

Water

Water

Water

Nominal
CRDL
ug/LParameter
Volatiles

Chloromethane
Bromomethane
Vinyl Chloride
Chloroethane
Methylene_Chloride
Acrolein
Acetone
Acrylonitrile
Carbon Disulfide
Trichlorofluoromethane
1,1-Dichloroethene
1,1-Dichloroethane
trans-1,2-Dichloroethene
Chloroform
1,2-Dichloroethane
2-Butanone
1,1,1-Trichloroethane
Carbon Tetrachloride
Vinyl Acetate

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5 U
50 U

ANALYTICAL RESULTS OF FIELD, RINSE, AND TRIP BLANKS AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:

RB-HW -
TB11RB-HW -
TB12RB-HW -
TB13RB-HW -
TB14

Time:

Date Sampled:

Date Received:

% Moisture:

NA

NA

Lab ID:

1657.11

1660.01

1665.02

1669.03

Matrix:

Water

Water

Water

Water

Nominal
CRDL
ug/LParameter
Volatiles

Bromodichloromethane
1,2-Dichloropropane
cis-1,3-Dichloropropene
Trichloroethene
Benzene
Dibromochloromethane
1,1,2-Trichloroethane
trans-1,3-Dichloropropene
2-Chloroethylvinylether
Bromoform
2-Hexanone
4-Methyl-2-pentanone
Tetrachloroethene
1,1,2,2-Tetrachloroethane
Toluene
Chlorobenzene
Ethylbenzene
Styrene
m/p-Xylene

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ANALYTICAL RESULTS OF FIELD, RINSE, AND TRIP BLANKS AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:

RB-HW-TB11

RB-HW-TB12

RB-HW-TB13

RB-HW-TB14

Time:

Date Sampled:

Date Received:

% Moisture:

NA

NA

Lab ID:

1657.11

1660.01

1665.02

1669.03

Matrix:

Water

Water

Water

Water

Parameter
Volatiles
Nominal
CRDL
ug/L

o-Xylene

5 U

5 U

5 U

1,3-Dichlorobenzene

5 U

5 U

5 U

1,2/1,4-Dichlorobenzene

5 U

5 U

5 U

Footnotes:

B--the analyte is found in the associated blank as well as in the sample

J--the value reported is an estimated concentration.

U--the compound was analyzed for, but not detected.

ANALYTICAL RESULTS OF FIELD, RINSE, AND TRIP BLANKS AT THE HWSA RICKENBACKER ANGB--OHIO

Sample ID:

RB--HW--
TB15

Time:

Date Sampled:

Date Received:

% Moisture:

NA

Lab ID:

1669.06

Matrix:

Water

Parameter Volatiles	Nominal CRDL ug/L

Chloromethane

10 U

Bromomethane

10 U

Vinyl Chloride

10 U

Chloroethane

10 U

Methylene_Chloride

5 U

Acrolein

10 U

Acetone

100 U

Acrylonitrile

10 U

Carbon Disulfide

10 U

Trichlorofluoromethane

10 U

1,1-Dichloroethene

5 U

1,1-Dichloroethane

5 U

trans-1,2-Dichloroethene

5 U

Chloroform

5 U

1,2-Dichloroethane

5 U

2-Butanone

100 U

1,1,1-Trichloroethane

5 U

Carbon Tetrachloride

5 U

Vinyl Acetate

50 U

Bromodichloromethane

5 U

ANALYTICAL RESULTS OF FIELD, RINSE, AND TRIP BLANKS AT THE HWSA RICKENBACKER ANGB--OHIO

Sample ID:	RB-HW-TB15		
Time:			
Date Sampled:			
Date Received:			
% Moisture:	NA		
Lab ID:	1669.06		
Matrix:	Water		
Parameter		Nominal	
Volatiles		CRDL	ug/L
1,2-Dichloropropane		10	5 U
cis-1,3-Dichloropropene		10	5 U
Trichloroethene		10	5 U
Benzene		10	5 U
Dibromochloromethane		10	5 U
1,1,2-Trichloroethane		10	5 U
trans-1,3-Dichloropropene		10	5 U
2-Chloroethyvinylether		10	10 U
Bromoform		10	5 U
2-Hexanone		10	50 U
4-Methyl-2-pentanone		10	50 U
Tetrachloroethene		10	5 U
1,1,2,2-Tetrachloroethane		10	5 U
Toluene		10	5 U
Chlorobenzene		10	5 U
Ethylbenzene		10	5 U
Styrene		10	5 U
m/p-Xylene		10	5 U
o-Xylene		10	5 U
1,3-Dichlorobenzene		10	5 U

ANALYTICAL RESULTS OF FIELD, RINSE, AND TRIP BLANKS AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID: RB-HW-TB15

Time:
 Date Sampled:
 Date Received:
 % Moisture: NA

Lab ID: 1669.06

Matrix: Water

Parameter
 Volatiles
 Nominal
 CRDL
 ug/L

1,2/1,4-Dichlorobenzene 10 5 U

Footnotes:

- B--the analyte is found in the associated blank as well as in the sample
- J--the value reported is an estimated concentration.
- U--the compound was analyzed for, but not detected.

ANALYTICAL RESULTS OF FIELD, RINSE, AND TRIP BLANKS AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW - FB1	RB-HW - FB2	RB-HW - FB3	RB-HW - FB3
Time:	1200	1200	1600	Duplicate
Date Sampled:	01/18/90	01/18/90	01/22/90	1600
Date Received:	01/19/90	01/19/90	01/19/90	01/22/90
% Moisture:	NA	NA	NA	01/19/90
Lab ID:	1627.34	1627.35	1630.09	1630.09
Matrix:	B Water	B Water	C Water	C Water
Parameter Semi - Volatiles	Nominal CRDL ug/L			
N - Nitroso - Dimethylamine	10	10 U	10 U	10 U
bis(2 - Chloroethyl) ether	10	10 U	10 U	10 U
1,3 - Dichlorobenzene	10	10 U	10 U	10 U
1,4 - Dichlorobenzene	10	10 U	10 U	10 U
Benzyl Alcohol	10	10 U	10 U	10 U
1,2 - Dichlorobenzene	10	10 U	10 U	10 U
bis(2 - chloroisopropyl) Ether	10	10 U	10 U	10 U
N - Nitroso - Di - n - Propylamine	10	10 U	10 U	10 U
Hexachloroethane	10	10 U	10 U	10 U
Nitrobenzene	10	10 U	10 U	10 U
Isophorone	10	10 U	10 U	10 U
bis(2 - Chloroethoxy) methane	10	10 U	10 U	10 U
1,2,4 - Trichlorobenzene	10	10 U	10 U	10 U
Naphthalene	10	10 U	10 U	10 U
4 - Chloroaniline	10	10 U	10 U	10 U
Hexachlorobutadiene	10	10 U	10 U	10 U
2 - Methyl naphthalene	10	10 U	10 U	10 U
Hexachlorocyclopentadiene	10	10 U	10 U	10 U
2 - Chloronaphthalene	10	10 U	10 U	10 U
2 - Nitroaniline	50	50 U	50 U	50 U
				Not

ANALYTICAL RESULTS OF FIELD, RINSE, AND TRIP BLANKS AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW - FB1	RB-HW - FB2	RB-HW - FB3	RB-HW - Duplicate
Time:	1200	1200	1600	1600
Date Sampled:	01/18/90	01/18/90	01/22/90	01/22/90
Date Received:	01/19/90	01/19/90	01/19/90	01/19/90
% Moisture:	NA	NA	NA	NA
Lab ID:	1627.34 B	1627.35 B	1630.09 C	1630.09 C
Matrix:	Water	Water	Water	Water
Parameter	Nominal CRDL ug/L			
Semi - Volatiles				
Dimethylphthalate	10 U	10 U	10 U	10 U
Acenaphthylene	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U
3-Nitroaniline	50 U	50 U	50 U	50 U
Acenaphthene	10 U	10 U	10 U	10 U
Dibenzofuran	10 U	10 U	10 U	10 U
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U
Fluorene	10 U	10 U	10 U	10 U
Diethylphthalate	10 U	10 U	10 U	10 U
4-Chlorophenyl - phenylether	10 U	10 U	10 U	10 U
4-Nitroaniline	50 U	50 U	50 U	50 U
N - Nitrosodiphenylamine	10 U	10 U	10 U	10 U
4-Bromophenyl - phenylether	10 U	10 U	10 U	10 U
Hexachlorobenzene	10 U	10 U	10 U	10 U
Phenanthrene	10 U	10 U	10 U	10 U
Anthracene	10 U	10 U	10 U	10 U
Di-n - Butylphthalate	10 U	10 U	10 U	10 U
Fluoranthene	10 U	10 U	10 U	10 U
Pyrene	10 U	10 U	10 U	10 U
Butylbenzylphthalate	10 U	10 U	10 U	10 U

ANALYTICAL RESULTS OF FIELD, RINSE, AND TRIP BLANKS AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW-FB1	RB-HW-FB2	RB-HW-FB3	RB-HW-FB3 Duplicate
Time:	1200	1200	1600	1600
Date Sampled:	01/18/90	01/18/90	01/22/90	01/22/90
Date Received:	01/19/90	01/19/90	01/19/90	01/19/90
% Moisture:	NA	NA	NA	NA
Lab ID:	1627.34 B	1627.35 B	1630.09 C	1630.09 C
Matrix:	Water	Water	Water	Water
Parameter	Nominal CRDL ug/L			
Semi-Volatiles				
Berzo(a)Anthracene	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	10 U	20 U	20 U	20 U
Chrysene	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)Phthalate	10 U	10 U	10 U	10 U
Di-n-octylphthalate	10 U	10 U	10 U	10 U
Berzo(b)Fluoranthene	10 U	10 U	10 U	10 U
Berzo(k)Fluoranthene	10 U	10 U	10 U	10 U
Berzo(a)Pyrene	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)Pyrene	10 U	10 U	10 U	10 U
Dibenz(a,h)Anthracene	10 U	10 U	10 U	10 U
Berzo(g,h,i)Perylene	10 U	10 U	10 U	10 U

Footnotes:

U--the compound was analyzed for, but not detected.

ANALYTICAL RESULTS OF FIELD, RINSE, AND TRIP BLANKS AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW - FB4	RB-HW - FB5	RB-HW - FB5	RB-HW - FB5
Time:	1610	1040	Duplicate	1040
Date Sampled:	01/22/90	01/29/90	01/29/90	01/29/90
Date Received:	01/19/90	01/19/90	01/19/90	01/30/90
% Moisture:	NA	NA	NA	NA
Lab ID:	1630.10	1643.01	1643.01	1643.01
Matrix:	C Water	Water	Water	Water
Parameter	Nominal CRDL			
Semi - Volatiles	ug/L			
N - Nitroso - Dimethylamine	10	10 U	10 U	10 U
bis(2 - Chloroethyl) ether	10	10 U	10 U	10 U
1,3 - Dichlorobenzene	10	10 U	10 U	10 U
1,4 - Dichlorobenzene	10	10 U	10 U	10 U
Benzyl Alcohol	10	10 U	10 U	10 U
1,2 - Dichlorobenzene	10	10 U	10 U	10 U
bis(2 - chloroisopropyl) Ether	10	10 U	10 U	10 U
N - Nitroso - Di - n - Propylamine	10	10 U	10 U	10 U
Hexachloroethane	10	10 U	10 U	10 U
Nitrobenzene	10	10 U	10 U	10 U
Isophorone	10	10 U	10 U	10 U
bis(2 - Chloroethoxy) methane	10	10 U	10 U	10 U
1,2,4 - Trichlorobenzene	10	10 U	10 U	10 U
Naphthalene	10	10 U	10 U	10 U
4 - Chloroaniline	10	10 U	10 U	10 U
Hexachlorobutadiene	10	10 U	10 U	10 U
2 - Methyleneaphthalene	10	10 U	10 U	10 U
Hexachlorocyclopentadiene	10	10 U	10 U	10 U
2 - Chloronaphthalene	10	10 U	10 U	10 U
2 - Nitroaniline	50	50 U	50 U	50 U

ANALYTICAL RESULTS OF FIELD, RINSE, AND TRIP BLANKS AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW - FB4	RB-HW - FB5	RB-HW - FB5	RB-HW - FB5
Time:	1610	1040	Duplicate	1040
Date Sampled:	01/22/90	01/29/90	01/29/90	01/29/90
Date Received:	01/19/90	01/19/90	01/19/90	01/30/90
% Moisture:	NA	NA	NA	NA
Lab ID:	1630.10 C	1643.01	1643.01	1643.01
Matrix:	Water	Water	Water	Water
Parameter	Nominal CRDL ug/L			
Semi - Volatiles				
Dimethylphthalate	10	10 U	10 U	10 U
Acenaphthylene	10	10 U	10 U	10 U
2,6-Dinitrotoluene	10	10 U	10 U	10 U
3-Nitroaniline	50	50 U	50 U	50 U
Acenaphthene	10	10 U	10 U	10 U
Dibenzofuran	10	10 U	10 U	10 U
2,4-Dinitrotoluene	10	10 U	10 U	10 U
Fluorene	10	10 U	10 U	10 U
Diethylphthalate	10	10 U	10 U	10 U
4-Chlorophenyl - phenylether	10	10 U	10 U	10 U
4-Nitroaniline	50	50 U	50 U	50 U
N - Nitrosodiphenylamine	10	10 U	10 U	10 U
4-Bromophenyl - phenylether	10	10 U	10 U	10 U
Hexachlorobenzene	10	10 U	10 U	10 U
Phenanthrene	10	10 U	10 U	10 U
Anthracene	10	10 U	10 U	10 U
Di-n-Butylphthalate	10	10 U	10 U	10 U
Fluoranthene	10	10 U	10 U	10 U
Pyrene	10	10 U	10 U	10 U
Butylbenzylphthalate	10	10 U	10 U	10 U

ANALYTICAL RESULTS OF FIELD, RINSE, AND TRIP BLANKS AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW-FB4	RB-HW-FB5	RB-HW-FB5	RB-HW-FB5
Time:	1610	1040	Duplicate	1040
Date Sampled:	01/22/90	01/29/90	01/29/90	01/29/90
Date Received:	01/19/90	01/19/90	01/19/90	01/30/90
% Moisture:	NA	NA	NA	NA
Lab ID:	1630.10	1643.01	1643.01	1643.01
Matrix:	Water	Water	Water	Water
Parameter	Nominal			
Semi-Volatiles	CRDL			
	ug/L			
Berzo(a)Anthracene	10	10 U	10 U	10 U
3,3'-Dichlorobenzidine	10	20 U	20 U	20 U
Chrysene	10	10 U	10 U	10 U
bis(2-Ethylhexyl)Phthalate	10	10 U	10 U	10 U
Di-n-octylphthalate	10	10 U	10 U	10 U
Berzo(b)Fluoranthene	10	10 U	10 U	10 U
Berzo(k)Fluoranthene	10	10 U	10 U	10 U
Berzo(a)Pyrene	10	10 U	10 U	10 U
Indeno(1,2,3-cd)Pyrene	10	10 U	10 U	10 U
Diberz(a,h)Anthracene	10	10 U	10 U	10 U
Berzo(g,h,i)Perylene	10	10 U	10 U	10 U

Footnotes:

U--the compound was analyzed for, but not detected.

ANALYTICAL RESULTS OF FIELD, RINSE, AND TRIP BLANKS AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW - FB6	RB-HW - FB7	RB-HW - FB8	RB-HW - FB9
Time:	1600	1430	1440	0930
Date Sampled:	01/29/90	02/06/90	02/06/90	02/16/90
Date Received:	01/30/90	02/08/90	02/08/90	02/20/90
% Moisture:	NA	NA	NA	NA
Lab ID:	1643.02	1657.05	1657.06	1669.05
Matrix:	Water	Water	Water	Water
Parameter	Nominal CRDL ug/L			
Semi - Volatiles				
N-Nitroso-Dimethylamine	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	10 U	10 U	10 U	10 U
Benzyl Alcohol	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	10 U	10 U	10 U	10 U
bis(2-chloroisopropyl)Ether	10 U	10 U	10 U	10 U
N-Nitroso-Di-n-Propylamine	10 U	10 U	10 U	10 U
Hexachloroethane	10 U	10 U	10 U	10 U
Nitrobenzene	10 U	10 U	10 U	10 U
Isophorone	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	10 U
1,2,4-Trichlorobenzene	10 U	10 U	10 U	10 U
Naphthalene	10 U	10 U	10 U	10 U
4-Chloroaniline	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10 U	10 U	10 U	10 U
2-Methylnaphthalene	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 U
2-Chloronaphthalene	10 U	10 U	10 U	10 U
2-Nitroaniline	50 U	50 U	50 U	50 U

ANALYTICAL RESULTS OF FIELD, RINSE, AND TRIP BLANKS AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW-FB6	RB-HW-FB7	RB-HW-FB8	RB-HW-FB9
Time:	1600	1430	1440	0930
Date Sampled:	01/29/90	02/06/90	02/06/90	02/16/90
Date Received:	01/30/90	02/08/90	02/08/90	02/20/90
% Moisture:	NA	NA	NA	NA
Lab ID:	1643.02	1657.05	1657.06	1669.05
Matrix:	Water	Water	Water	Water
Parameter	Nominal			
Semi-Volatiles	CRDL ug/L			
Dimethylphthalate	10 U	10 U	10 U	10 U
Acenaphthylene	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U
3-Nitroaniline	50	50 U	50 U	50 U
Acenaphthene	10	10 U	10 U	10 U
Dibenzofuran	10	10 U	10 U	10 U
2,4-Dinitrotoluene	10	10 U	10 U	10 U
Fluorene	10	10 U	10 U	10 U
Diethylphthalate	10	10 U	10 U	10 U
4-Chlorophenyl-phenylether	10	10 U	10 U	10 U
4-Nitroaniline	50	50 U	50 U	50 U
N-Nitrosodiphenylamine	10	10 U	10 U	10 U
4-Bromophenyl-phenylether	10	10 U	10 U	10 U
Hexachlorobenzene	10	10 U	10 U	10 U
Phenanthrene	10	10 U	10 U	10 U
Anthracene	10	10 U	10 U	10 U
Di-n-Butylphthalate	10	10 U	10 U	10 U
Fluoranthene	10	10 U	10 U	10 U
Pyrene	10	10 U	10 U	10 U
Butylbenzylphthalate	10	10 U	10 U	10 U

ANALYTICAL RESULTS OF FIELD, RINSE, AND TRIP BLANKS AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID:	RB-HW-FB6	RB-HW-FB7	RB-HW-FB8	RB-HW-FB9
Time:	1600	1430	1440	0930
Date Sampled:	01/29/90	02/06/90	02/06/90	02/16/90
Date Received:	01/30/90	02/08/90	02/08/90	02/20/90
% Moisture:	NA	NA	NA	NA
Lab ID:	1643.02	1657.05	1657.06	1669.05
Matrix:	Water	Water	Water	Water
Parameter Semi-Volatiles	Nominal CRDL ug/L			
Berzo(a)Anthracene	10	10 U	10 U	10 U
3,3'-Dichlorobenzidine	10	20 U	20 U	20 U
Chrysene	10	10 U	10 U	10 U
bis(2-Ethylhexyl)Phthalate	10	10 U	10 U	10 U
Di-n-octylphthalate	10	10 U	10 U	10 U
Berzo(b)Fluoranthene	10	10 U	10 U	10 U
Berzo(k)Fluoranthene	10	10 U	10 U	10 U
Berzo(a)Pyrene	10	10 U	10 U	10 U
Indeno(1,2,3-cd)Pyrene	10	10 U	10 U	10 U
Diberz(a,h)Anthracene	10	10 U	10 U	10 U
Berzo(g,h,i)Perylene	10	10 U	10 U	10 U

Footnotes:

U--the compound was analyzed for, but not detected.

ANALYTICAL RESULTS OF FIELD, RINSE, AND TRIP BLANKS AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID:	RB-HW-FB10	RB-HW-RB1	RB-HW-RB2	RB-HW-RB4
Time:	0925	1210	1550	1520
Date Sampled:	02/16/90	01/18/90	01/22/90	01/24/90
Date Received:	02/20/90	01/19/90	01/19/90	01/19/90
% Moisture:	NA	NA	NA	NA
Lab ID:	1669.02	1627.36	1630.11	1636.05
Matrix:	Water	Water	Water	Water
Parameter	Nominal			
Semi-Volatiles	CRDL			
	ug/L			
N-Nitroso-Dimethylamine	10	10 U	10 U	10 U
bis(2-Chloroethyl)ether	10	10 U	10 U	10 U
1,3-Dichlorobenzene	10	10 U	10 U	10 U
1,4-Dichlorobenzene	10	10 U	10 U	10 U
Benzyl Alcohol	10	10 U	10 U	10 U
1,2-Dichlorobenzene	10	10 U	10 U	10 U
bis(2-chloroisopropyl)Ether	10	10 U	10 U	10 U
N-Nitroso-Di-n-Propylamine	10	10 U	10 U	10 U
Hexachloroethane	10	10 U	10 U	10 U
Nitrobenzene	10	10 U	10 U	10 U
Isophorone	10	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	10	10 U	10 U	10 U
1,2,4-Trichlorobenzene	10	10 U	10 U	10 U
Naphthalene	10	10 U	10 U	10 U
4-Chloroaniline	10	10 U	10 U	10 U
Hexachlorobutadiene	10	10 U	10 U	10 U
2-Methylnaphthalene	10	10 U	10 U	10 U
Hexachlorocyclopentadiene	10	10 U	10 U	10 U
2-Chloronaphthalene	10	10 U	10 U	10 U
2-Nitroaniline	50	50 U	50 U	50 U

ANALYTICAL RESULTS OF FIELD, RINSE, AND TRIP BLANKS AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID:	RB-HW-FB10	RB-HW-RB1	RB-HW-RB2	RB-HW-RB4
Time:	0925	1210	1550	1520
Date Sampled:	02/16/90	01/18/90	01/22/90	01/24/90
Date Received:	02/20/90	01/19/90	01/19/90	01/19/90
% Moisture:	NA	NA	NA	NA
Lab ID:	1669.02	1627.36	1630.11	1636.05
Matrix:	Water	Water	Water	Water
Parameter	Nominal CRDL ug/L			
Semi-Volatiles				
Dimethylphthalate	10 U	10 U	10 U	10 U
Acenaphthylene	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U
3-Nitroaniline	50 U	50 U	50 U	50 U
Acenaphthene	10 U	10 U	10 U	10 U
Dibenzofuran	10 U	10 U	10 U	10 U
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U
Fluorene	10 U	10 U	10 U	10 U
Diethylphthalate	10 U	10 U	10 U	10 U
4-Chlorophenyl-phenylether	10 U	10 U	10 U	10 U
4-Nitroaniline	50 U	50 U	50 U	50 U
N-Nitrosodiphenylamine	10 U	10 U	10 U	10 U
4-Bromophenyl-phenylether	10 U	10 U	10 U	10 U
Hexachlorobenzene	10 U	10 U	10 U	10 U
Phenanthrene	10 U	10 U	10 U	10 U
Anthracene	10 U	10 U	10 U	10 U
Di-n-Butylphthalate	10 U	10 U	10 U	10 U
Fluoranthene	10 U	10 U	10 U	10 U
Pyrene	10 U	10 U	10 U	10 U
Butylbenzylphthalate	10 U	10 U	10 U	10 U

ANALYTICAL RESULTS OF FIELD, RINSE, AND TRIP BLANKS AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW - FB10	RB-HW - RB1	RB-HW - RB2	RB-HW - RB4
Time:	0825	1210	1550	1520
Date Sampled:	02/16/90	01/18/90	01/22/90	01/24/90
Date Received:	02/20/90	01/19/90	01/19/90	01/19/90
% Moisture:	NA	NA	NA	NA
Lab ID:	1669.02	1627.36	1630.11	1636.05
Matrix:	Water	B Water	C Water	C Water
Parameter	Nominal CRDL	ug/L		
Semi - Volatiles				
Berzo(a)Anthracene	10	10 U	10 U	10 U
3,3' - Dichlorobenzidine	10	20 U	20 U	20 U
Chrysene	10	10 U	10 U	10 U
bis(2-Ethylhexyl)Phthalate	10	10 U	10 U	10 U
Di-n-octylphthalate	10	10 U	10 U	10 U
Berzo(b)Fluoranthene	10	10 U	10 U	10 U
Berzo(k)Fluoranthene	10	10 U	10 U	10 U
Berzo(a)Pyrene	10	10 U	10 U	10 U
Indeno(1,2,3-cd)Pyrene	10	10 U	10 U	10 U
Dibenz(a,h)Anthracene	10	10 U	10 U	10 U
Berzo(g,h,i)Perylene	10	10 U	10 U	10 U

Footnotes:

U--the compound was analyzed for, but not detected.

ANALYTICAL RESULTS OF FIELD, RINSE, AND TRIP BLANKS AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW - RB5	RB-HW - RB6	RB-HW - RB7	RB-HW - RB8
Time:		1230	1445	1630
Date Sampled:		01/26/90	01/29/90	01/30/90
Date Received:		01/30/90	01/30/90	01/31/90
% Moisture:	NA	NA	NA	NA
Lab ID:	1637.07	1643.10	1643.06	1645.09
Matrix:	Water	Water	Water	Water
Parameter Semi - Volatiles	Nominal CRDL ug/L			
N - Nitroso - Dimethylamine	10	10 U	10 U	10 U
bis(2 - Chloroethyl) ether	10	10 U	10 U	10 U
1,3 - Dichlorobenzene	10	10 U	10 U	10 U
1,4 - Dichlorobenzene	10	10 U	10 U	10 U
Benzyl Alcohol	10	10 U	10 U	10 U
1,2 - Dichlorobenzene	10	10 U	10 U	10 U
bis(2 - chloroisopropyl) Ether	10	10 U	10 U	10 U
N - Nitroso - Di - n - Propylamine	10	10 U	10 U	10 U
Hexachloroethane	10	10 U	10 U	10 U
Nitrobenzene	10	10 U	10 U	10 U
Isophorone	10	10 U	10 U	10 U
bis(2 - Chloroethoxy) methane	10	10 U	10 U	10 U
1,2,4 - Trichlorobenzene	10	10 U	10 U	10 U
Naphthalene	10	10 U	10 U	10 U
4 - Chloroaniline	10	10 U	10 U	10 U
Hexachlorobutadiene	10	10 U	10 U	10 U
2 - Methyl naphthalene	10	10 U	10 U	10 U
Hexachlorocyclopentadiene	10	10 U	10 U	10 U
2 - Chloronaphthalene	10	10 U	10 U	10 U
2 - Nitroaniline	50	50 U	50 U	50 U

ANALYTICAL RESULTS OF FIELD, RINSE, AND TRIP BLANKS AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW - RB5	RB-HW - RB6	RB-HW - RB7	RB-HW - RB8
Time:		1230	1445	1630
Date Sampled:		01/26/90	01/29/90	01/30/90
Date Received:		01/30/90	01/30/90	01/31/90
% Moisture:	NA	NA	NA	NA
Lab ID:	1637.07	1643.10	1643.06	1645.09
Matrix:	Water	Water	Water	Water
Parameter	Nominal CRDL ug/L			
Semi - Volatiles				
Dimethylphthalate	10	10 U	10 U	10 U
Acenaphthylene	10	10 U	10 U	10 U
2,6-Dinitrotoluene	10	10 U	10 U	10 U
3-Nitroaniline	50	50 U	50 U	50 U
Acenaphthene	10	10 U	10 U	10 U
Dibenzofuran	10	10 U	10 U	10 U
2,4-Dinitrotoluene	10	10 U	10 U	10 U
Fluorene	10	10 U	10 U	10 U
Diethylphthalate	10	10 U	10 U	10 U
4-Chlorophenyl - phenylether	10	10 U	10 U	10 U
4-Nitroaniline	50	50 U	50 U	50 U
N - Nitrosodiphenylamine	10	10 U	10 U	10 U
4-Bromophenyl - phenylether	10	10 U	10 U	10 U
Hexachlorobenzene	10	10 U	10 U	10 U
Phenanthrene	10	10 U	10 U	10 U
Anthracene	10	10 U	10 U	10 U
Di-n-Butylphthalate	10	10 U	10 U	10 U
Fluoranthene	10	10 U	10 U	10 U
Pyrene	10	10 U	10 U	10 U
Butylbenzylphthalate	10	10 U	10 U	10 U

ANALYTICAL RESULTS OF FIELD, RINSE, AND TRIP BLANKS AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW-RB5	RB-HW-RB6	RB-HW-RB7	RB-HW-RB8
Time:		1230	1445	1630
Date Sampled:		01/26/90	01/29/90	01/30/90
Date Received:		01/30/90	01/30/90	01/31/90
% Moisture:	NA	NA	NA	NA
Lab ID:	1637.07	1643.10	1643.06	1645.09
Matrix:	Water	Water	Water	Water
Parameter				
Semi - Volatiles				
Berzo(a)Anthracene	10	10 U	10 U	10 U
3,3' - Dichlorobenzidine	10	20 U	20 U	20 U
Chrysene	10	10 U	10 U	10 U
bis(2-Ethylhexyl)Phthalate	10	10 U	10 U	10 U
Di-n-octylphthalate	10	10 U	10 U	10 U
Berzo(b)Fluoranthene	10	10 U	10 U	10 U
Berzo(k)Fluoranthene	10	10 U	10 U	10 U
Berzo(a)Pyrene	10	10 U	10 U	10 U
Indeno(1,2,3-cd)Pyrene	10	10 U	10 U	10 U
Dibenz(a,h)Anthracene	10	10 U	10 U	10 U
Berzo(g,h,i)Perylene	10	10 U	10 U	10 U

Footnotes:

U--the compound was analyzed for, but not detected.

ANALYTICAL RESULTS OF FIELD, RINSE, AND TRIP BLANKS AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW - RB9	RB-HW - RB10	RB-HW - RB11	RB-HW - RB12
Time:	1045	1505	1125	1000
Date Sampled:	01/31/90	02/06/90	02/07/90	02/09/90
Date Received:	02/01/90	02/08/90	02/08/90	02/13/90
% Moisture:	NA	NA	NA	NA
Lab ID:	1647.03	1657.07	1657.14	1665.01
Matrix:	Water	Water	Water	Water
Parameter	Nominal CRDL ug/L			
Semi - Volatiles				
N - Nitroso - Dimethylamine	10 U	10 U	10 U	10 U
bis(2 - Chloroethyl)ether	10 U	10 U	10 U	10 U
1,3 - Dichlorobenzene	10 U	10 U	10 U	10 U
1,4 - Dichlorobenzene	10 U	10 U	10 U	10 U
Benzyl Alcohol	10 U	10 U	10 U	10 U
1,2 - Dichlorobenzene	10 U	10 U	10 U	10 U
bis(2 - chloroisopropyl)Ether	10 U	10 U	10 U	10 U
N - Nitroso - Di - n - Propylamine	10 U	10 U	10 U	10 U
Hexachloroethane	10 U	10 U	10 U	10 U
Nitrobenzene	10 U	10 U	10 U	10 U
Isophorone	10 U	10 U	10 U	10 U
bis(2 - Chloroethoxy)methane	10 U	10 U	10 U	10 U
1,2,4 - Trichlorobenzene	10 U	10 U	10 U	10 U
Naphthalene	10 U	10 U	10 U	10 U
4 - Chloroaniline	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10 U	10 U	10 U	10 U
2 - Methylanththalene	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 U
2 - Chloronaphthalene	10 U	10 U	10 U	10 U
2 - Nitroaniline	50 U	50 U	50 U	50 U

ANALYTICAL RESULTS OF FIELD, RINSE, AND TRIP BLANKS AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID:	RB-HW-RB9	RB-HW-RB10	RB-HW-RB11	RB-HW-RB12
Time:	1045	1505	1125	1000
Date Sampled:	01/31/90	02/06/90	02/07/90	02/09/90
Date Received:	02/01/90	02/08/90	02/08/90	02/13/90
% Moisture:	NA	NA	NA	NA
Lab ID:	1647.03	1657.07	1657.14	1665.01
Matrix:	Water	Water	Water	Water
Parameter	Nominal CRDL ug/L			
Semi-Volatiles				
Dimethylphthalate	10 U	10 U	10 U	10 U
Acenaphthylene	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U
3-Nitroaniline	50 U	50 U	50 U	50 U
Acenaphthene	10 U	10 U	10 U	10 U
Dibenzofuran	10 U	10 U	10 U	10 U
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U
Fluorene	10 U	10 U	10 U	10 U
Diethylphthalate	10 U	10 U	10 U	10 U
4-Chlorophenyl-phenylether	10 U	10 U	10 U	10 U
4-Nitroaniline	50 U	50 U	50 U	50 U
N-Nitrosodiphenylamine	10 U	10 U	10 U	10 U
4-Bromophenyl-phenylether	10 U	10 U	10 U	10 U
Hexachlorobenzene	10 U	10 U	10 U	10 U
Phenanthrene	10 U	10 U	10 U	10 U
Anthracene	10 U	10 U	10 U	10 U
Di-n-Butylphthalate	10 U	10 U	10 U	10 U
Fluoranthene	10 U	10 U	10 U	10 U
Pyrene	10 U	10 U	10 U	10 U
Butylbenzylphthalate	10 U	10 U	10 U	10 U

ANALYTICAL RESULTS OF FIELD, RINSE, AND TRIP BLANKS AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW - RB9	RB-HW - RB10	RB-HW - RB11	RB-HW - RB12
Time:	1045	1505	1125	1000
Date Sampled:	01/31/90	02/06/90	02/07/90	02/09/90
Date Received:	02/01/90	02/08/90	02/08/90	02/13/90
% Moisture:	NA	NA	NA	NA
Lab ID:	1647.03	1657.07	1657.14	1665.01
Matrix:	Water	Water	Water	Water
Parameter	Nominal CRDL ug/L			
Semi - Volatiles				
Benzo(a)Anthracene	10 U	10 U	10 U	10 U
3,3' - Dichlorobenzidine	20 U	20 U	20 U	20 U
Chrysene	10 U	10 U	10 U	10 U
bis(2 - Ethylhexyl) Phthalate	10 U	10 U	10 U	10 U
Di - n - octylphthalate	10 U	10 U	10 U	10 U
Benzo(b)Fluoranthene	10 U	10 U	10 U	10 U
Benzo(k)Fluoranthene	10 U	10 U	10 U	10 U
Benzo(a)Pyrene	10 U	10 U	10 U	10 U
Indeno(1,2,3 - cd)Pyrene	10 U	10 U	10 U	10 U
Dibenz(a,h)Anthracene	10 U	10 U	10 U	10 U
Benzo(g,h,i)Perylene	10 U	10 U	10 U	10 U

Footnotes:

U - - the compound was analyzed for, but not detected.

ANALYTICAL RESULTS OF FIELD, RINSE, AND TRIP BLANKS AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW - RB13	RB-HW - TB1	RB-HW - TB2	RB-HW - TB3
Time:	0940			
Date Sampled:	02/16/90			
Date Received:	02/20/90			
% Moisture:	NA	NA	NA	NA
Lab ID:	1669.04	1630.12	1633.13	1636.06 A
Matrix:	Water	Water	Water	Water
Parameter	Nominal CRDL ug/L			
Semi-Volatiles				
N-Nitroso - Dimethylamine	10 U	Not Analyzed	Not Analyzed	Not Analyzed
bis(2-Chloroethyl)ether	10 U			
1,3-Dichlorobenzene	10 U			
1,4-Dichlorobenzene	10 U			
Benzyl Alcohol	10 U			
1,2-Dichlorobenzene	10 U			
bis(2-chloroisopropyl)Ether	10 U			
N-Nitroso - Di-n-Propylamine	10 U			
Hexachloroethane	10 U			
Nitrobenzene	10 U			
Isophorone	10 U			
bis(2-Chloroethoxy)methane	10 U			
1,2,4-Trichlorobenzene	10 U			
Naphthalene	10 U			
4-Chloroaniline	10 U			
Hexachlorobutadiene	10 U			
2-Methylnaphthalene	10 U			
Hexachlorocyclopentadiene	10 U			
2-Chloronaphthalene	10 U			
2-Nitroaniline	50 U			

ANALYTICAL RESULTS OF FIELD, RINSE, AND TRIP BLANKS AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW - RB13	RB-HW - TB1	RB-HW - TB2	RB-HW - TB3
Time:	0940			
Date Sampled:	02/16/90			
Date Received:	02/20/90			
% Moisture:	NA	NA	NA	NA
Lab ID:	1669.04	1630.12	1633.13	1636.06 A
Matrix:	Water	Water	Water	Water
Parameter				
Semi - Volatiles				
Dimethylphthalate	10 U			
Acanaphthylene	10 U			
2,6- Dinitrotoluene	10 U			
3- Nitroaniline	50 U			
Acanaphthene	10 U			
Dibenzofuran	10 U			
2,4- Dinitrotoluene	10 U			
Fluorene	10 U			
Diethylphthalate	10 U			
4- Chlorophenyl- phenylether	10 U			
4- Nitroaniline	50 U			
N- Nitrosodiphenylamine	10 U			
4- Bromophenyl- phenylether	10 U			
Hexachlorobenzene	10 U			
Phenanthrene	10 U			
Anthracene	10 U			
Di- n- Butylphthalate	10 U			
Fluoranthene	10 U			
Pyrene	10 U			
Butylbenzylphthalate	10 U			

ANALYTICAL RESULTS OF FIELD, RINSE, AND TRIP BLANKS AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB - HW - RB13	RB - HW - TB1	RB - HW - TB2	RB - HW - TB3
Time:	0940			
Date Sampled:	02/16/90			
Date Received:	02/20/90			
% Moisture:	NA	NA	NA	NA
Lab ID:	1669.04	1630.12	1633.13	1636.06
Matrix:	Water	Water	Water	Water
Parameter				
Semi - Volatiles				
Berzo(a)Anthracene	10 U			
3,3' - Dichlorobenzidine	20 U			
Chrysene	10 U			
bie(2 - Ethylhexyl)Phthalate	10 U			
Di - n - octylphthalate	10 U			
Berzo(b)Fluoranthene	10 U			
Berzo(k)Fluoranthene	10 U			
Berzo(a)Pyrene	10 U			
Indeno(1,2,3 - cd)Pyrene	10 U			
Dibenz(a,h)Anthracene	10 U			
Berzo(g,h,i)Perylene	10 U			

Footnotes:

U -- the compound was analyzed for, but not detected.

ANALYTICAL RESULTS OF FIELD, RINSE, AND TRIP BLANKS AT THE HWSA RICKENBACKER ANGB--OHIO

Sample ID:	RB-HW-FB1	RB-HW-FB2	RB-HW-FB3	RB-HW-FB4
Time:	1200	1200	1600	1610
Date Sampled:	01/18/90	01/18/90	01/22/90	01/22/90
Date Received:	01/19/90	01/19/90	01/19/90	01/19/90
% Solids:	0.0	0.0	0.0	0.0
Lab ID:	1627.34	1627.35	1630.09	1630.10
Matrix:	B Water	B Water	C Water	C Water
Parameter	Nominal			
Metals	CRDL ug/L			
Antimony	60	40.2 U	40.2 U	40.2 U
Arsenic	10	1.5 U	2.4 B	1.5 U
Beryllium	5	2.3 U	2.3 U	2.3 U
Cadmium	5	1.9 U	1.9 U	1.9 U
Chromium	10	8.7 U	8.7 U	8.7 U
Copper	25	7 B	9 B	4.1 U
Lead	3	2.5 BJ	5.8 J	2.8 BJ
Mercury	0.2	0.1 U	0.1 U	0.1 U
Nickel	40	23.6 U	23.6 U	23.6 U
Selenium	5	1.7 U	1.7 U	1.7 U
Silver	10	6.6 U	6.6 U	6.6 U
Thallium	10	0.9 U	1.5 B	0.9 UW
Zinc	20	17 BJ	13 BJ	20 J

ANALYTICAL RESULTS OF FIELD, RINSE, AND TRIP BLANKS AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID:	RB-HW-FB5	RB-HW-FB6	RB-HW-FB7	RB-HW-FB7
Time:	1040	1600	1430	Filtered
Date Sampled:	01/29/90	01/29/90	02/06/90	1430
Date Received:	01/30/90	01/30/90	02/08/90	02/06/90
% Solids:	NA	NA	NA	02/08/90
Lab ID:	1643.01	1643.02	1657.05	NA
Matrix:	D Water	D Water	C Water	D Water
Parameter Metals	Nominal CRDL ug/L			
Antimony	60	40.2 U	40.2 U	34.6 U
Arsenic	10	1.6 B	1.5 B	1.5 BW
Beryllium	5	2.3 U	2.3 U	3.8 U
Cadmium	5	1.9 U	1.9 U	4.8 U
Chromium	10	8.7 U	8.7 U	9.8 U
Copper	25	4.1 U	9 B	11.0 B
Lead	3	2.5 BJ	15.4	6.0
Mercury	0.2	0.1 U	0.1 U	0.1 U
Nickel	40	23.6 U	23.6 U	31.1 U
Selenium	5	1.7 U	1.7 U	1.4 U
Silver	10	6.6 U	6.6 U	8.9 U
Thallium	10	0.9 UW	0.9 UW	0.9 U
Zinc	20	19 BJ	19 BJ	21.0 J

ANALYTICAL RESULTS OF FIELD, RINSE, AND TRIP BLANKS AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW - FB8	RB-HW - FB9	RB-HW - FB10
Time:	1440	0930	0925
Date Sampled:	02/06/90	02/16/90	02/16/90
Date Received:	02/08/90	02/20/90	02/20/90
% Solids:	NA	NA	NA
Lab ID:	1657.06 C	1669.05 C	1669.02 C
Matrix:	Water	Water	Water
Parameter			
Metals			
	Nominal CRDL ug/L		
Antimony	60	40.2 U	40.2 U
Arsenic	10	1.5 U	1.5 U
Beryllium	5	2.3 U	2.3 U
Cadmium	5	1.9 U	1.9 U
Chromium	10	8.7 U	8.7 U
Copper	25	4.1 U	4.1 U
Lead	3	3.6 J	2.4 BJ
Mercury	0.2	0.1 U	0.1 U
Nickel	40	23.6 U	23.6 U
Selenium	5	1.7 U	1.7 UW
Silver	10	6.6 U	6.6 U
Thallium	10	0.9 U	0.9 UW
Zinc	20	8 BJ	17 B

ANALYTICAL RESULTS OF FIELD, RINSE, AND TRIP BLANKS AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW - RB1	RB-HW - RB2	RB-HW - RB4	RB-HW - RB6
Time:	1210	1550	1520	1230
Date Sampled:	01/18/90	01/22/90	01/24/90	01/26/90
Date Received:	01/19/90	01/19/90	01/19/90	01/30/90
% Solids:	0.0	0.0	0.0	NA
Lab ID:	1627.36	1630.11	1636.05	1643.10
Matrix:	B Water	C Water	C Water	D Water
Parameter Metals	Nominal CRDL ug/L			
Antimony	60	40.2 U	40.2 U	40.2 U
Arsenic	10	1.5 U	1.5 U	1.5 U
Beryllium	5	2.3 U	2.3 U	2.3 U
Cadmium	5	2 B	1.9 U	1.9 U
Chromium	10	8.7 U	8.7 U	8.7 U
Copper	25	6 B	4.1 U	4.1 U
Lead	3	2.3 BJ	3 J	2.6 BJ
Mercury	0.2	0.11 B	0.29	0.1 U
Nickel	40	23.6 U	23.6 U	23.6 U
Selenium	5	1.7 U	1.7 U	1.7 U
Silver	10	6.6 U	6.6 U	6.6 U
Thallium	10	0.9 U	0.9 U	0.9 U
Zinc	20	8 BJ	20 J	8 BJ

ANALYTICAL RESULTS OF FIELD, RINSE, AND TRIP BLANKS AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW - RB7	RB-HW - RB8	RB-HW - RB9	RB-HW - RB10
Time:	1445	1630	1045	1505
Date Sampled:	01/29/90	01/30/90	01/31/90	02/06/90
Date Received:	01/30/90	01/31/90	02/01/90	02/08/90
% Solids:	NA	NA	NA	NA
Lab ID:	1643.06	1645.09	1647.03	1657.07
Matrix:	D Water	C Water	C Water	C Water
Parameter Metals	Nominal CRDL ug/L			
Antimony	60	40.2 U	40.2 U	40.2 U
Arsenic	10	1.5 U	1.5 UW	1.5 U
Beryllium	5	2.3 U	2.3 U	2.3 U
Cadmium	5	1.9 U	1.9 U	1.9 U
Chromium	10	8.7 U	8.7 U	8.7 U
Copper	25	4.1 U	4.1 U	4.1 U
Lead	3	2.8 BJ	3.2 J	3 J
Mercury	0.2	0.1 U	0.1 U	0.1 U
Nickel	40	23.6 U	23.6 U	23.6 U
Selenium	5	1.7 UW	1.7 UW	1.7 U
Silver	10	6.6 U	6.6 U	6.6 U
Thallium	10	0.9 UW	0.9 U	0.9 U
Zinc	20	7 BJ	9 BJ	7 BJ

ANALYTICAL RESULTS OF FIELD, RINSE, AND TRIP BLANKS AT THE HWSA RICKENBACKER ANGB - OHIO

Sample ID:	RB-HW - RB10	RB-HW - RB11	RB-HW - RB12
Time:	Filtered	Filtered	
Date Sampled:	1505	1125	1000
Date Received:	02/08/90	02/07/90	02/09/90
% Solids:	NA	NA	02/13/90
Lab ID:	1657.07	1657.14	1665.01
Matrix:	D	D	C
Parameter	Water	Water	Water
Metals			
	Nominal		
	CRDL		
	ug/L		
Antimony	60	40.2 U	40.2 U
Arsenic	10	1.4 UW	1.5 U
Beryllium	5	3.8 U	2.3 U
Cadmium	5	4.8 U	1.9 U
Chromium	10	9.8 U	8.7 U
Copper	25	6.0 U	4.1 U
Lead	3	1.9 B	3.9 J
Mercury	0.2	0.1 U	0.1 U
Nickel	40	31.1 U	23.6 U
Selenium	5	1.4 U	1.7 U
Silver	10	8.9 U	6.6 U
Thallium	10	0.9 U	0.9 U
Zinc	20	11.0 BJ	12 BJ

ANALYTICAL RESULTS OF FIELD, RINSE, AND TRIP BLANKS AT THE HWSA RICKENBACKER ANGB-OHIO

Sample ID:	RB-HW - RB13	RB-HW - RB13
Time:	Filtered	Filtered
Date Sampled:	0940	0940
Date Received:	02/16/90	02/16/90
% Solids:	02/20/90	02/20/90
	NA	NA
Lab ID:	1669.04	1669.04
	C	C
Matrix:	Water	Water
Parameter		
Metals		
	Nominal	
	CRDL	
	ug/L	
Antimony	60	40.2 U
Arsenic	10	1.5 U
Beryllium	5	2.3 U
Cadmium	5	1.9 U
Chromium	10	8.7 U
Copper	25	4.1 U
Lead	3	2.1 BJ
Mercury	0.2	0.1 U
Nickel	40	23.6 U
Selenium	5	1.7 U
Silver	10	6.6 U
Thallium	10	0.9 UW
Zinc	20	7 BJ

ANALYTICAL RESULTS OF FIELD, RINSE, AND TRIP BLANKS AT THE HWSA RICKENBACKER ANGB - OHIO

Footnotes:

B---reported value is less than the reporting limit, but greater than the IDL.

J---the value reported is an estimated concentration.

U---compound was analyzed for, but not detected.

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

APPENDIX F
CHEMICAL ANALYSES OF PHASE-SEPARATED HYDROCARBON



PENNRUNCORPORATION

150 WILLIAM PITT WAY
PITTSBURGH -- PA 15238-1327
TEL 412 826-5300
FAX 412 826-5553

February 28, 1990

Ms. Louise Watson
Engineering Science, Incorporated
19101 Villaview Road
Suite 301
Cleveland, OH 44119

Dear Mr. Watson:

Attached is the result of analysis on a sample submitted to the PENNRUN Laboratories on February 12, 1990. The sample labeled MW-5 was submitted for packed column GC Fingerprinting. For your approval, attached in triplicate, is our invoice for the above services rendered. Please forward to your Accounts Payable Department.

Should you have any questions regarding this report, please contact me at
(412) 826-5303.

Sincerely,

Kathy J. Rygle
Laboratory Manager

/gmp

Attachment

cc w/att: RD

Ms. Louise Watson
February 28, 1990
Page 2

PENNRUN ID: PRD-01421

Client ID: Project No. CL115., MW-5

The above sample was submitted to the PENNRUN Laboratories for packed column GC Fingerprinting. The results indicate that the sample is a mixture of a 30-40% weathered gasoline and hydrocarbon material in the Jet A or kerosene boiling range.

Copies of the chromatogram are enclosed for your reference.

Ron Dibas

Ron Dibas
Sr. Chemist
February 28, 1990

Kathy J. Bygle

Kathy J. Bygle
Laboratory Manager
February 28, 1990

19101 VILLAVIEW ROAD, SUITE 301, CLEVELAND, OHIO 44119 • 216/486-9005

Chain-of-Custody Record

[illegible]

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APPENDIX G
CHAIN-OF-CUSTODY RECORDS

ENGINEERING-SCIENCE

19101 VILLAVIEW ROAD, SUITE 301, CLEVELAND, OHIO 44119 • 216/486-9005

W.O. 1627

Chain-of Custody Record

PROJ. NO.	PROJECT NAME/LOCATION		STATION LOCATION		NO. OF CONTAINERS	PARAMETER	REMARKS
CLVS1.03	RANGB(HW5A) - Columbus, OH						
SAMPLERS: (Signature) <i>G.O. Carpenter / Squire</i>							
STA. NO.	DATE	TIME	COMP	GRAB			
1/18	0945				RB-HW-SU19	✓	1627-01A Surface Soil Sample
"	0950				RB-HW-SU20	✓	1627-02A "
"	1000				RB-HW-SU21	✓	1627-03A "
"	1010				RB-HW-SU22	✓	1627-04A "
"	1020				RB-HW-SU23	✓	1627-05A "
"	1025				RB-HW-SU24	✓	1627-06A "
"	0950				RB-HW-SU25	✓	1627-07A "Broken"
"	0950				RB-HW-SU26	✓	1627-08A "
"	0900				RB-HW-SU27	✓	1627-09A "
"	0900				RB-HW-SU28	✓	1627-10A "
"	1100				RB-HW-SU29	✓	1627-11A "
"	1100				RB-HW-SU30	✓	1627-12A "
"	1145				RB-HW-SU31	✓	1627-13A "
"	0910				RB-HW-SU32	✓	1627-14A "
"	0910				RB-HW-SU33	✓	1627-15A "Broken"
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Date / Time	
<i>G.O. Carpenter</i>		4/3/00 1:30					
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Date / Time	
Relinquished by: (Signature)		Date / Time		Received for Laboratory by: (Signature)		Date / Time	
				<i>[Signature]</i>		1/19/00 1:00	
Remarks						Remarks	
						Base-metal mini-volatiles (ccp) 100% + Metals (ccp) Intact	

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10.0.1627

Chain-of Custody Record

PROJ. NO.		PROJECT NAME/LOCATION		NO. OF CON-TAINERS	PARAMETER	REMARKS
CU452.03	CU452.03	CU452.03	CU452.03			
SAMPLERS: (Signature) <i>G.O. Carpenter</i> / <i>Stone</i>						
STA. NO.	DATE	TIME	STATION LOCATION			
	1/8	0920	RB-HW-SU34	✓	✓	1627-16A Surface Soil Sample
	"	1110	RB-HW-SU35	✓	✓	1627-17A "
	"	1115	RB-HW-SU36	✓	✓	1627-18A "
	"	1125	RB-HW-SU37	✓	✓	19A "
	"	1145	RB-HW-SU38	✓	✓	20A "
	"	0920	RB-HW-SU39	✓	✓	21A "
	"	0935	RB-HW-SU40	✓	✓	22A "
	"	0935	RB-HW-SU41	✓	✓	23A "
	"	0945	RB-HW-SU42	✓	✓	24A "
	"	0945	RB-HW-SU43	✓	✓	25A "
	"	0945	RB-HW-SU44	✓	✓	26A "
	"	1045	RB-HW-SU45	✓	✓	27A "
	"	1005	RB-HW-SU46	✓	✓	28A "
	"	1210	RB-HW-SU47	✓	✓	29A "
	"	1210	RB-HW-SU48	✓	✓	30A "
Relinquished by: (Signature) <i>G.O. Carpenter</i>		Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)		1/8/90 1:30				
Relinquished by: (Signature)		Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)						
Relinquished by: (Signature)		Date / Time	Received for Laboratory by: (Signature) <i>John J. ...</i>	Date / Time	Remarks (C.O.) Bare metal semi-volatile 8.52 + In tact (C.O.) Metals	
Relinquished by: (Signature)				1/19/90 1100		

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[illegible]

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ENGINEER'S "G-SCIENCE"

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Chain-of Custody Record

W.D. 1633

PROJ. NO.		PROJECT NAME/LOCATION		NO. OF CONTAINERS		PARAMETER		REMARKS
STA. NO.	DATE	TIME	GRAB	STATION LOCATION				
2452.03		RANGB-HWUA/Co., OH						P10 Screen
SAMPLERS: (Signature) C.C. Capantia								
1/23	0835			AB-HW-AB3-551	2	✓	✓	
"	0900			" " - 552	2	✓	✓	
"	1320			" " AB4-551	2	✓	✓	
"	1340			" " - 552	2	✓	✓	
"	1100			" " AB6-551	2	✓	✓	
"	1115			" " - 552	2	✓	✓	
"	1400			" " AB7-551	2	✓	✓	
"	1410			" " - 552	2	✓	✓	
"	1040			" " AB9-551	2	✓	✓	
"	1040			" " - 552	2	✓	✓	
"	0930			" " AB10-551	2	✓	✓	
"	0945			" " - 552	2	✓	✓	
"	1450			RB-HW-AB3	6	✓	✓	
"	1450			RB-HW-TB2	3	✓	✓	
Relinquished by: (Signature) C.C. Capantia								Date / Time 1/23/90 4:30 Received by: (Signature) [Signature] 5282385846 Date / Time Received by: (Signature) Date / Time Received by: (Signature)
Relinquished by: (Signature)								
Relinquished by: (Signature)								
Date / Time 1/24/90 1100 Received for Laboratory by: (Signature) [Signature] Remarks: 10.7°C + Intact. BNSV - decontaminated semi-volatile so m.t.s. - priority pollutants VOA - volatile organic								

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W.O. 1636

[illegible]

19101 VILLAVIEW ROAD, SUITE 301, CLEVELAND, OHIO 44119 • 216/486-9005

41.0. 1637

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Chain-of Custody Record

W.O. 1643

[illegible]

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Chain-of Custody Record

W.O. 1643

[illegible]

19101 VILLAVIEW ROAD, SUITE 301, CLEVELAND, OHIO 44119 • 216/486-9005

Chain-of-Custody Record

PROJ. NO.	PROJECT NAME/LOCATION

22752.03
RANGS-HANSA / Col. OH.

SAMPLES: (Signature)

C.D. Carpenter

STA. NO.

TIME

LAB

STATION LOCATION

PAHAMEIER

31/5/1968
108 (200)
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Distribution Original Accompanies Shipment. Copy returned with Report.

1

ENGINEERING - SCIENCE

19101 VILLAVIEW ROAD, SUITE 301, CLEVELAND, OHIO 44119 • 216/486-9005

Chain-of Custody Record

PROJ. NO. CCL452.03	PROJECT NAME/LOCATION RANGB-HW5A / Col., OH

SAMPLES: (Signature)

C.O. Carpenter

[illegible]

Relinquished by: (Signature) <i>C.O. Carpenter</i>	Date / Time <i>1/31/96 1700</i>	Received by: (Signature) <i>Air Mail</i> <i>5282385791</i>
Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature) <i>[Signature]</i>

Distribution Original Accompanies Shipment. Copy returned with Report.

PARAMETER					REMARKS
B/VSV	PO Methyls	VOA(C-7)			
✓	✓	✓			PIC Screen
✓	✓	✓			1647-01A,B 28.9 ppm
✓	✓	✓			1647-02A,B 23.76 ppm
✓	✓	✓			Replacement
✓	✓	✓			1647-03A,B,C,D,E,F
		✓			1647-04A,B,C

Remarks

BNSV - base neutral semi-volatile
 POPs table - priority pollutants
 VOA - volatile organics

ENGINEERING-SCIENCE

19101 VILLAVIEW ROAD SUITE 301, CLEVELAND, OHIO 44119 • 216/486-9005

Chain-of Custody Record

W.O. 1657

PROJ. NO.		PROJECT NAME/LOCATION		NO. OF CON-TAINERS		PARAMETER		REMARKS
STA. NO.	DATE	TIME	STATION LOCATION	NO. OF CON-TAINERS	PARAMETER	REMARKS		
22452.03	RANGE-NW 34/Sec. 17, OH			3	1657-01A, B, C			
"	"	1345	RB-HW-MW 3-6W2	7	1657-02A, B, C, D, E, F, G			
"	"	1410	RB-HW-MW 1-6W2	7	1657-03A, B, C, D, E, F, G			
"	"	1420	RB-HW-MW 4-6W1	7	1657-04A, B, C, D, E, F, G			
"	"	1430	RB-HW-MW FB7	7	1657-05A, B, C, D, E, F, G			
10.9°C v Intact								
Relinquished by: (Signature) <i>C.O. Carpenter</i> Date / Time 2/6/90 16:30 Received by: (Signature) <i>Bill</i> Date / Time 5/28/85 7:30								
Relinquished by: (Signature) <i>C.O. Carpenter</i> Date / Time 2/6/90 16:30 Received by: (Signature) <i>Bill</i> Date / Time 5/28/85 7:30								
Relinquished by: (Signature) <i>C.O. Carpenter</i> Date / Time 2/6/90 16:30 Received by: (Signature) <i>Bill</i> Date / Time 5/28/85 7:30								
Remarks: BWSV - bare neutral semi-volatile for VOA - volatile organics pollutants - priority pollutants								

19101 VILLAVIEW ROAD SUITE 301, CLEVELAND, OHIO 44119 • 216/486-9005

W.O. 1657

[illegible]

9101 VILLAVIEW ROAD, SUITE 301, CLEVELAND, OHIO 44119 • 216/486-9005

W.D. 1657

G-14

19101 VILLAVIEW ROAD SUITE 301, CLEVELAND, OHIO 44119 • 216/486-9005

Chain-of Custody Record

PROJECT NAME/LOCATION

PROJ. NO.	PROJECT NAME/LOCATION
2242.03	LANGL--HWJA/Cen, OH

SAMPLERS: (Signature)

B.O. Carpenter

[illegible]

PARAMETER

15 NOV 1964
1000000
15

REMARKS

NO.
OF
CON-
TAINERS

1660-01A, B, C

1660-02A, B, C, D, E, F, G.

11.0°C + Intact

Relinquished by: (Signature)

Date / Time 21/1/90 1530

Received by: (Signature)

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Relinquished by: (Signature)

Date / Time

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Received for Laboratory by:

Date / Time

Time

Remarks

Ben J V - Director General - Washington
 Department of State - Washington
 VOA - Voice of America

Distribution Original Accompanies Shipment ☒ **Copy returned with Report.**

19101 VILLAVIEW ROAD, SUITE 301, CLEVELAND, OHIO 44119 • 216/486-9005

W.O. 1665-

G-16

Chain-of Custody Record

19101 VILLAVIEW ROAD, SUITE 301, CLEVELAND, OHIO 44119 • 216/486-9005

W.O. 1669

[illegible]

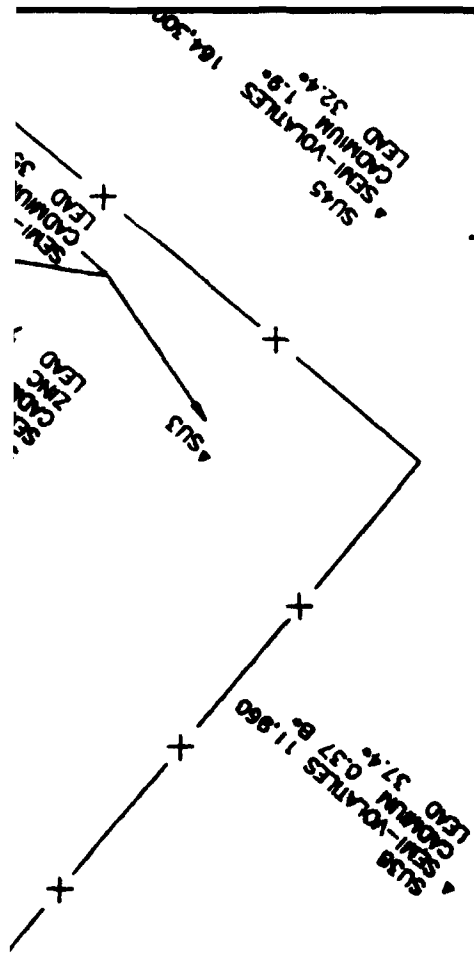
9101 VILLAVIEW ROAD SUITE 301, CLEVELAND, OHIO 44119 • 216/486-9005

W.O. 16.69

PROJ. NO.	PROJECT NAME/LOCATION	NO. OF CONTAINERS	PARAMETER	REMARKS				
C245203	RANGLIS-HW 5A / Co., OH							
SAMPLERS: (Signature) C.O. Carpenter								
STA. NO.	DATE	TIME	GRAB	COMP	STATION LOCATION	NO. OF CONTAINERS	PARAMETER	REMARKS
	7/12	940			RB-HW-RB13	7	1469-05A,B,C,D,E,F,G	
	"	930			RB-HW-FB9	6	1669-05A,B,C,D,E,F,G	PP Metals
	"	1200			RB-HW-TB15	3	1069-05A,B,C	Filtered for RB-HW-FB9
								Per Greg Carpenter, ES/closed and open Do not filter samples which have already been analyzed. Analyte from as usual. 7/22/90
								7.40 + Initial
Relinquished by: (Signature) G.O. Carpenter		Date / Time	7/19/90	5:00	Received by: (Signature) Air Bill # 645042033	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)		Date / Time			Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)		Date / Time			Received for Laboratory by: (Signature)	Date / Time	10/10	Remarks: BANSV-base material same with C.1. VOA - volatile organics possible - priority for 10/10/90

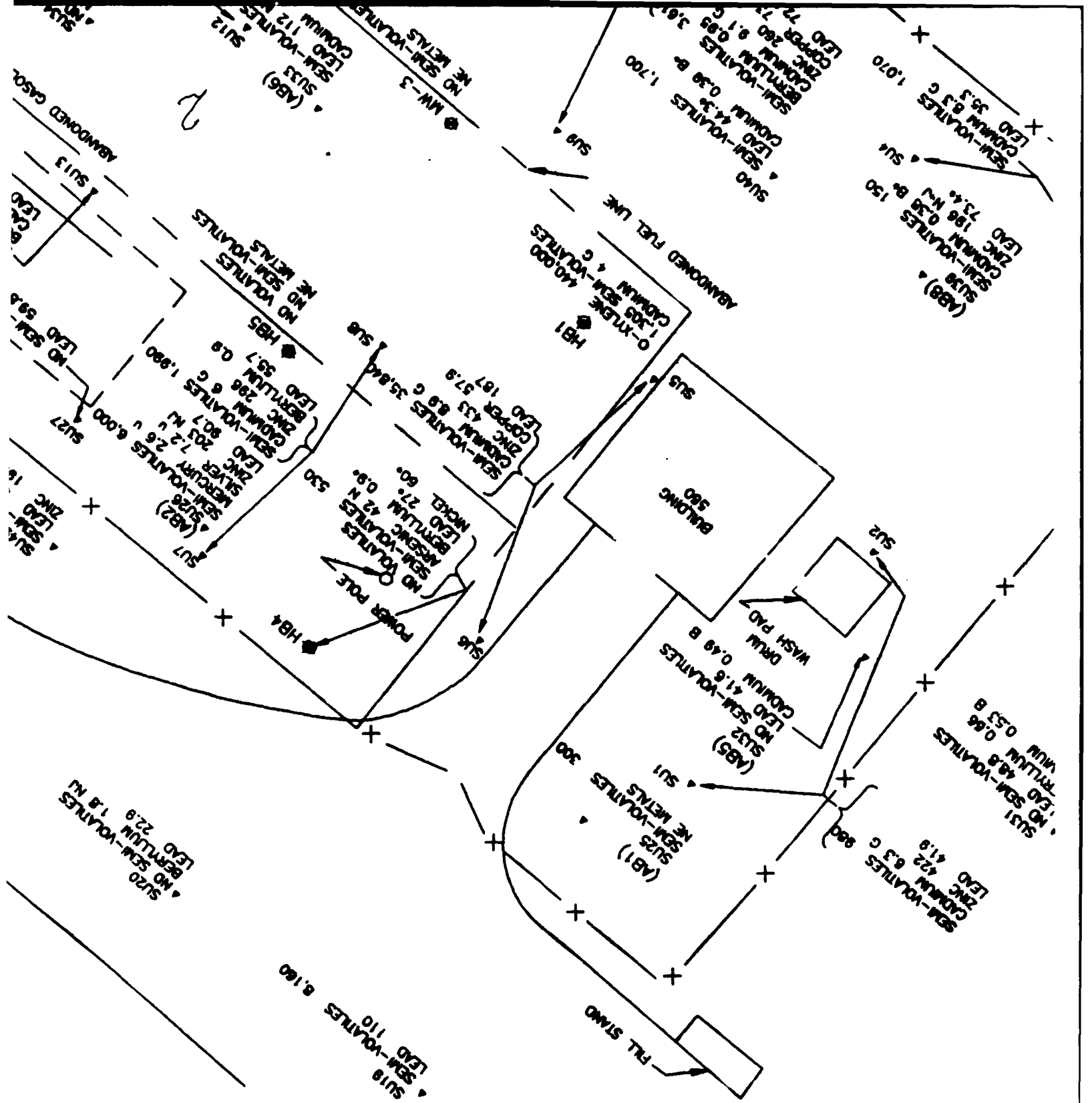
Distribution Original Accompanies Shipment. Copy returned with Report.

1



SUS SEM-YOATLES 16.300
SEM-YOATLES 32.4 1.9
SUS SEM-YOATLES 11.860
SEM-YOATLES 37.4 0.57

GROUNDWATER FLOW



4



LEGEND:

- X— FENCE
- ◆ AB1/HB1 SOIL BORING
- ⊕ MW1 MONITORING WELL
- ▲ SU1 SURFACE SOIL SAMPLE
- ND NOT DETECTED
- NE DOES NOT EXCEED ESTABLISHED CRITERIA
- SEE TEXT FOR EXPLANATION OF MAPPING CRITERIA
- METALS IN mg/Kg
- VOLATILE AND SEMI-VOLATILE ORGANICS IN $\mu\text{g/Kg}$

ABANDONED 3 UST'S
25,000 GAL

5



LEGEND:

- X— FENCE
 - ◆ AB1/HB1 SOIL BORING
 - ◈ MW1 MONITORING WELL
 - ▲ SU1 SURFACE SOIL SAMPLE
 - ND NOT DETECTED
 - NE DOES NOT EXCEED ESTABLISHED CRITERIA
- SEE TEXT FOR EXPLANATION OF MAPPING CRITERIA
- METALS IN mg/Kg
- VOLATILE AND SEMI-VOLATILE ORGANICS IN $\mu\text{g/Kg}$

5				PROJECT NO.	DATE
4				DESIGNED BY	
3				DRAWN BY	

DRAWN BY

DESIGNED BY

PROJECT NO.

DATE _____

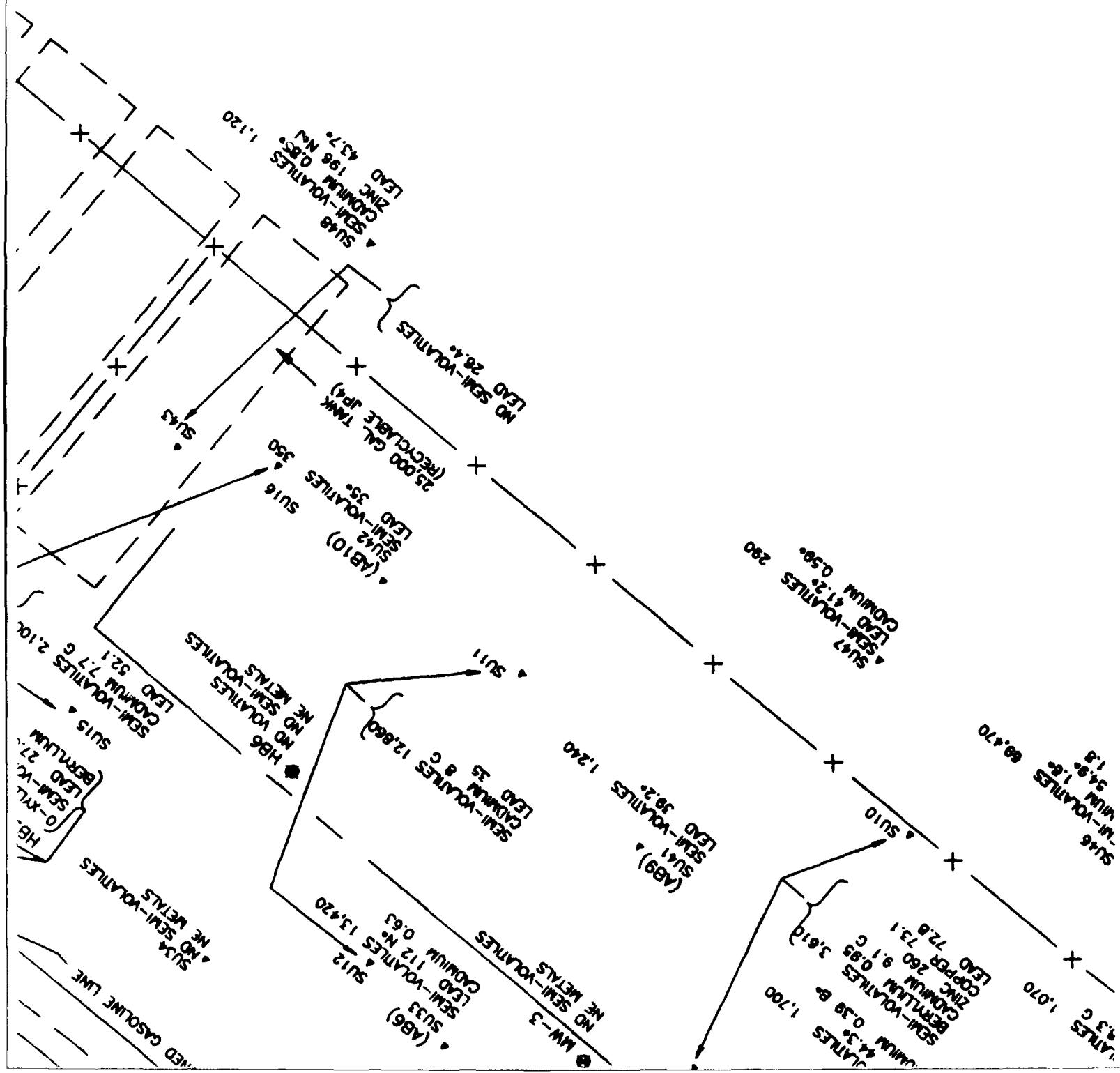
7

▲ SEMI-VOL
 CADMIUM 54.9
 LEAD 207.2
 SILVER 107.9

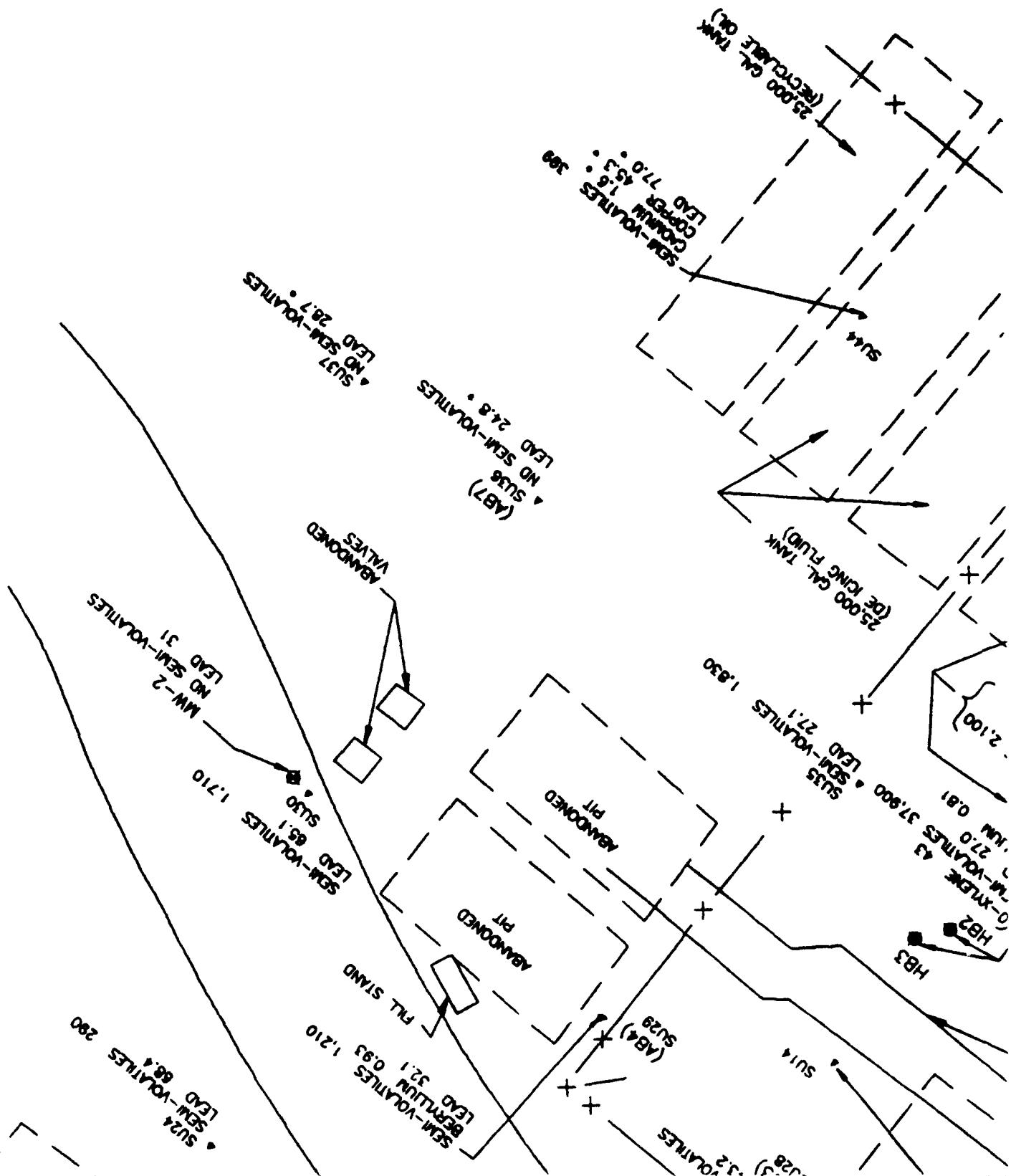
LEAD 32.4
CADMIUM 1.9
SEM-VOLATILES 164.300

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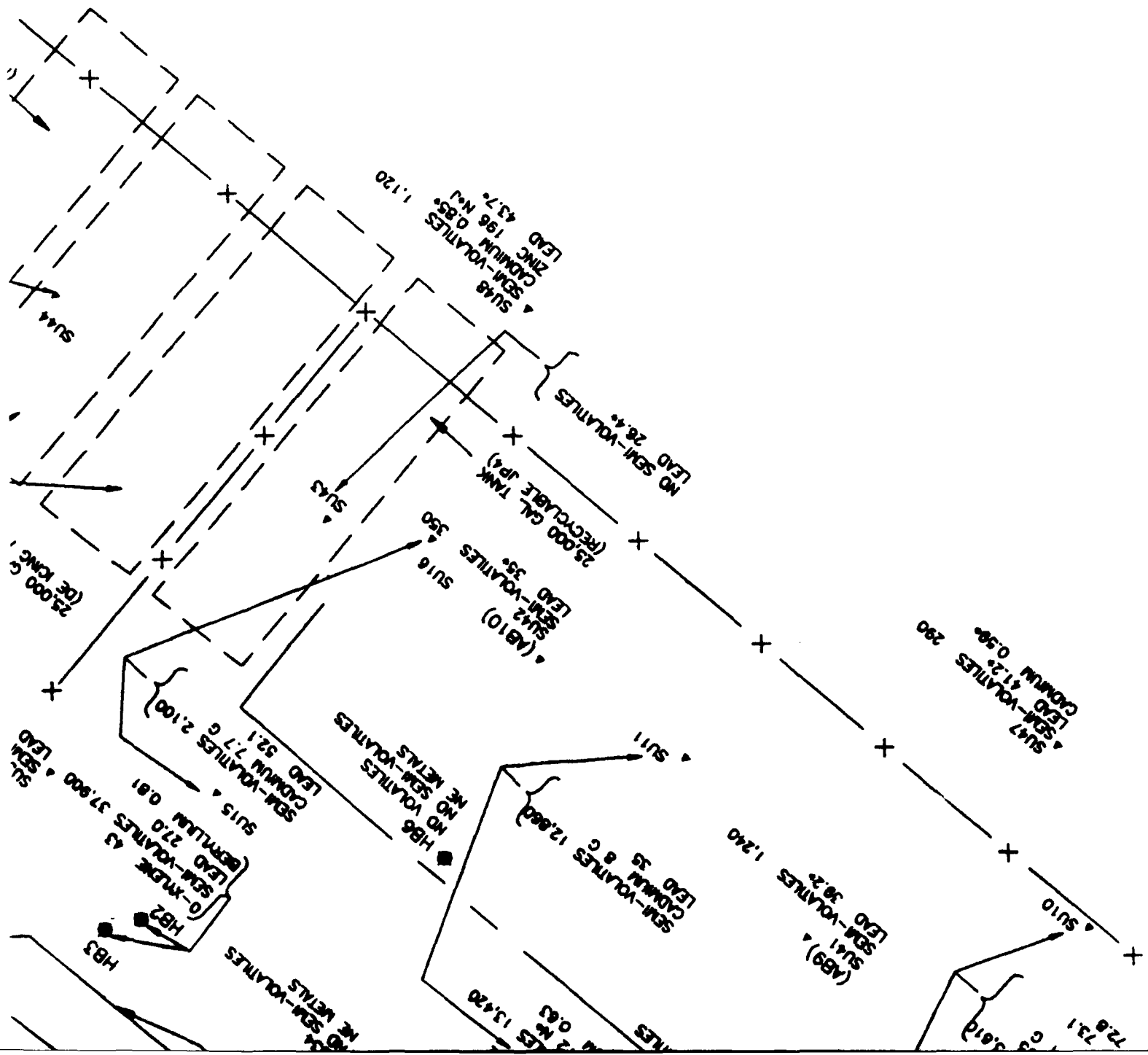
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5				PROJECT NO.
4				DESIGNED BY
3				DRAWN BY
2				CHECKED BY
1				ENGINEER
				REGISTRATION NO.

6

/ILLAVIEW ROAD • SUITE 301 • CLEVELAND, OHIO 44119 • 216/486-8006

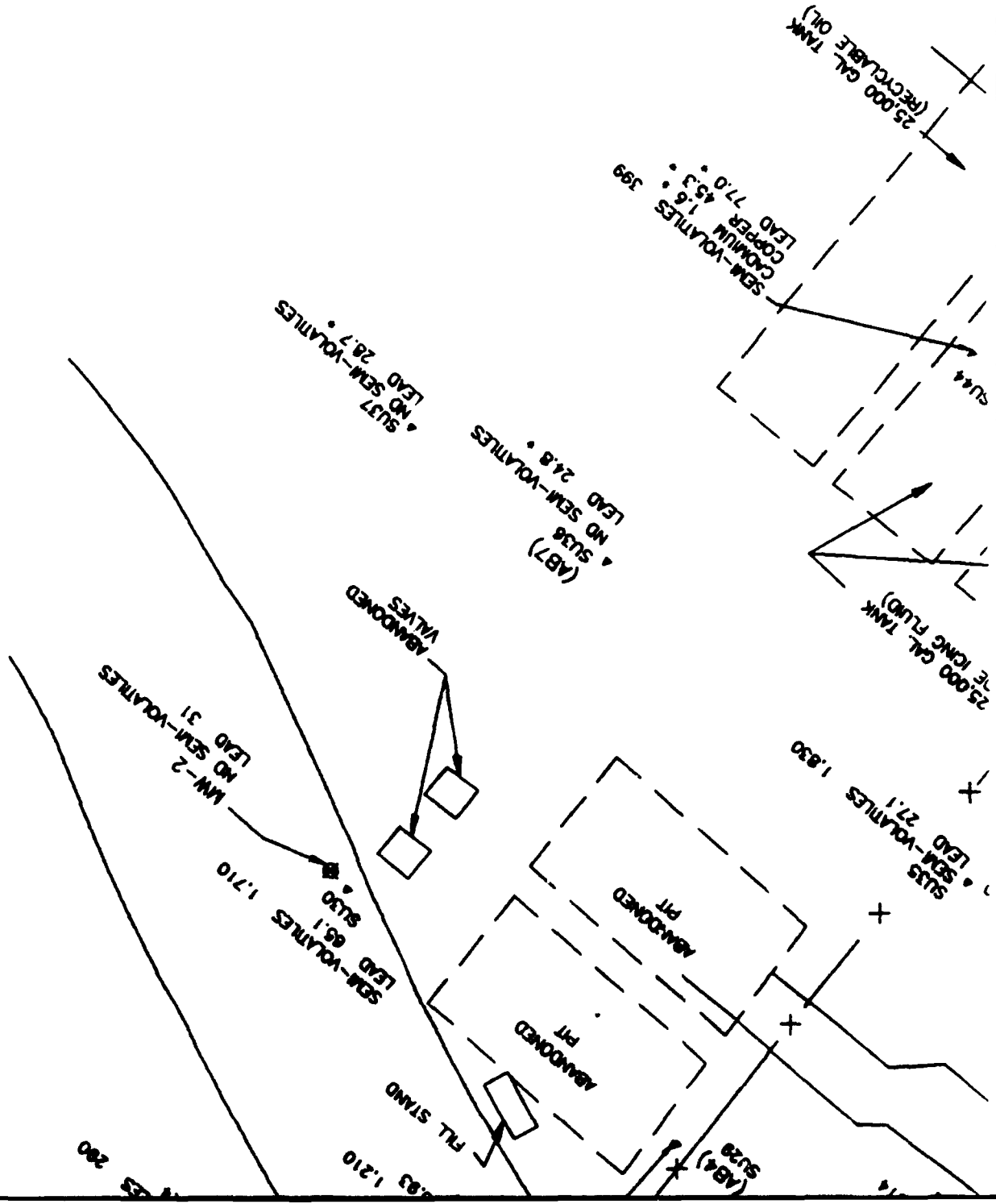


ES

HAZARDOUS WASTE STORAGE AREA

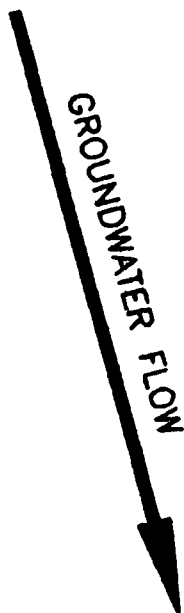
RICKENBACKER ANG, OHIO

12



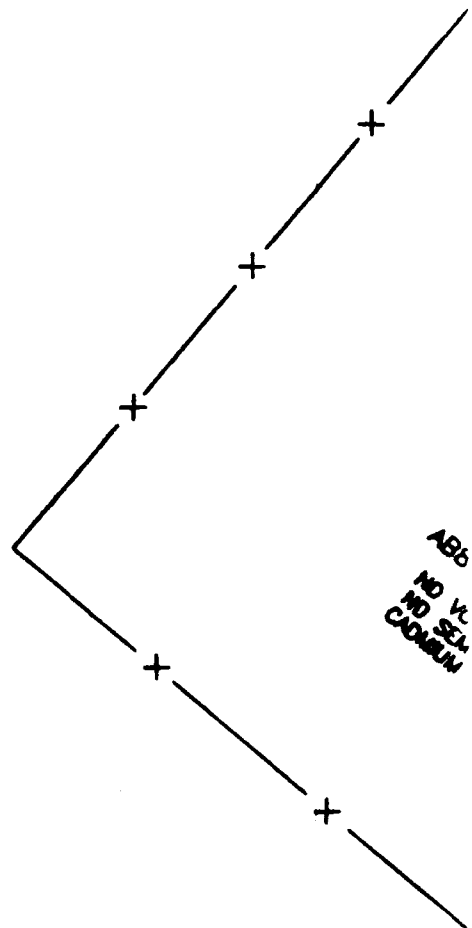
ANALYTICAL RESULTS			A
SEMI-VOLATILE ORGANICS AND METALS SURFACE SOIL SAMPLES 0' - 2'			
SCALE	AS SHOWN	SHEET NO. 1	
FILE NO.			

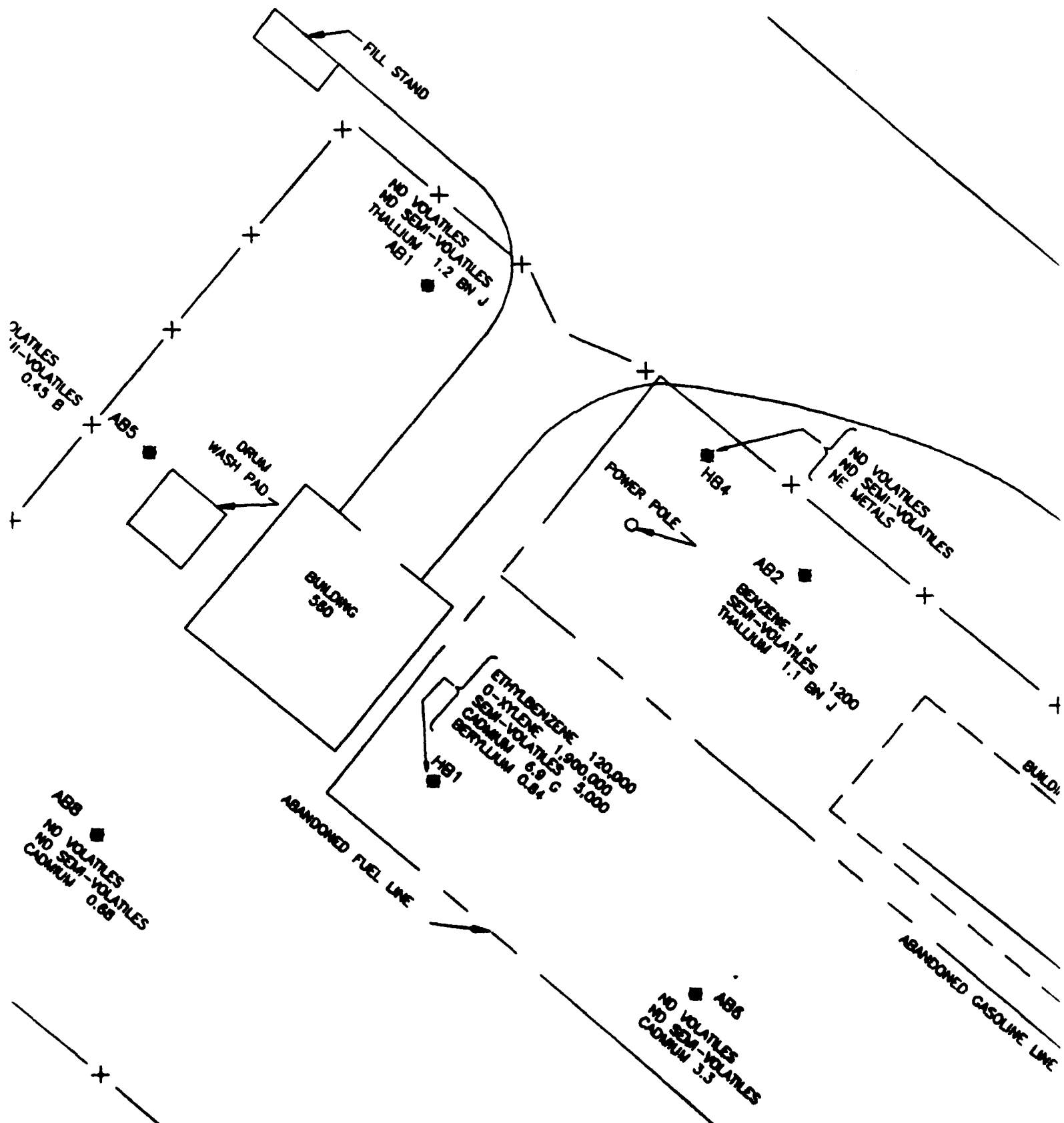
13

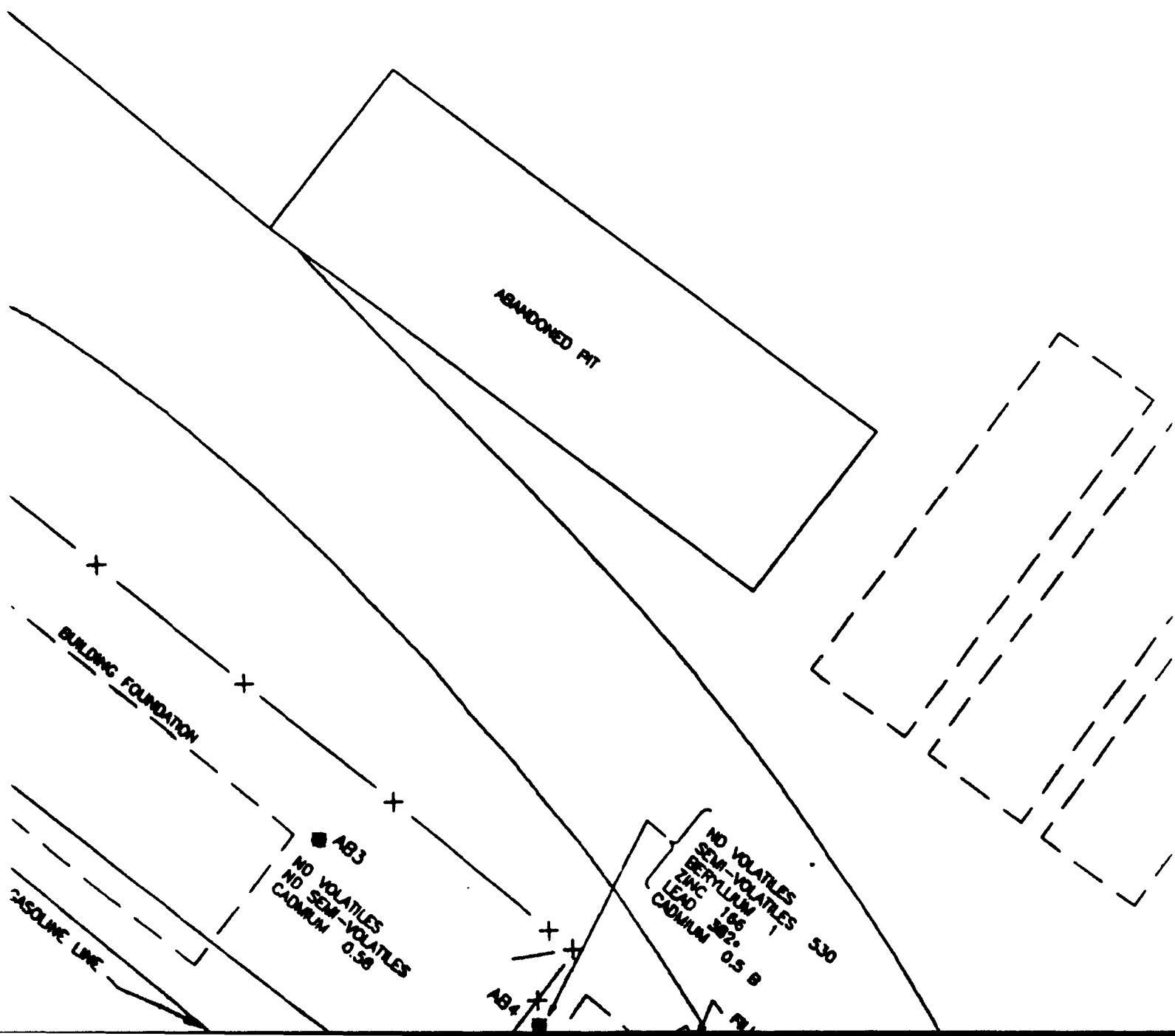


NO VOLATILES
NO SEMI-VOLATILE
CADMIUM 0.45 B

AB6
NO VOL
NO SEMI
CADMIUM







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LEGEND:

- X— FENCE
- ◆ AB1/HB1 SOIL BORING
- ⊕ MW1 MONITORING WELL
- ▲ SU1 SURFACE SOIL SAMPLE
- ND NOT DETECTED
- NE DOES NOT EXCEED ESTABLISHED CRITERIA
- SEE TEXT FOR EXPLANATION OF MAPPING CRITERIA
- METALS IN mg/Kg
- VOLATILE AND SEMI-VOLATILE ORGANICS IN $\mu\text{g/Kg}$

ABANDONED 3 UST'S
25,000 GAL

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LEGEND:

—X— FENCE

◆ AB1/HB1 SOIL BORING

⊕ MW1 MONITORING WELL

▲ SU1 SURFACE SOIL SAMPLE

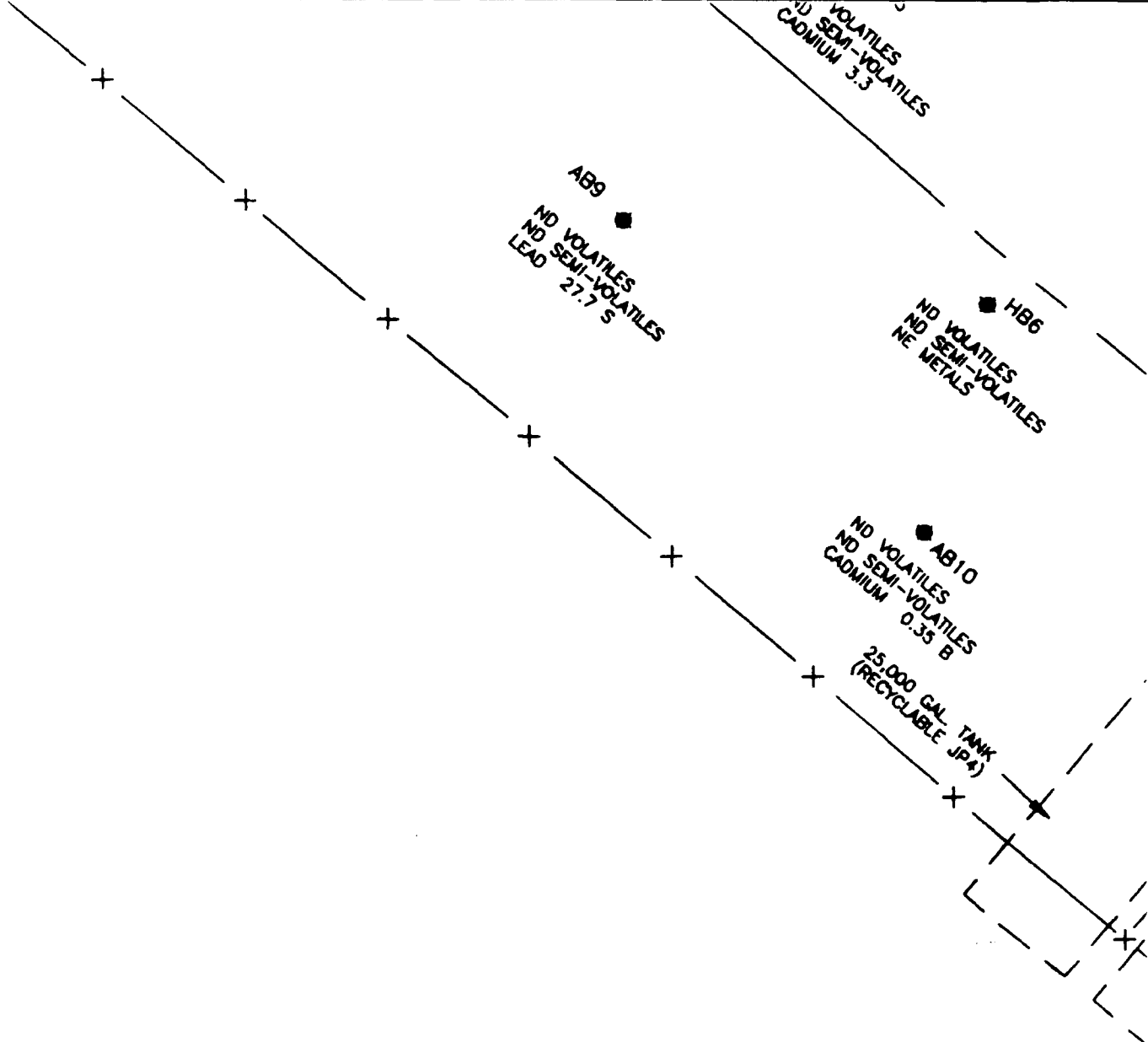
ND NOT DETECTED

NE DOES NOT EXCEED ESTABLISHED CRITERIA

SEE TEXT FOR EXPLANATION OF MAPPING CRITERIA

METALS IN mg/Kg

VOLATILE AND SEMI-VOLATILE ORGANICS IN $\mu\text{g/Kg}$

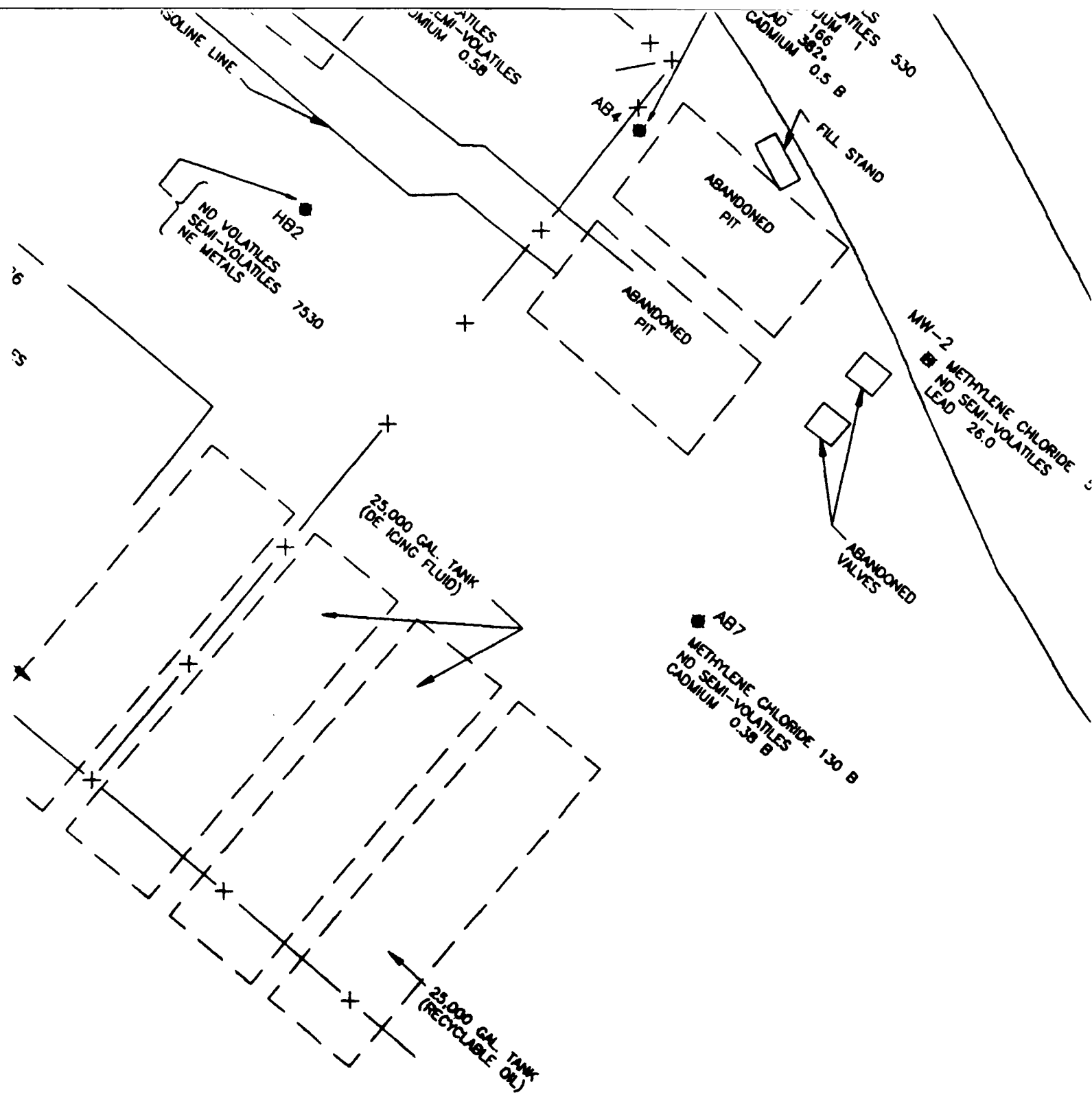


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DATE	

ENGINEERING-SCIENCE

DESIGN • RESEARCH • PLANNING



7

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213/486-9006

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8

WASTE STORAGE AREA

WACKER ANGB, OHIO

METALS, VOLATILE ORGANICS AND
SEMI-VOLATILE ORGANICS
SOIL SAMPLES 3' - 5'

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0115C07	5				PROJECT NO.
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	2				CHECKED BY
	1				ENGINEER _____
	NO.	DATE	REVISIONS	BY	REGISTRATION NO. _____ DATE

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		DRAWN BY		
		CHECKED BY		
		ENGINEER _____		
REVISIONS	BY	REGISTRATION NO. _____ DATE _____		

AB9
NO VOLATILES
NO SEMI-VOLATILES
LEAD 27.7 S

HB6
NO VOLATILES
NO SEMI-VOLATILES
HE METALS

HB2
NO VOLATILES
SEM-VOLATILES
HE METALS 7530

AB10
NO VOLATILES
NO SEMI-VOLATILES
CADMIUM 0.35 B

25,000 GAL TANK
(RECYCLABLE JPA)

25,000 GAL
(OF ICING FLUID)

25%
(REC.)

//

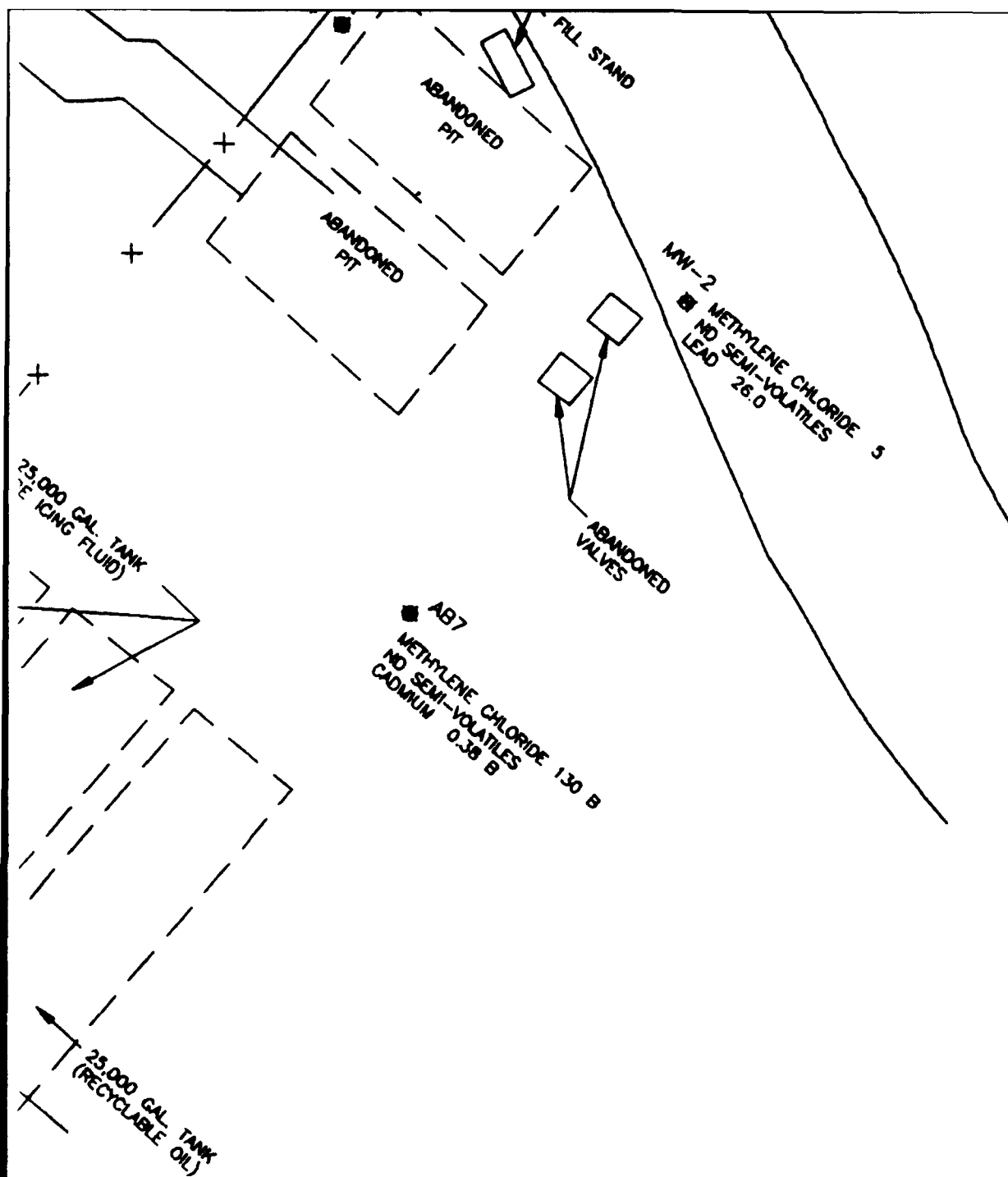
ENGINEERING-SCIENCE

DESIGN • RESEARCH • PLANNING

LAVIEW ROAD • SUITE 301 • CLEVELAND, OHIO 44119 • 216/486-9005

OFFICES IN PRINCIPAL CITIES





12

ES

HAZARDOUS WASTE STORAGE AREA

RICKENBACKER ANGB, OHIO

13

EA	METALS, VOLATILE ORGANICS AND SEMI-VOLATILE ORGANICS SOIL SAMPLES 3' - 5'	SCALE AS SHOWN
		SHEET NO. 2
	ANALYTICAL RESULTS	FILE NO.

1

GROUNDWATER FLOW

NO SEMI-VOLATILES
NO METALS

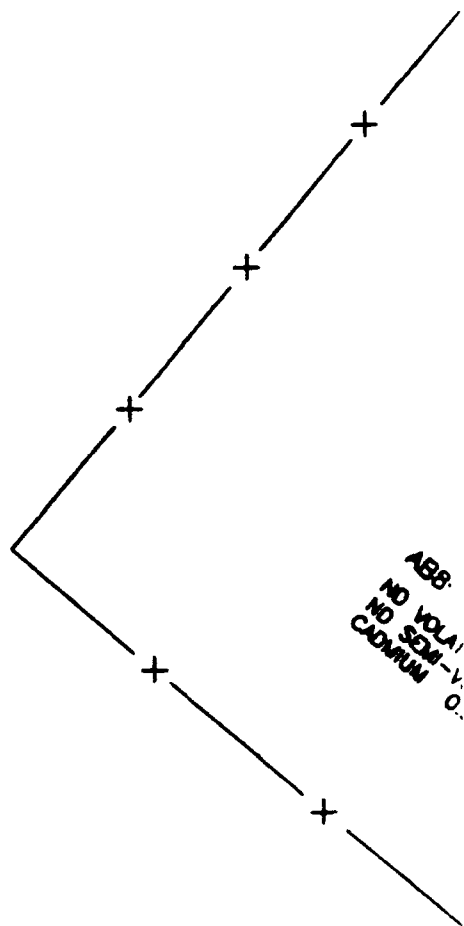
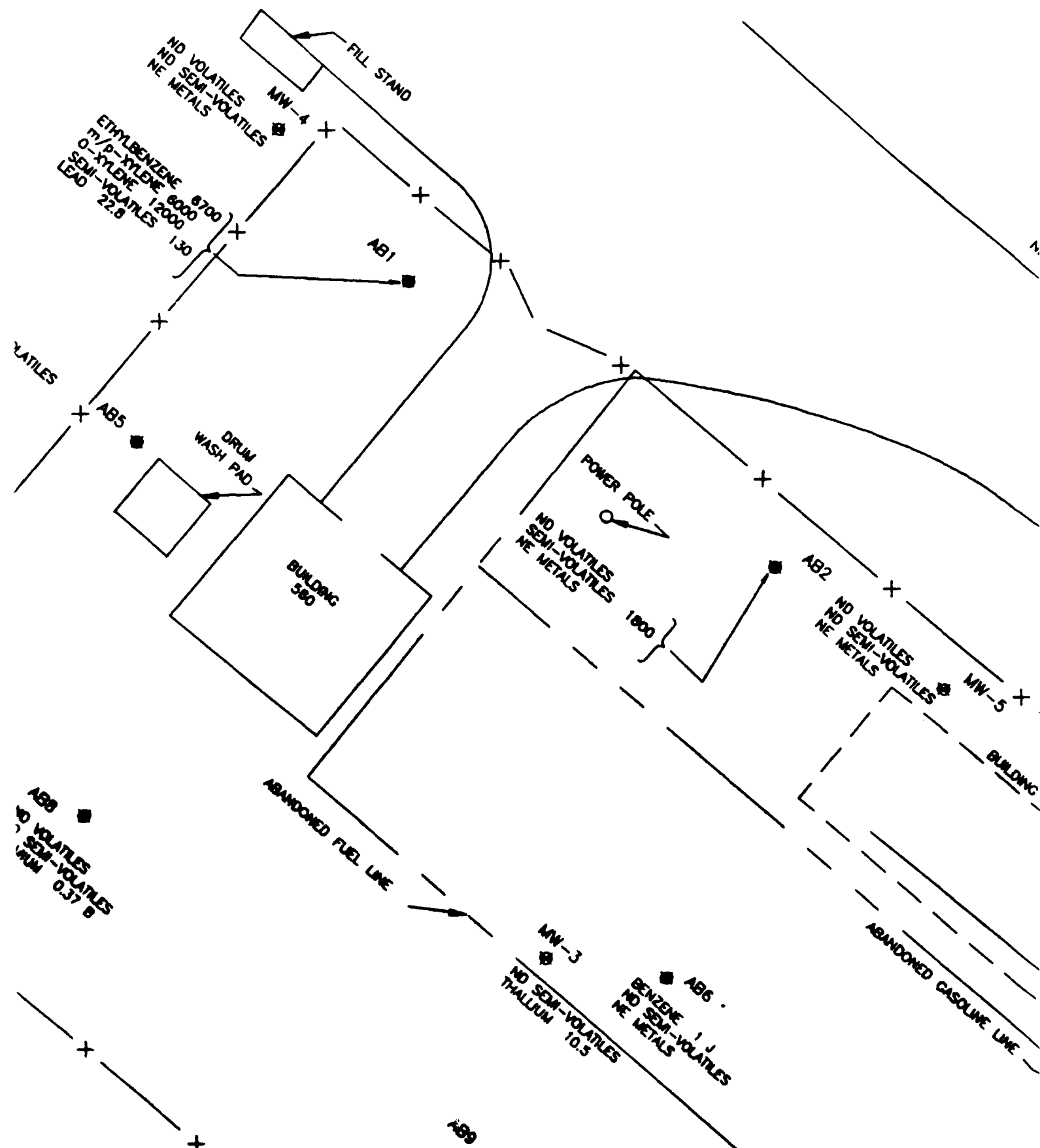


ABB.
NO VOLATILES
NO SEMI-VOLATILES
NO METALS

2



NO VOLATILES
NO SEMI-VOLATILES
NO METALS

MW-9

ABANDONED PIT

MW-5

BUILDING FOUNDATION

AB3
BENZENE VOLATILES
NO SEMI-VOLATILES
CADMIUM 0.45 B

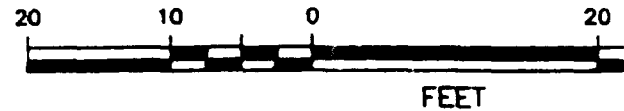
AB4

ACETONE
OIL
BENZENE
E.P.
XYLENE
SEM-VOLATILES
CADMIUM 0.45 B
1-320

FILL STATION

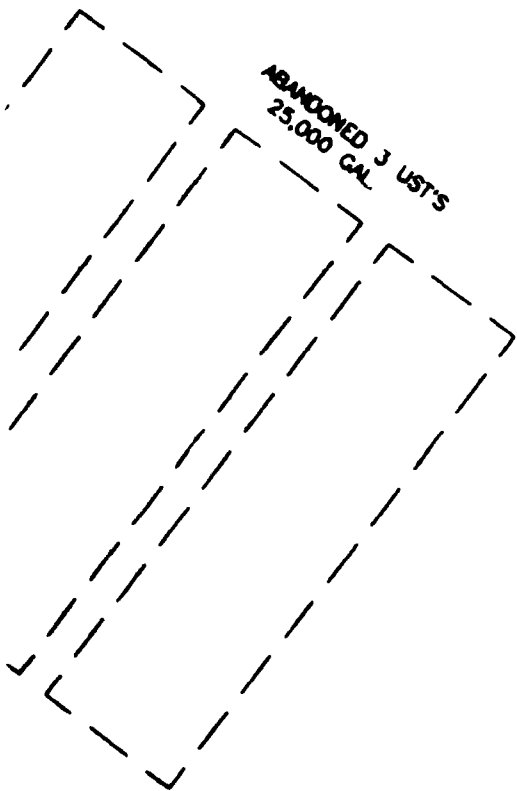
GASOLINE LINE

4



LEGEND:

- X— FENCE
 - ⬇ AB1/HB1 SOIL BORING
 - ⬇ MW1 MONITORING WELL
 - ▲ SU1 SURFACE SOIL SAMPLE
 - ND NOT DETECTED
 - NE DOES NOT EXCEED ESTABLISHED CRITERIA
- SEE TEXT FOR EXPLANATION OF MAPPING CRITERIA
- METALS IN mg/Kg
- VOLATILE AND SEMI-VOLATILE ORGANICS IN μ g/Kg



5



LEGEND:

—X— FENCE

⬇ AB1/HB1 SOIL BORING

⬇ MW1 MONITORING WELL

▲ SU1 SURFACE SOIL SAMPLE

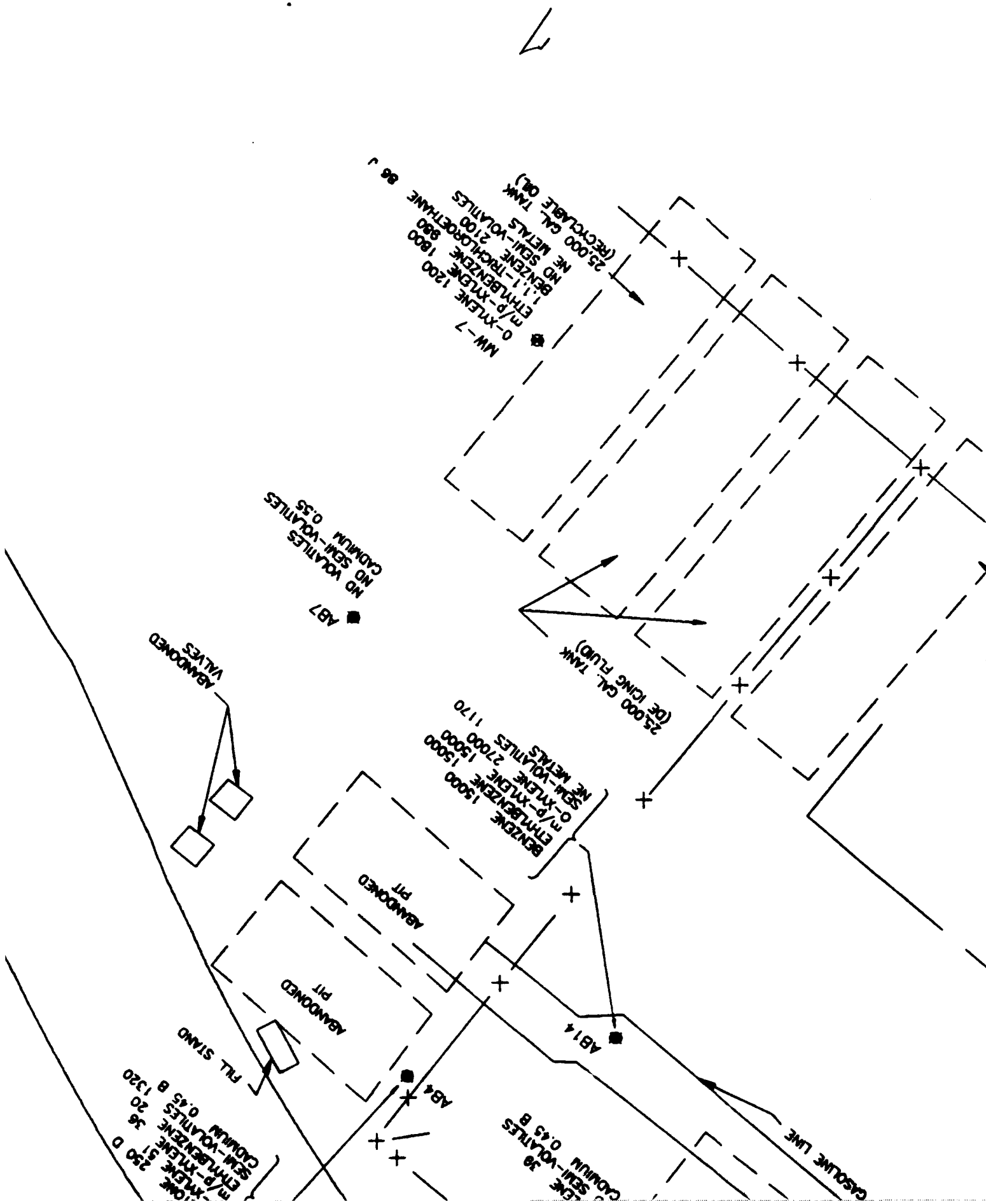
ND NOT DETECTED

NE DOES NOT EXCEED ESTABLISHED CRITERIA

SEE TEXT FOR EXPLANATION OF MAPPING CRITERIA

METALS IN mg/Kg

VOLATILE AND SEMI-VOLATILE ORGANICS IN $\mu\text{g/Kg}$

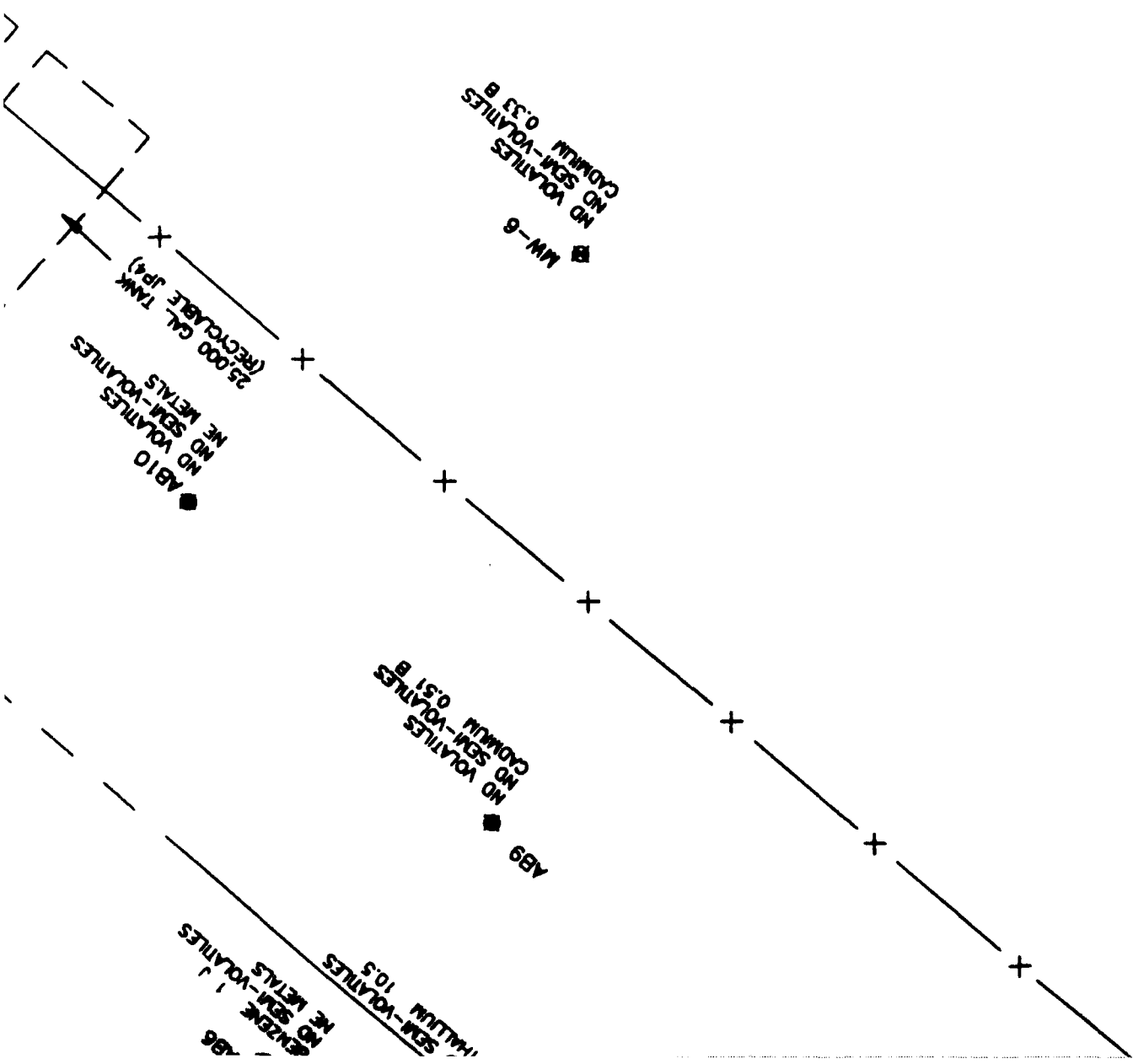


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STE STORAGE AREA

METALS, VOLATILE ORGANICS AND
SEM-VOLATILE ORGANICS
SOIL SAMPLE 8' - 10'

KW-8
NO VOLATILES
NO SEM-VOLATILES
SEM-VOLATILES 1.7 MS

8

b

REVISIONS		BY	REGISTRATION NO.	DATE
			ENGINEER	
			CHECKED BY	
			DRAWN BY	
			DESIGNED BY	
			PROJECT NO.	DATE

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DES
19101 VILLAVIEW

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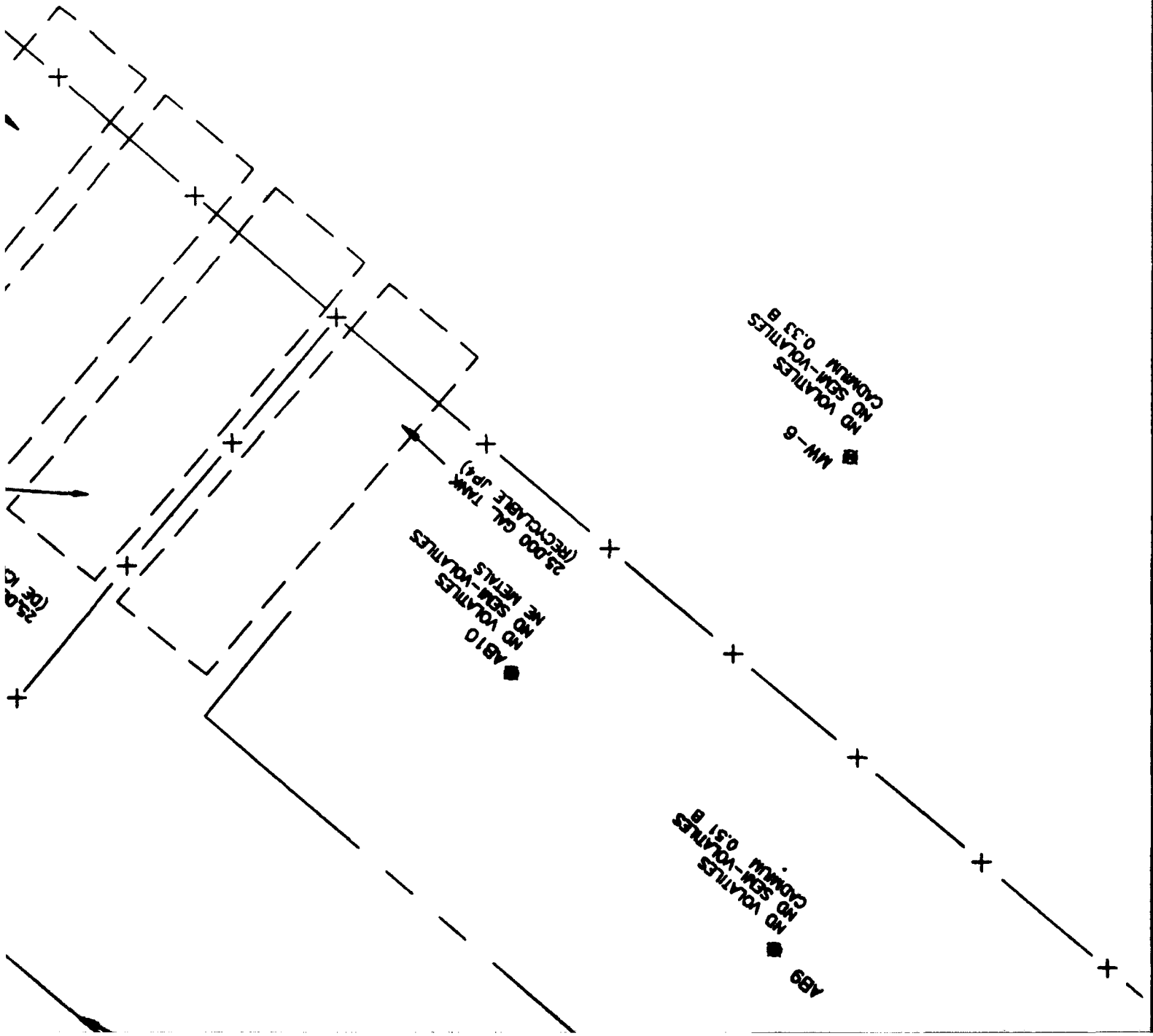
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ES

HAZARDOUS WASTE STORAGE AREA

HICKENBACKER ANG, OHIO

12

MW-8
VOLATILES
SEM-VOLATILES
SELENIUM 1.7 NS

MW-7
O-XYLENE 1200
ETHYLBENZENE 1800
P-XYLENE 2100
NE METALS
25,000 GAL. TANK
(RECYCLABLE OIL)

AB7
VOLATILES
SEM-VOLATILES
CADMIUM 0.35

ABANDONED
VALVES

AB14
O-XYLENE 1500
ETHYLBENZENE 1500
NE METALS
27,000
1170

ABANDONED
PT

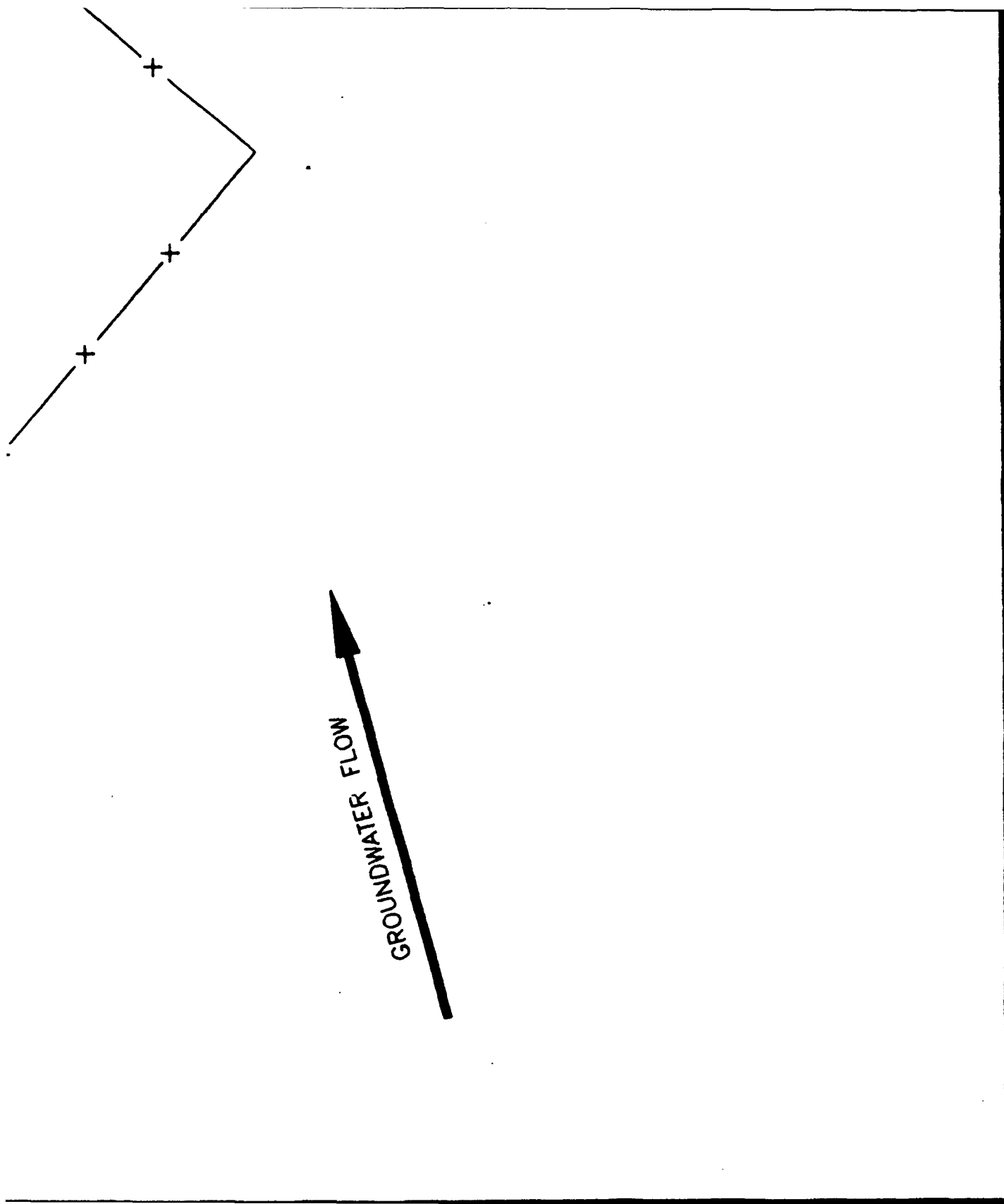
ABANDONED
PT

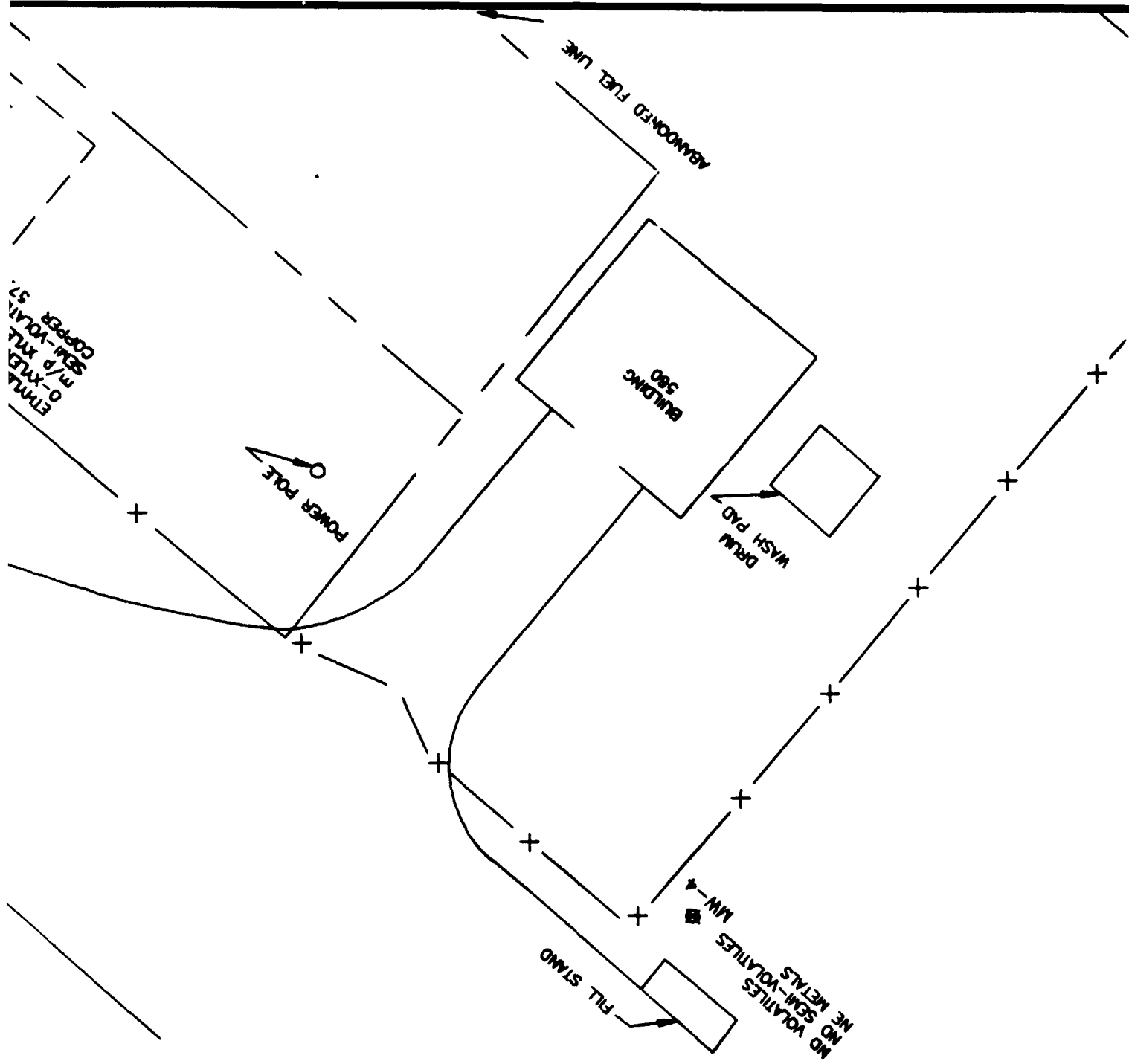
ABANDONED
PT

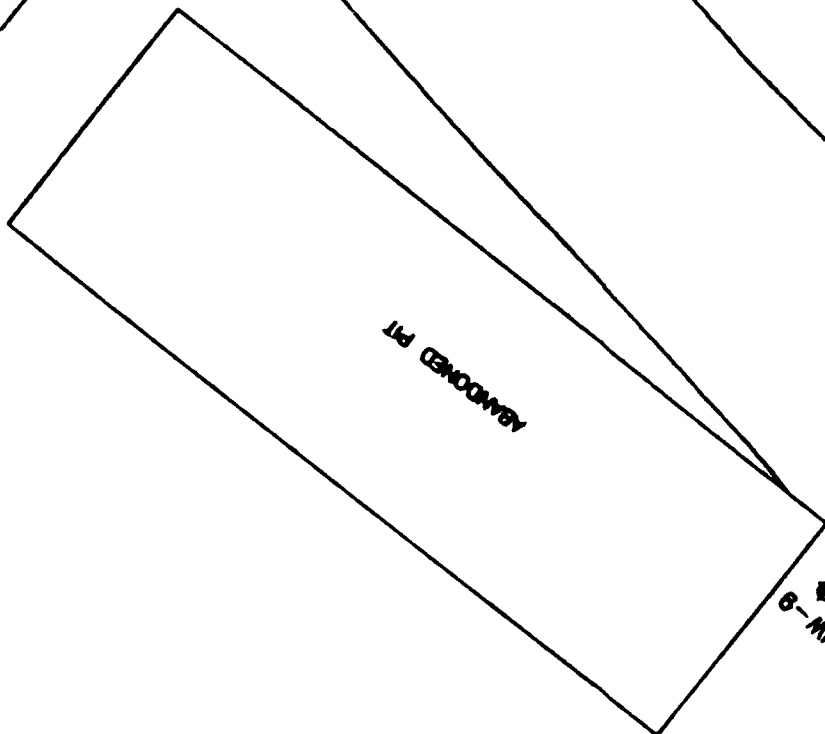
1320

A	ANALYTICAL RESULTS	
	METALS, VOLATILE ORGANICS AND SEM-VOLATILE ORGANICS SOIL SAMPLE 8' - 10'	
	FILE NO.	
	3	
	SHEET NO.	
	AS SHOWN	
	SCALE	

13







ABANDONED PIT

MW-8

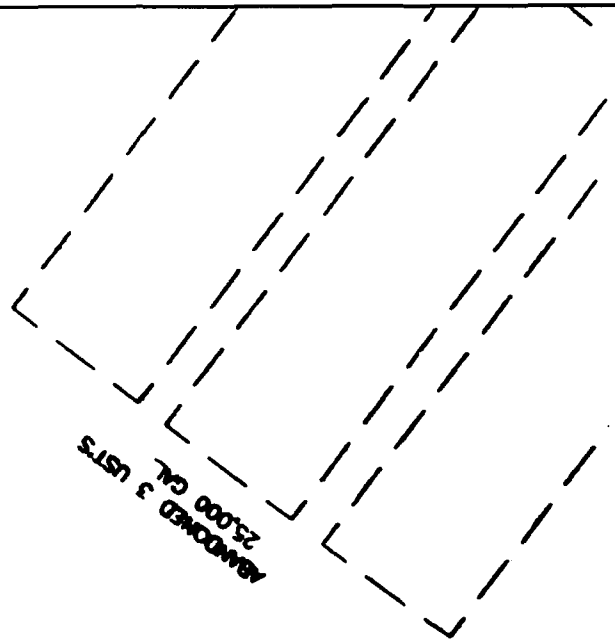
NO VOLATILES
NO SEMI-VOLATILES
NO METALS

MW-5

TRACED
MILE 1000 7400
MILE 1800 620
57.40
NO VOLATILES
NO SEMI-VOLATILES
NO METALS

BUILDING FOUNDATION

3



VOLATILE AND SEMI-VOLATILE ORGANICS IN

METALS IN mg/kg

SEE TEXT FOR EXPLANATION OF WARNING

NE DOES NOT EXCEED ESTABL

NO NOT DETECTED

▲ SU1 SURFACE SOIL SAMPLE

◆ MW1 MONITORING WELL

◆ AB1/HB1 SOIL BORING

—X— FENCE

LEGEND:

FEI



VOLATILE AND SEMI-VOLATILE ORGANICS IN mg/kg
 METALS IN mg/kg

SEE TEXT FOR EXPLANATION OF MAPPING CRITERIA
 NE DOES NOT EXCEED ESTABLISHED CRITERIA

NO NOT DETECTED

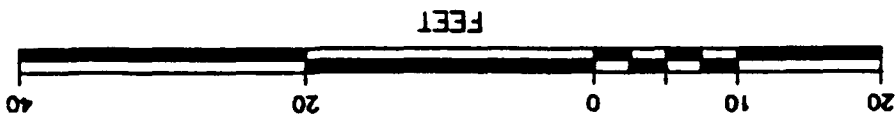
▲ SU1 SURFACE SOIL SAMPLE

⊕ MW1 MONITORING WELL

◆ AB1/HB1 SOIL BORING

—X— FENCE

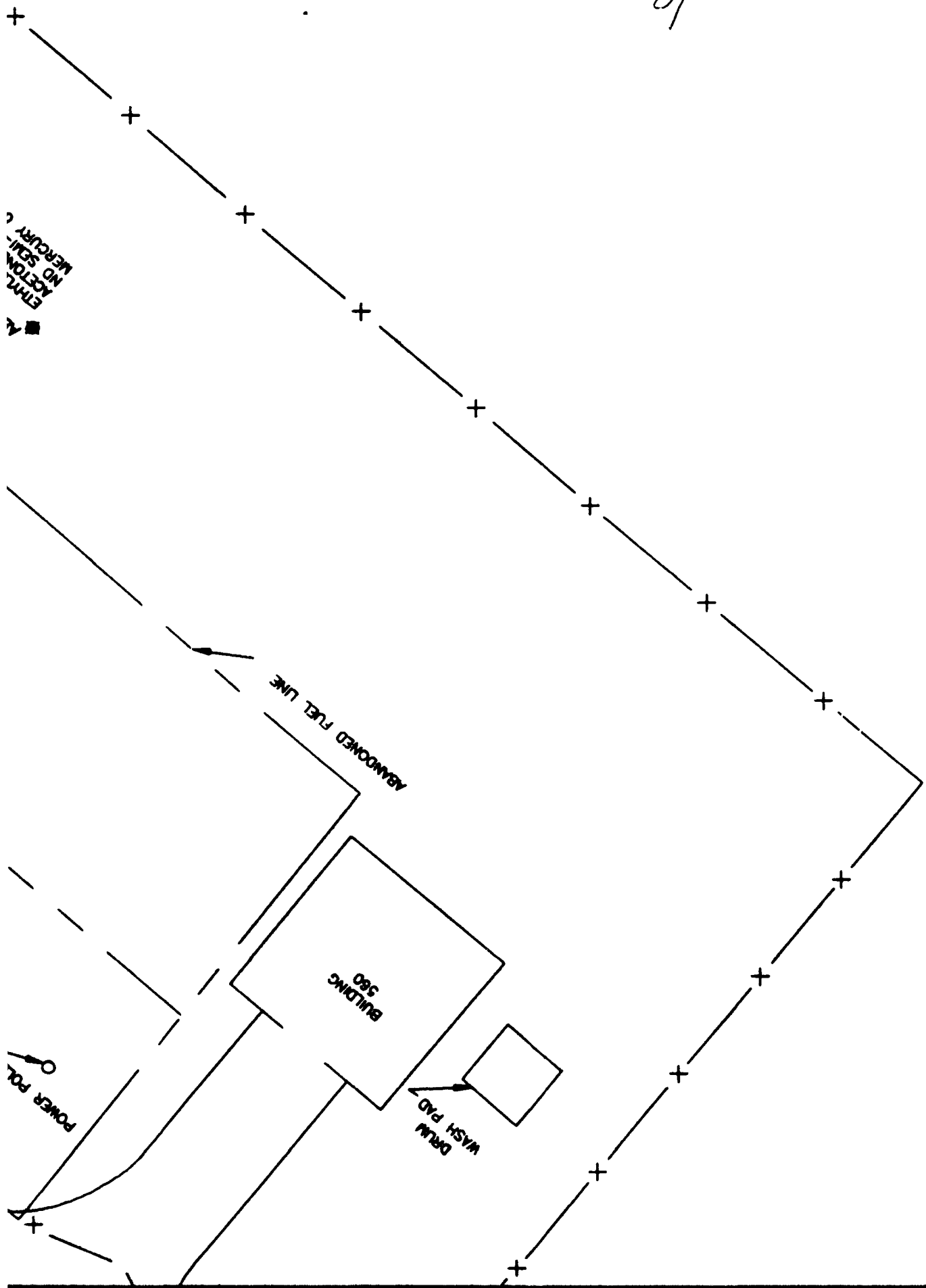
LEGEND:



5

11-0000
TOLUENE
MW-6

9



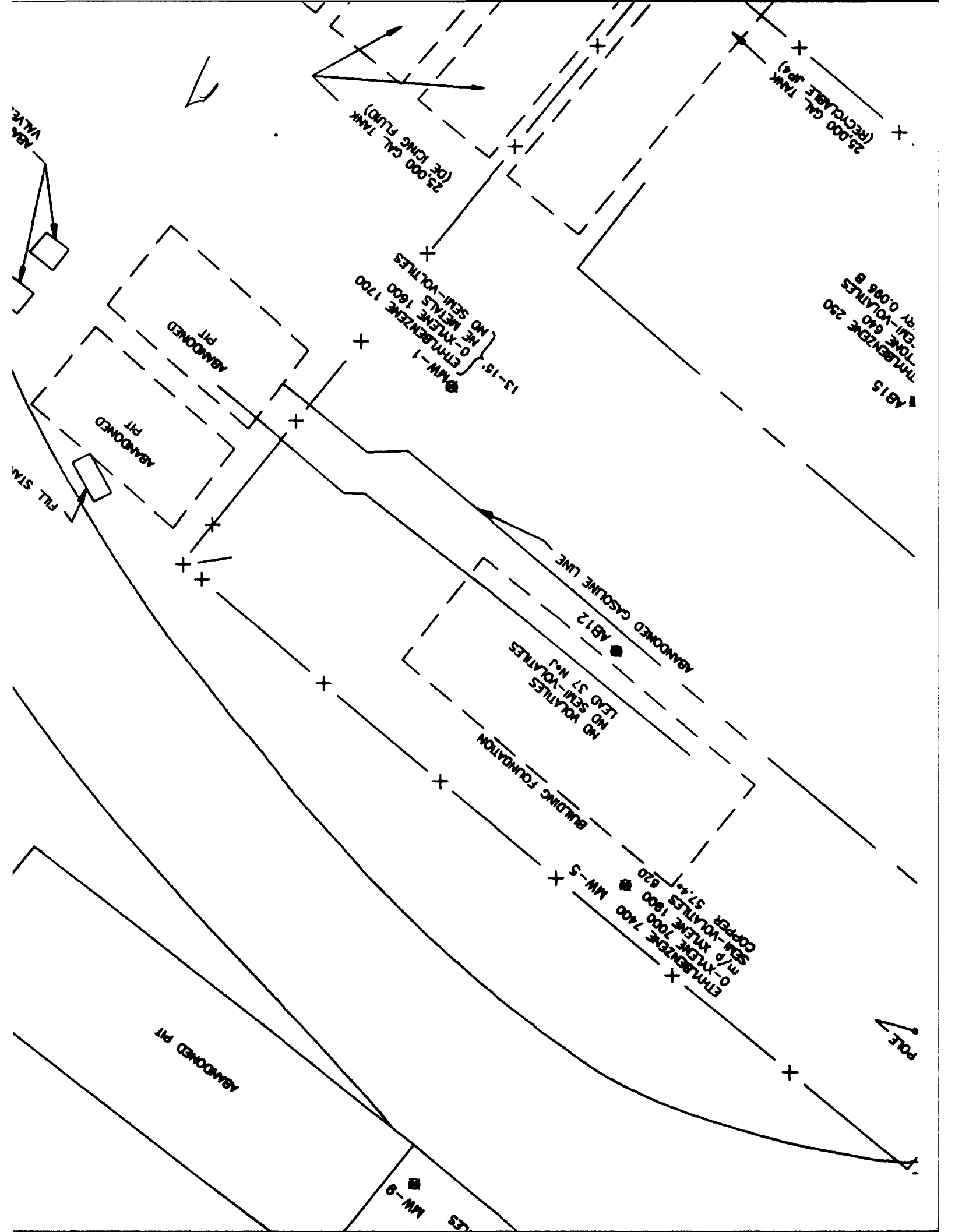
EMT
TO SOIL
MERCURY

POWER POLE

ABANDONED FUEL LINE

BUILDING 360

DRUM WASH PAD

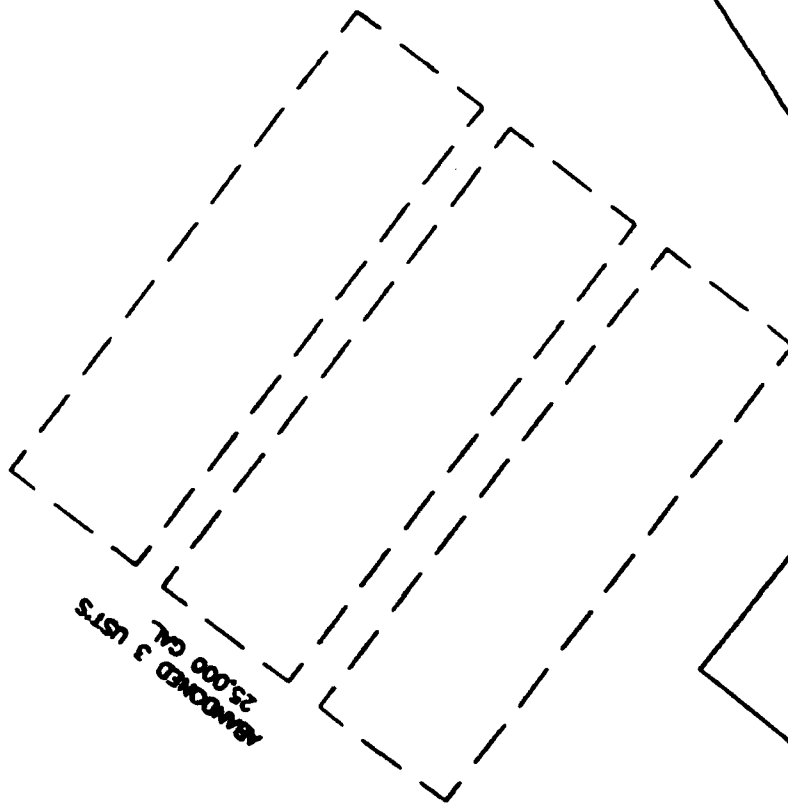


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ABANDONED
LINES



STAND



ABANDONED 3 UST'S
25,000 GAL

▲ SURFAC
NO NOT DE
NE DOES I
SEE TEXT FOR EXPLAN
METALS IN mg/kg
VOLATILE AND SEMI-VOL

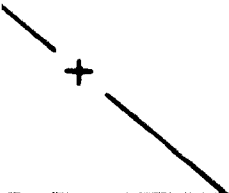
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5				PROJECT NO.
4				DESIGNED BY
3				DRAWN BY
2				CHECKED BY
1				ENGINEER
				REGISTRATION NO.
				DATE

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	DESIGNED BY			
	DRAWN BY			
	CHECKED BY			
	ENGINEER			
	REGISTRATION NO.			
DATE				

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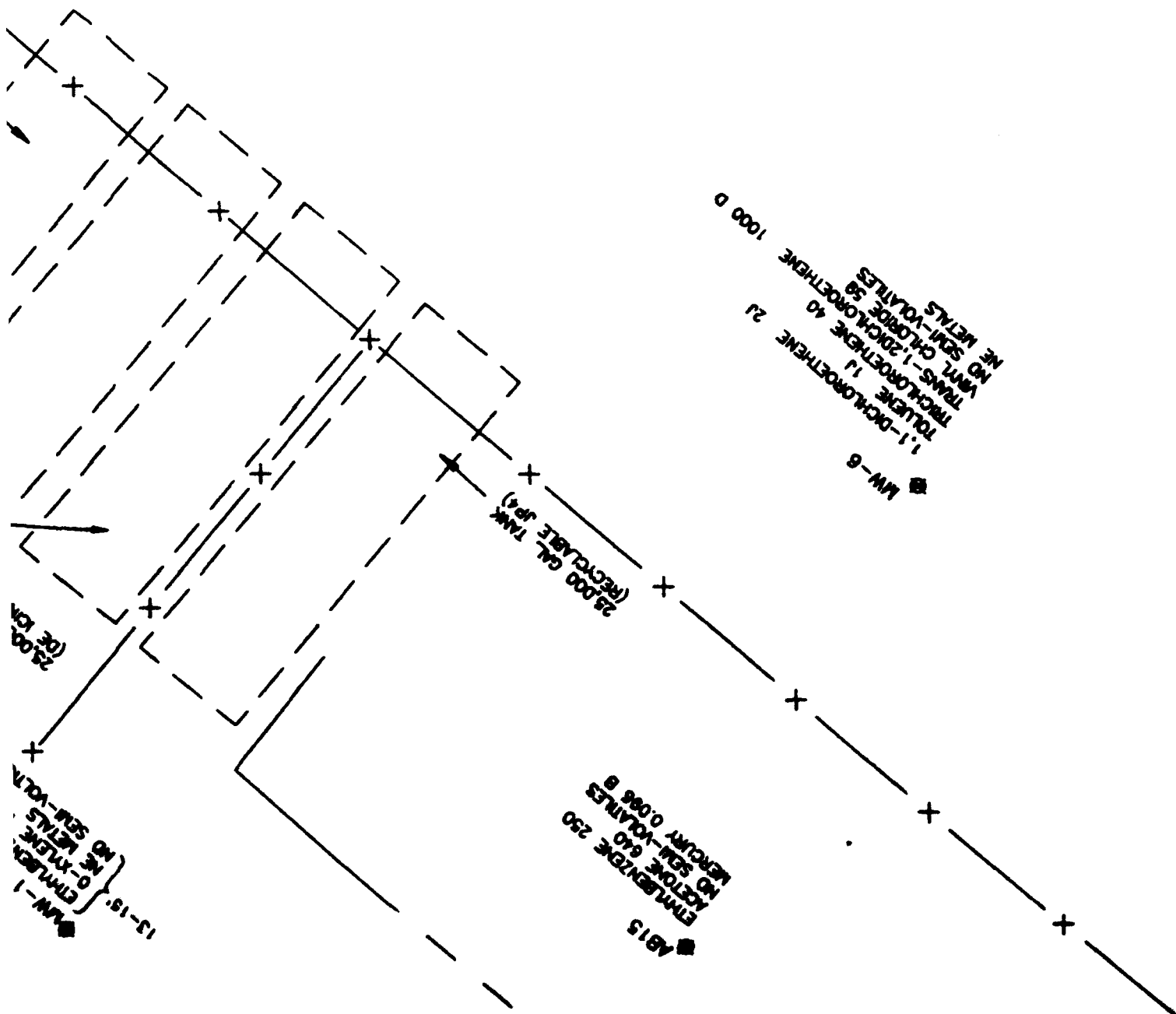


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HAZARDOUS WASTE STORAGE AREA

RICKENBACKER ANG, OHIO

12

MW-8
BENZENE 21
NEO SEAL-VOLATILES
NE METALS

MW-7
TOLUENE 4
BENZENE 140
LEAD 25.2 NSI
25,000 GAL. TANK
(RECYCLABLE OIL)

25,000 GAL. TANK
(ENGINE FLUID)

MW-1
BENZENE 1700
NEO 1600
VOLATILES

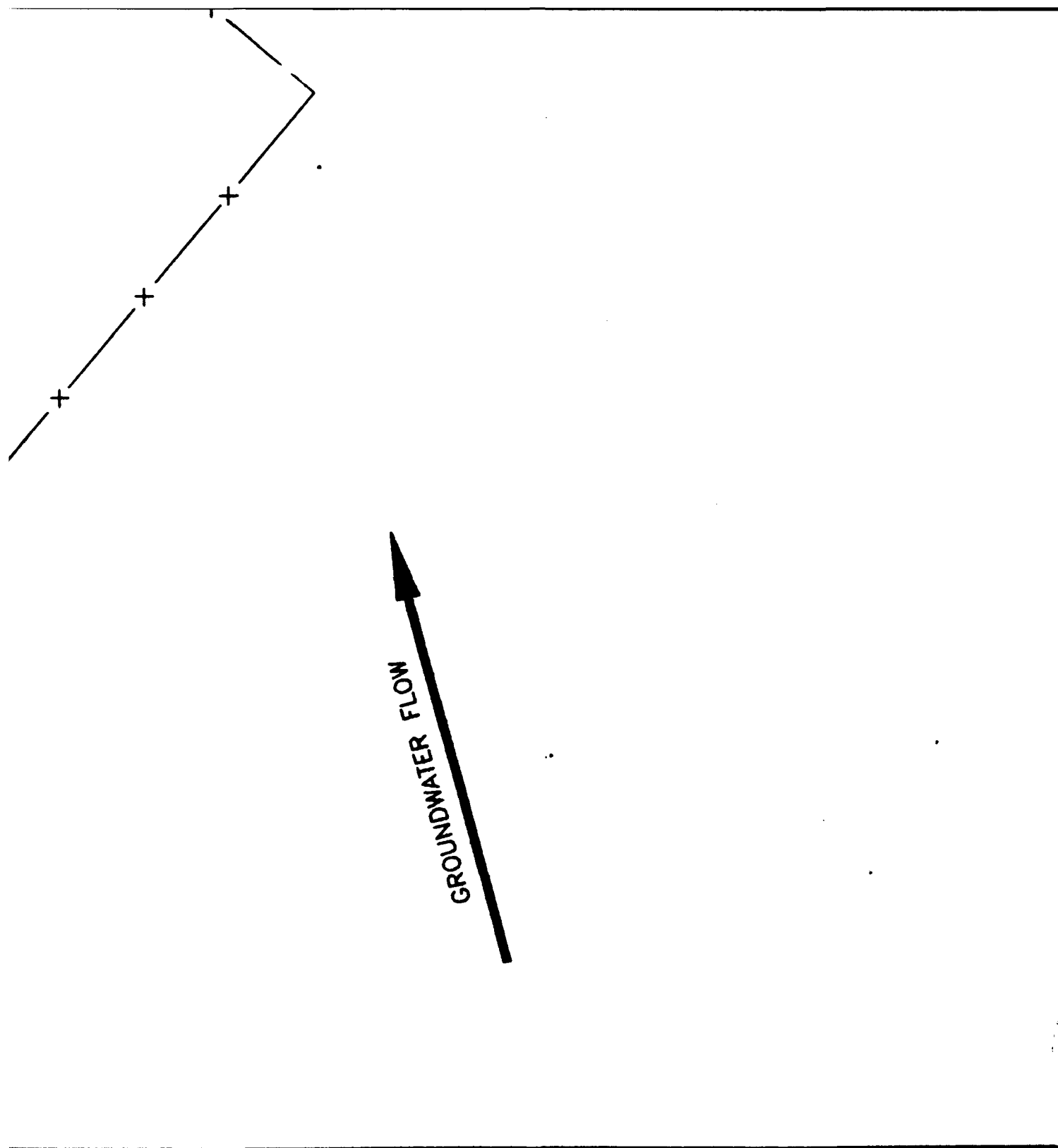
ABANDONED
VALVES

ABANDONED
PT.

ABANDONED
PT.

ANALYTICAL RESULTS		A
METALS, VOLATILE ORGANICS AND SEM-VOLATILE ORGANICS SOIL SAMPLES 13' - 15'		
FILE NO.	4	
SHEET NO.		
SCALE AS SHOWN		

13



BUILDING FOUNDATION

+

+

ABANDONED PIT

3

ABANDONED 3 USTS
25,000 GAL

LEGEND:

—X— FENCE

◆ AB1/HB1 SOIL BORING

◆ MW1 MONITORING WELL

▲ SU1 SURFACE SOIL SAMPLE

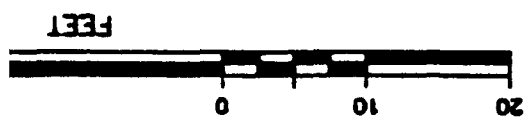
NO NOT DETECTED

NE DOES NOT EXCEED ESTABLISHED

SEE TEXT FOR EXPLANATION OF MAPPING CRITERIA

METALS IN mg/kg

VOLATILE AND SEMI-VOLATILE ORGANICS IN mg/kg



4

VOLATILE AND SEMI-VOLATILE ORGANICS IN $\mu\text{g}/\text{kg}$

METALS IN mg/kg

SEE TEXT FOR EXPLANATION OF MAPPING CRITERIA

NE DOES NOT EXCEED ESTABLISHED CRITERIA

ND NOT DETECTED

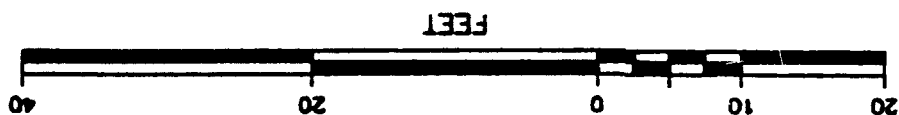
▲ SU1 SURFACE SOIL SAMPLE

◆ MW1 MONITORING WELL

◆ AB1/HB1 SOIL BORING

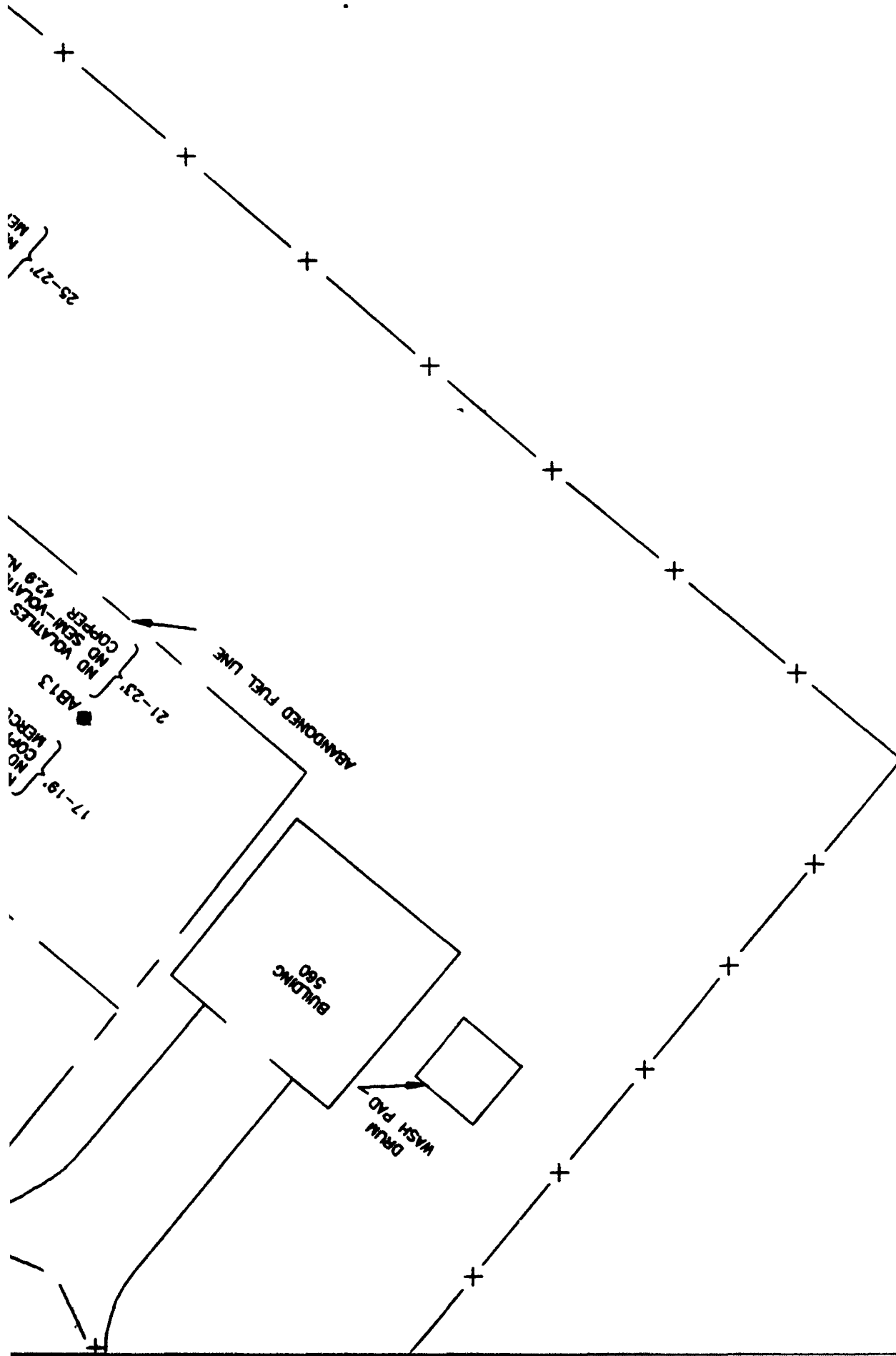
—X— FENCE

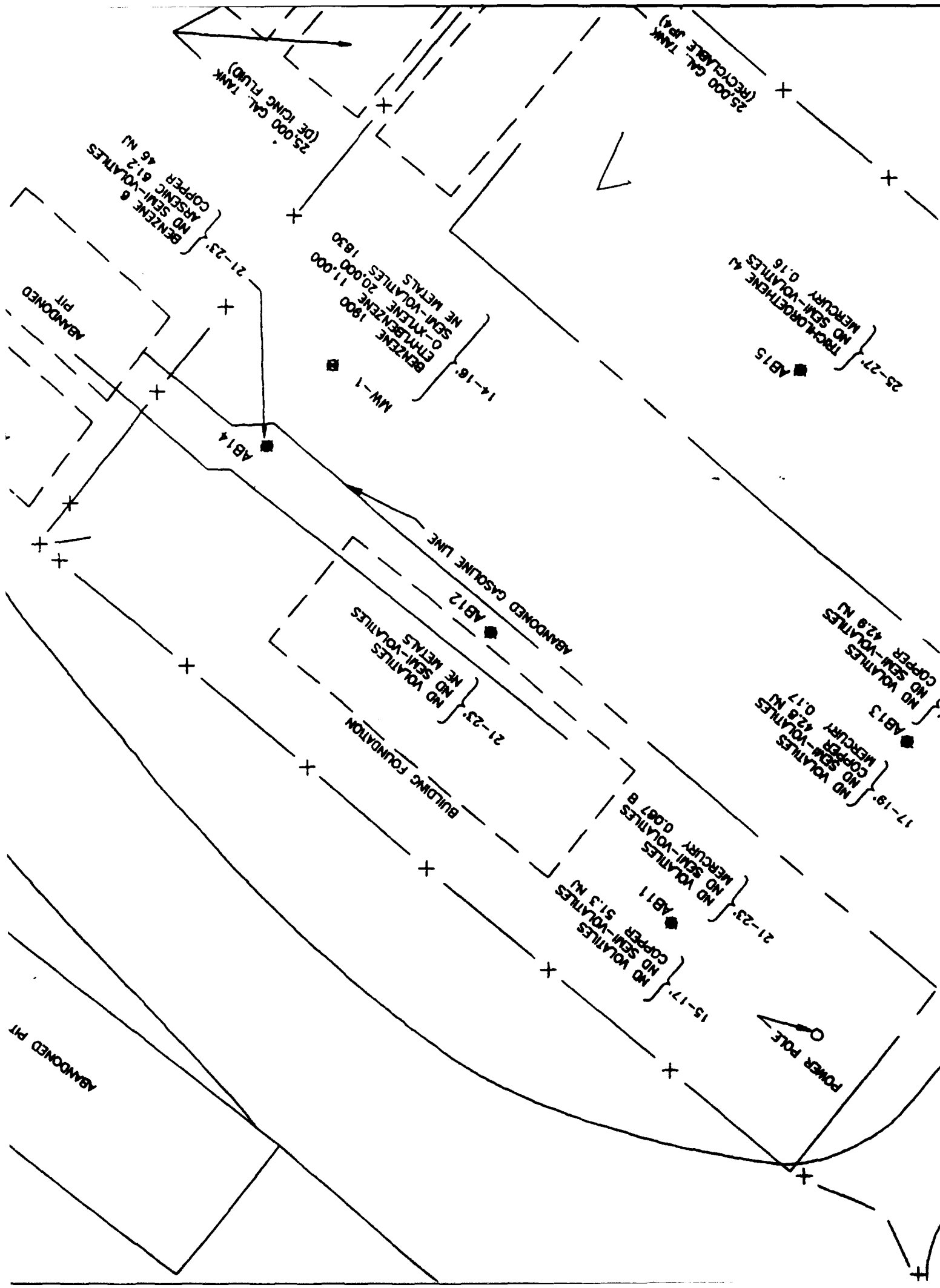
LEGEND:



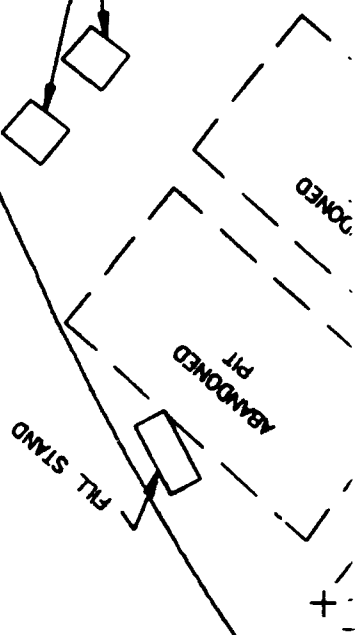
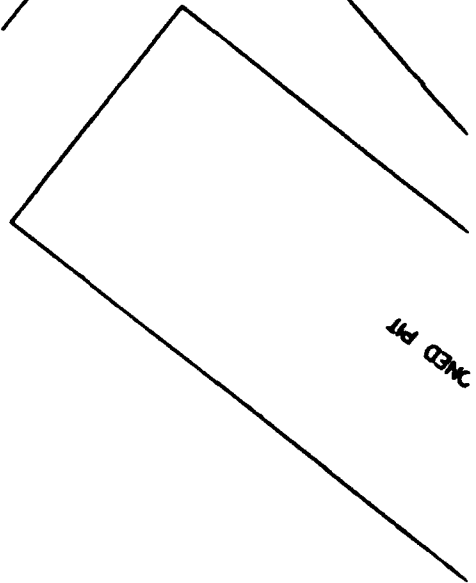
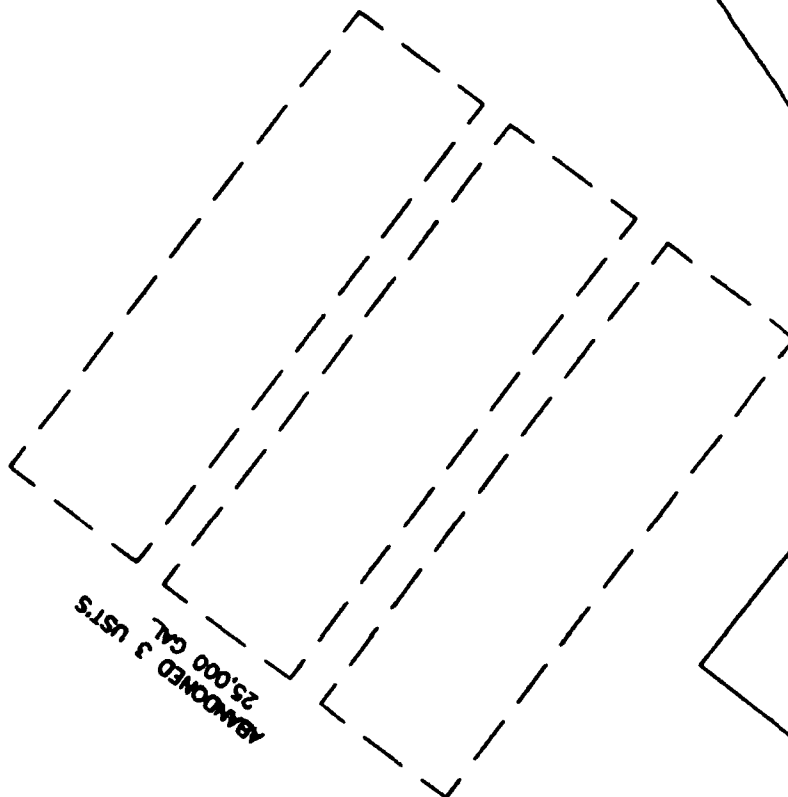
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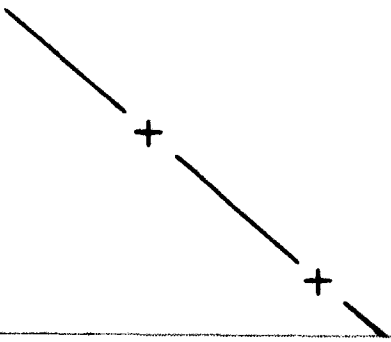
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6

ENGINE DESIGN • 18101 VILLAVIEW ROAD • S 01	PROJECT NO.	
	DESIGNED BY	
	DRAWN BY	
	CHECKED BY	
	ENGINEER	
	REGISTRATION NO. _____ DATE _____	

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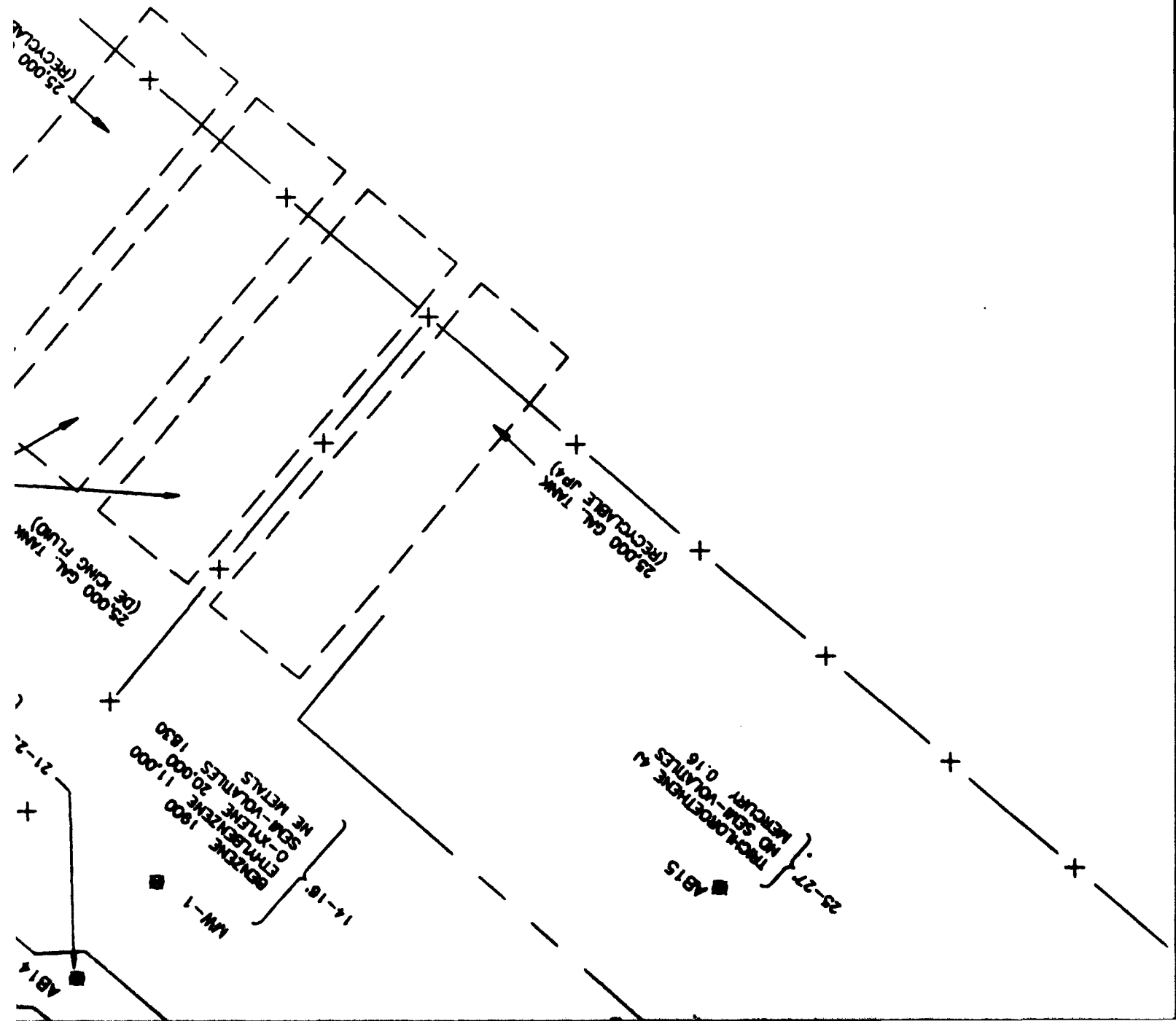


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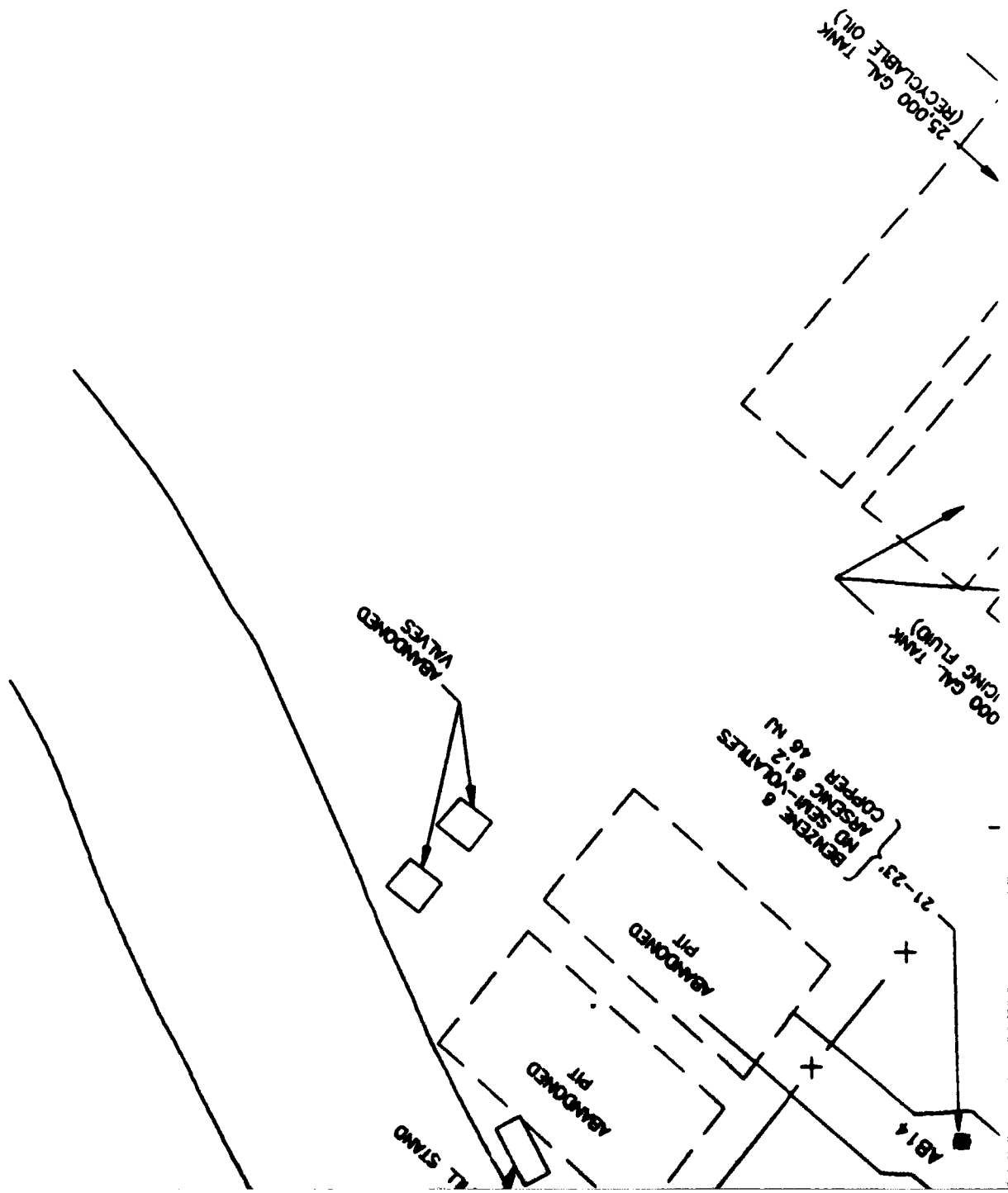
11



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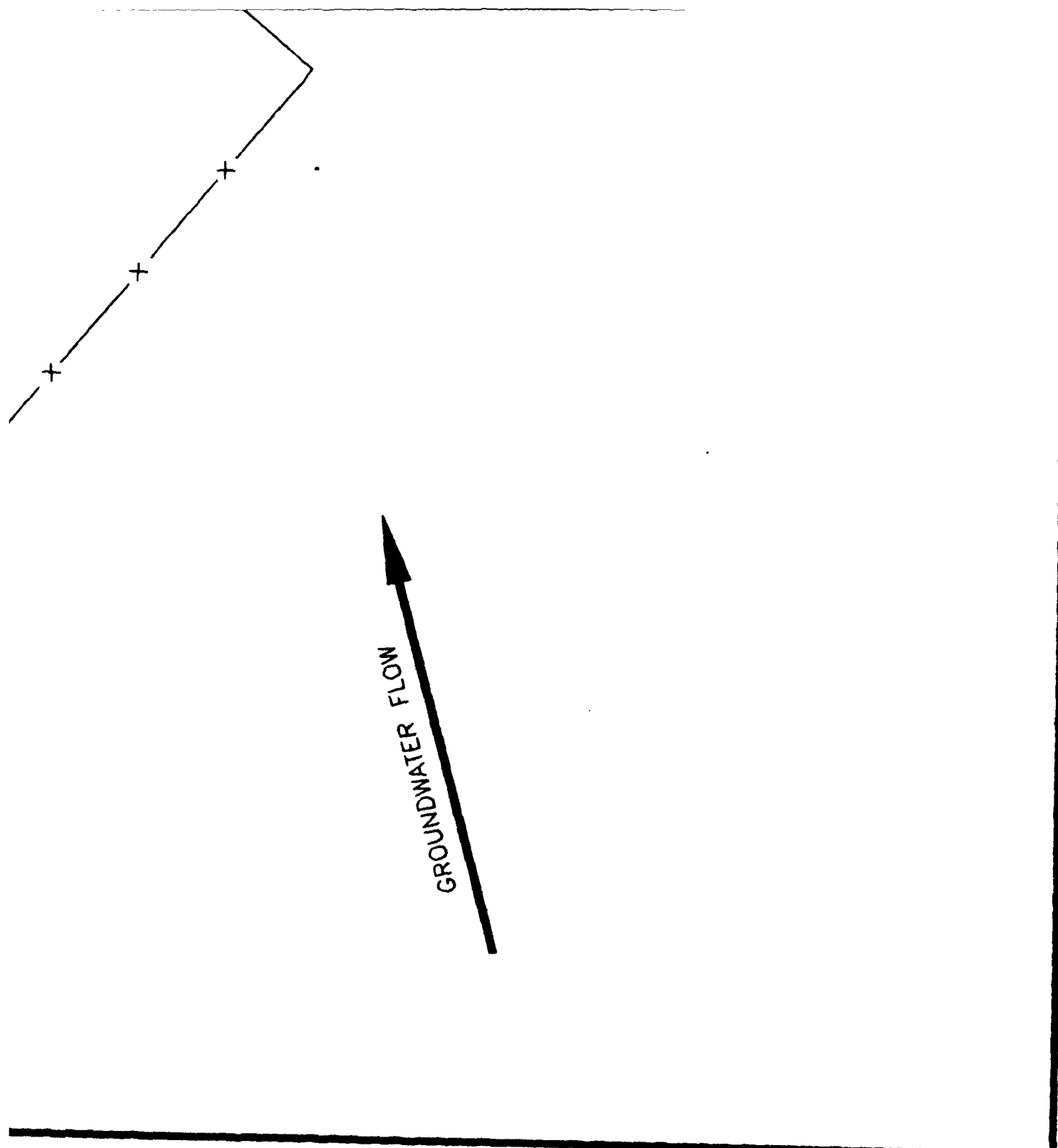
HAZARDOUS WASTE STORAGE AREA
RICKENBACKER ANGB, OHIO

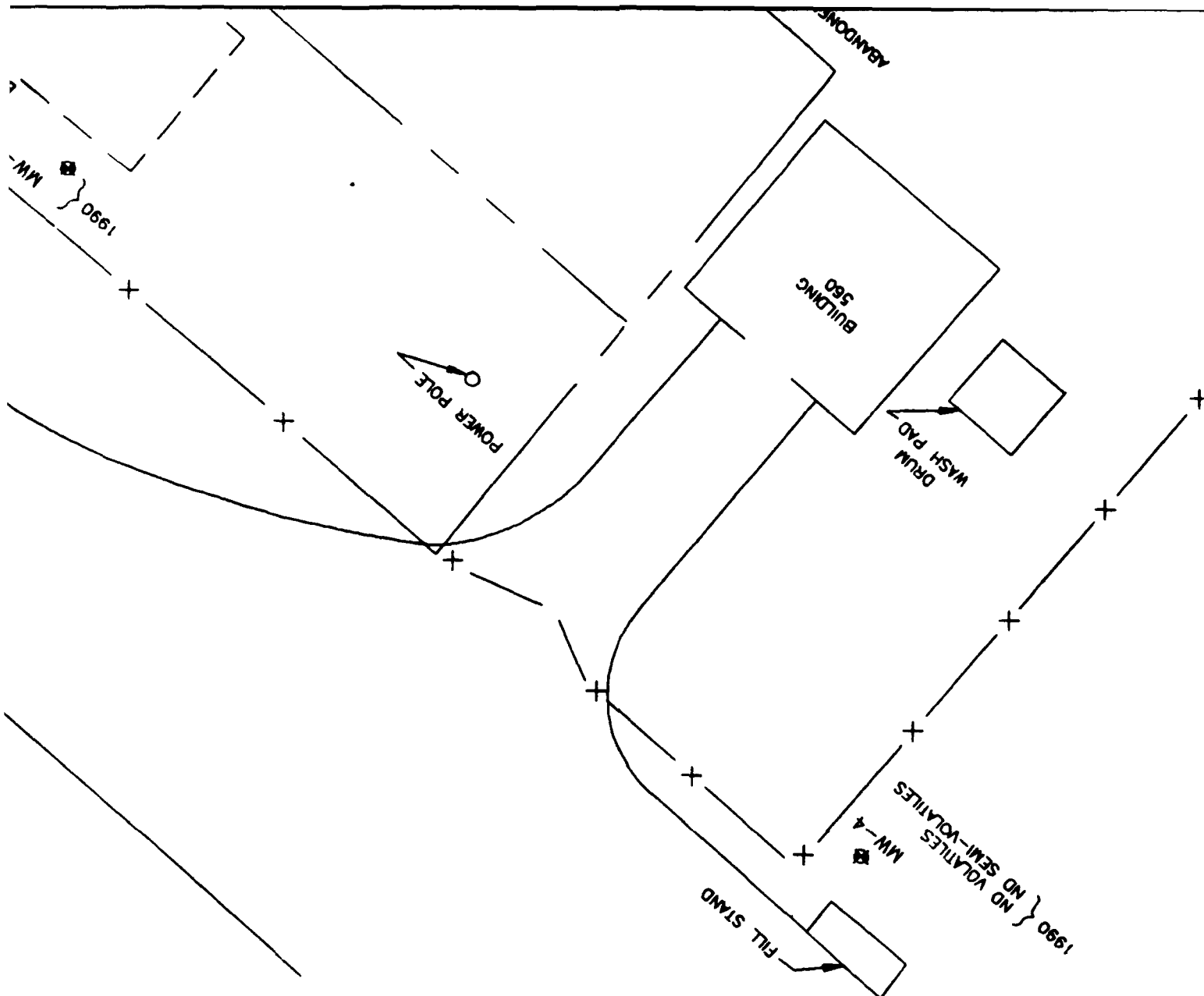
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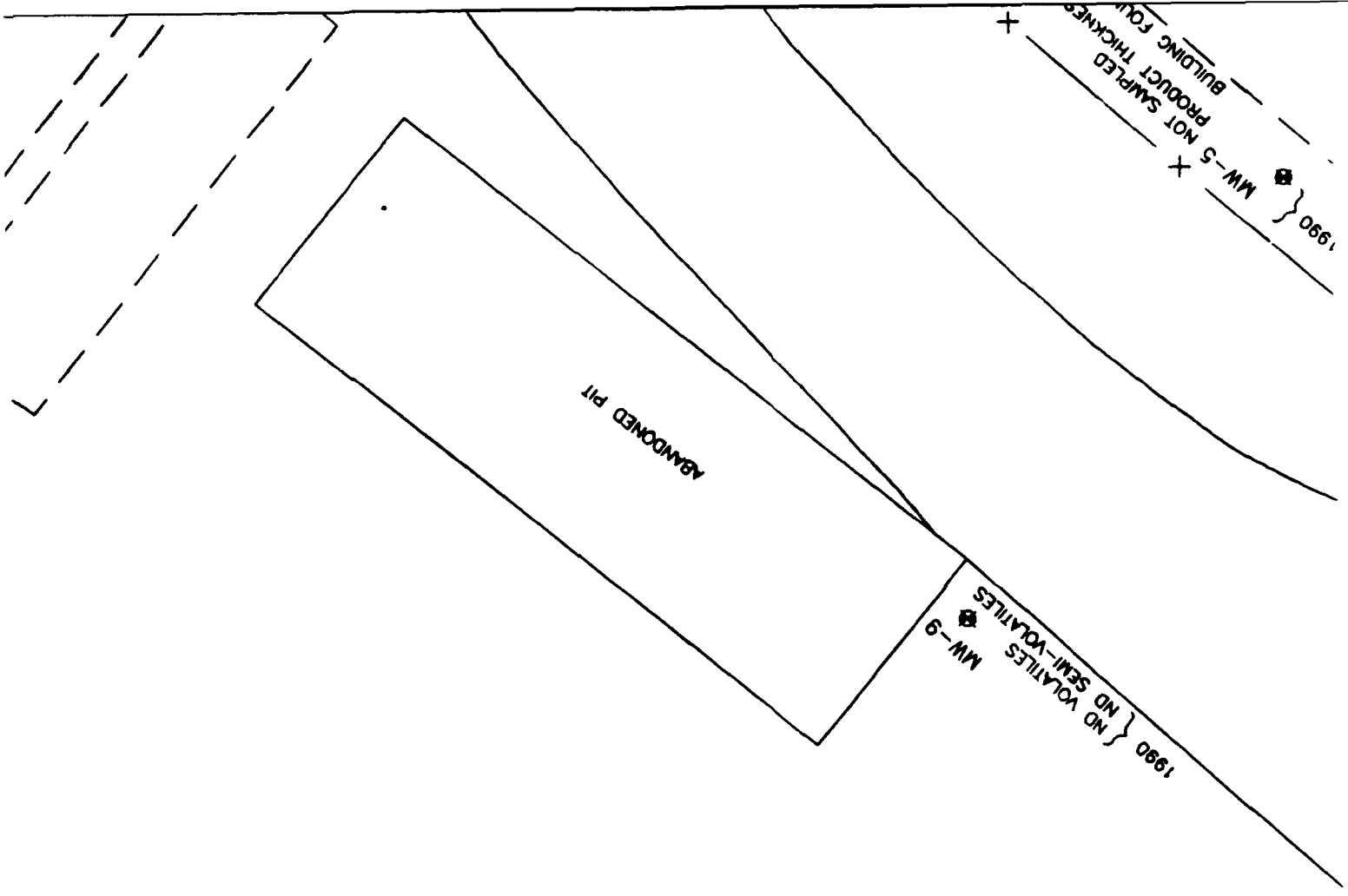


A	ANALYTICAL RESULTS		FILE NO.
	METALS, VOLATILE ORGANICS AND SEMI-VOLATILE ORGANICS SOIL SAMPLES , 15'		5
			SHEET NO.
		SCALE	AS SHOWN

13







3

ABANDONED 3 UST'S
25,000 GAL.

LEGEND:
 —X— FENCE
 ◆ AB1 SOIL
 ◆ MW1 MONIT
 ▲ SURFA
 ND NOT I
 SEE TEXT FOR E
 VOLATILE AND SE



11

VOLATILE AND SEMI-VOLATILE ORGANICS IN $\mu\text{g/L}$
 SEE TEXT FOR EXPLANATION OF MAPPING CRITERIA
 ND NOT DETECTED

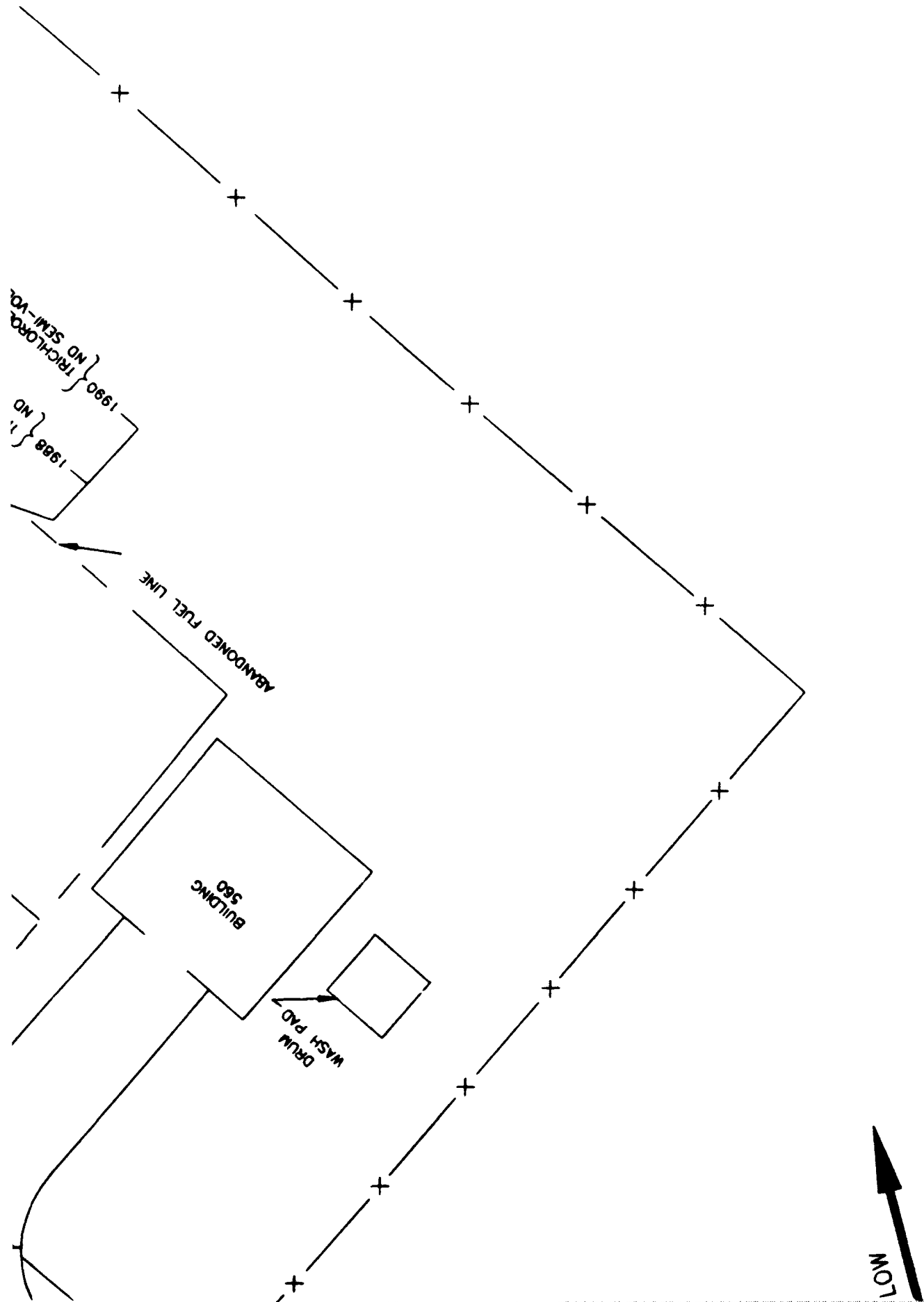
- ▲ SU1 SURFACE SOIL SAMPLE
- ◆ MW1 MONITORING WELL
- ◆ AB1 SOIL BORING
- X— FENCE

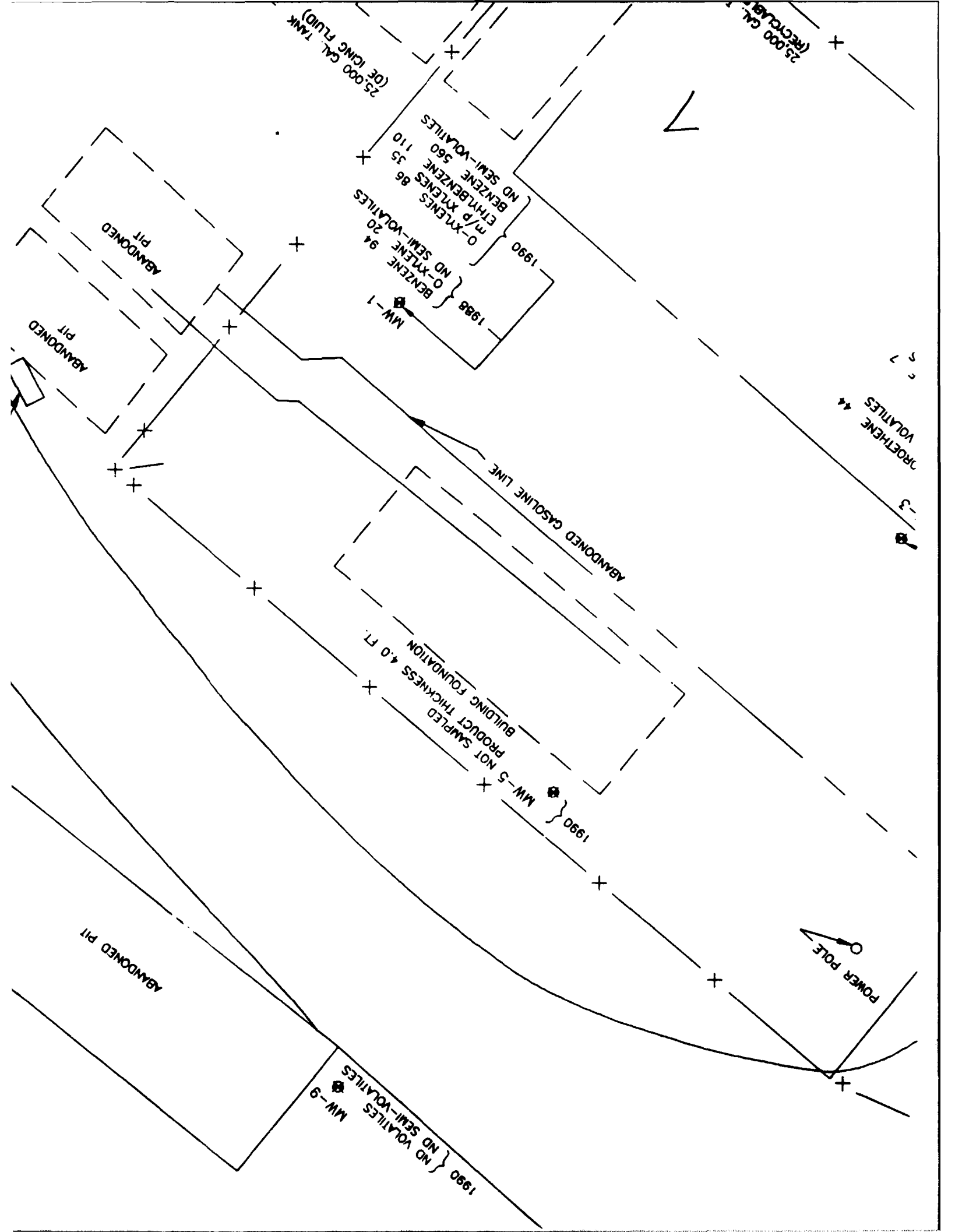
LEGEND:



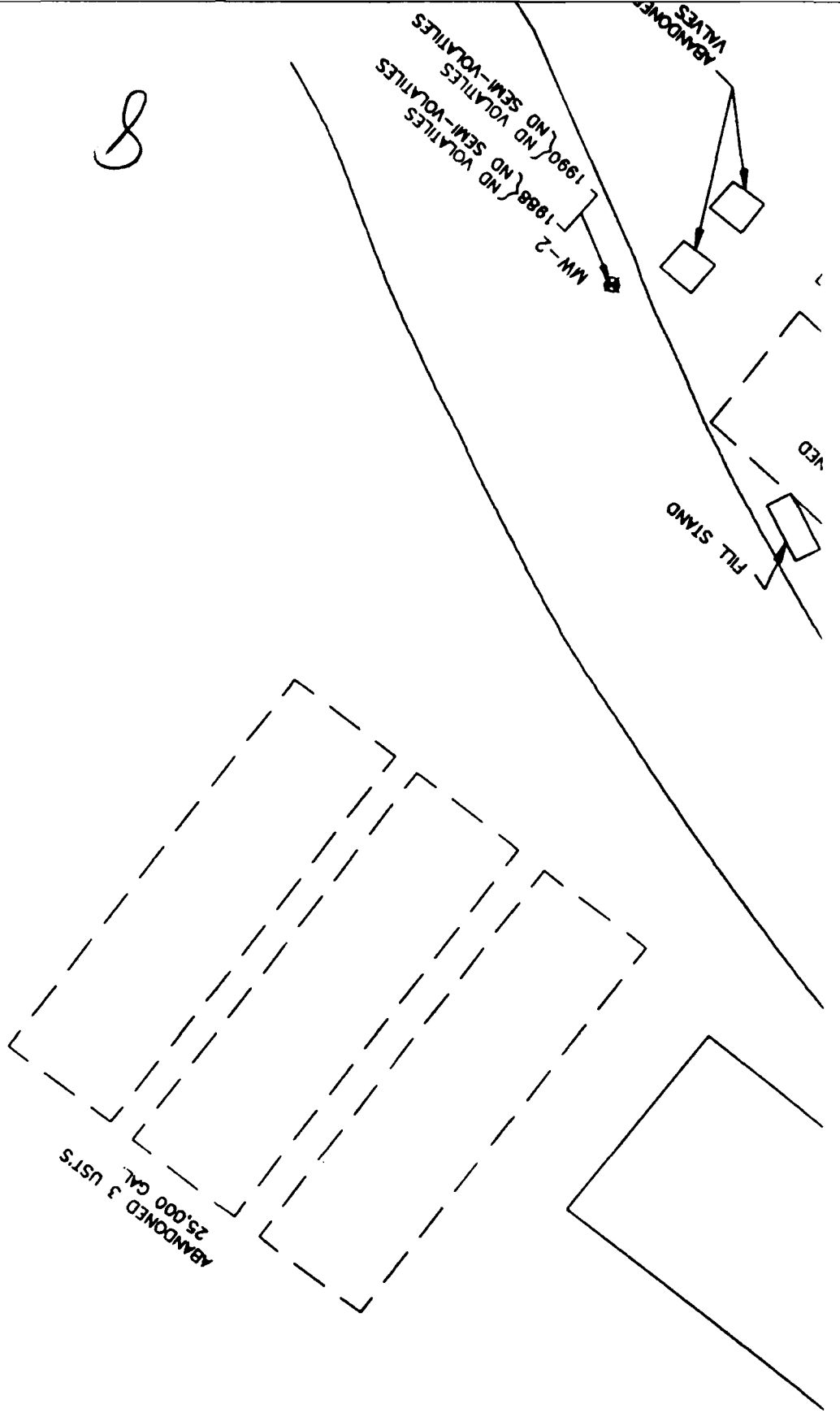
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LEGEND
 —X—
 ◆ AB1
 ◆ MW1
 ▲ SUS
 ND
 SEE TE)
 VOLATILE



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5				PROJECT NO.		DATE
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1				ENGINEER		
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						DATE

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DATE

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DESIGNED BY

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ENGINEER

REGISTRATION NO.

DATE

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MW-6
1990 { TRANS-1, 2-DIC
TRICHLOROETHENE
NO SEMI-VOLATILES

TRICHLOROETHENE
NO SEMI-VOLATILES



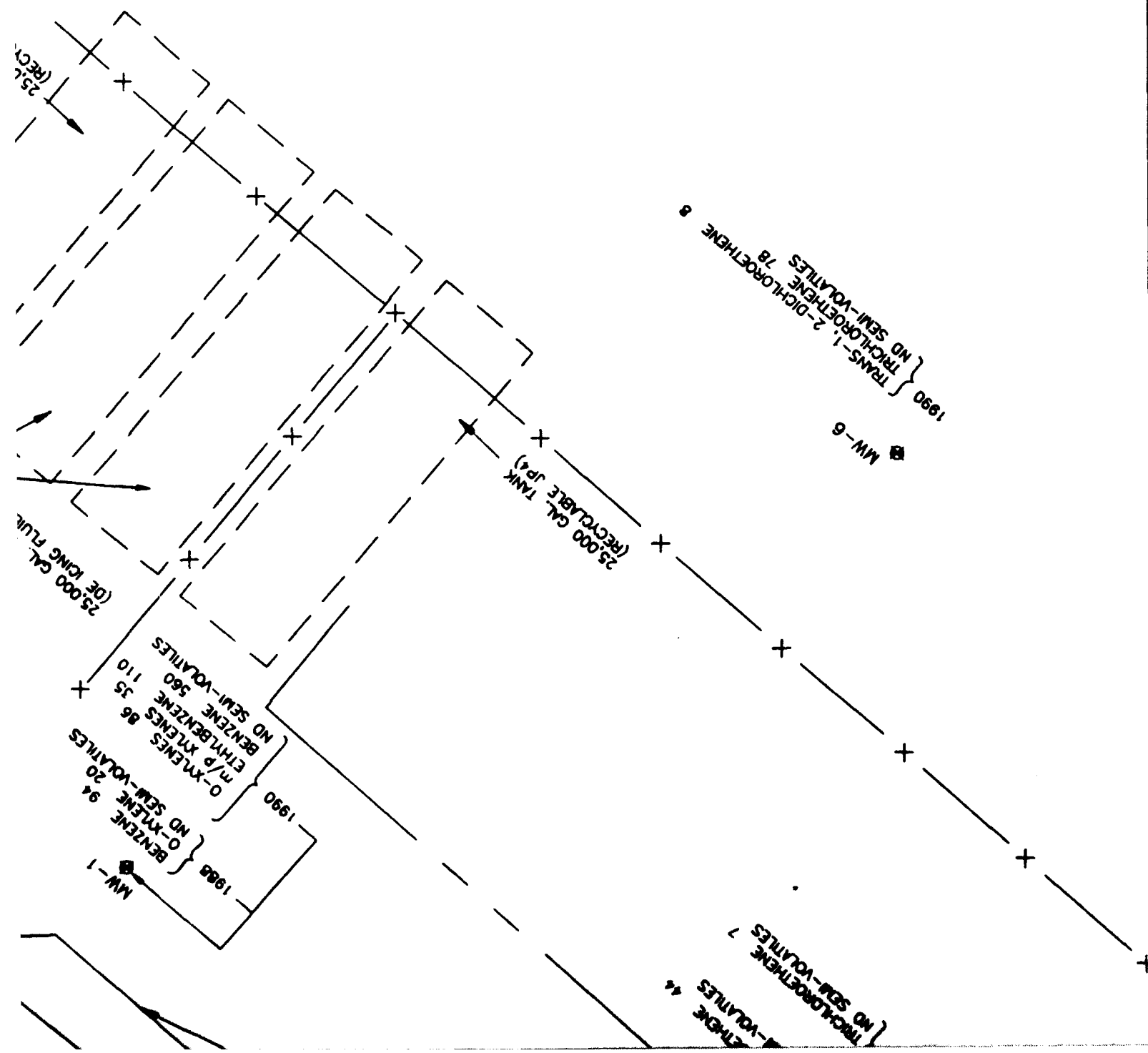
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HAZARDOUS WASTE STORAGE AREA

RICKENBACKER ANGB, OHIO

12

MW-8 { NO VOLATILES
1990 2-METHYLNAPHTHALENE 5 J

MW-7 { ETHYLBENZENE 90
O-XYLENE 200
NO SEMI-VOLATILES 21 J
25,000 GAL. TANK (RECYCLABLE OIL)

MW-2 { NO VOLATILES
1988 { NO SEMI-VOLATILES
1990 { NO VOLATILES

ABANDONED VALVES

ABANDONED PT.

ABANDONED PT.

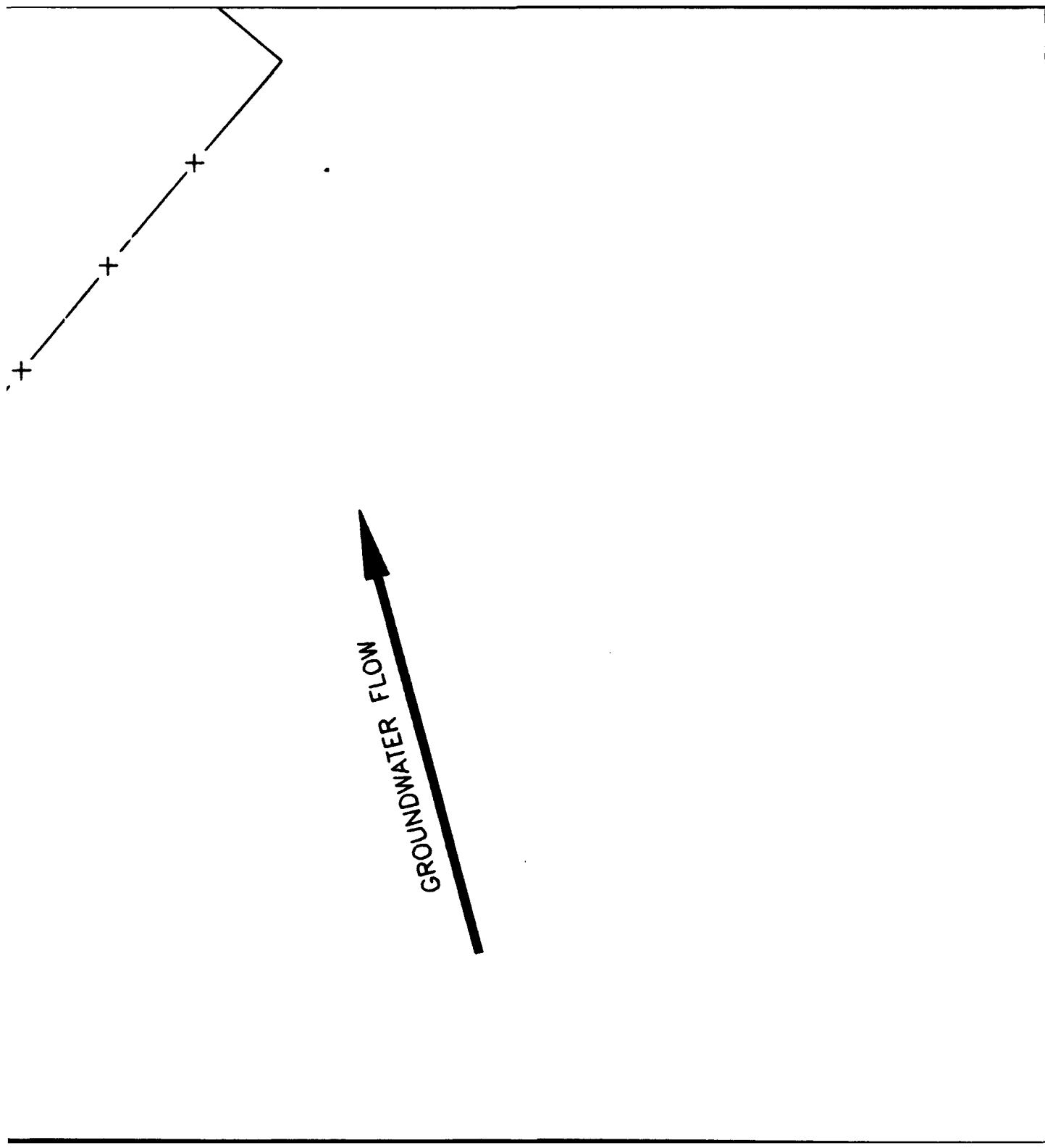
FTL STAND

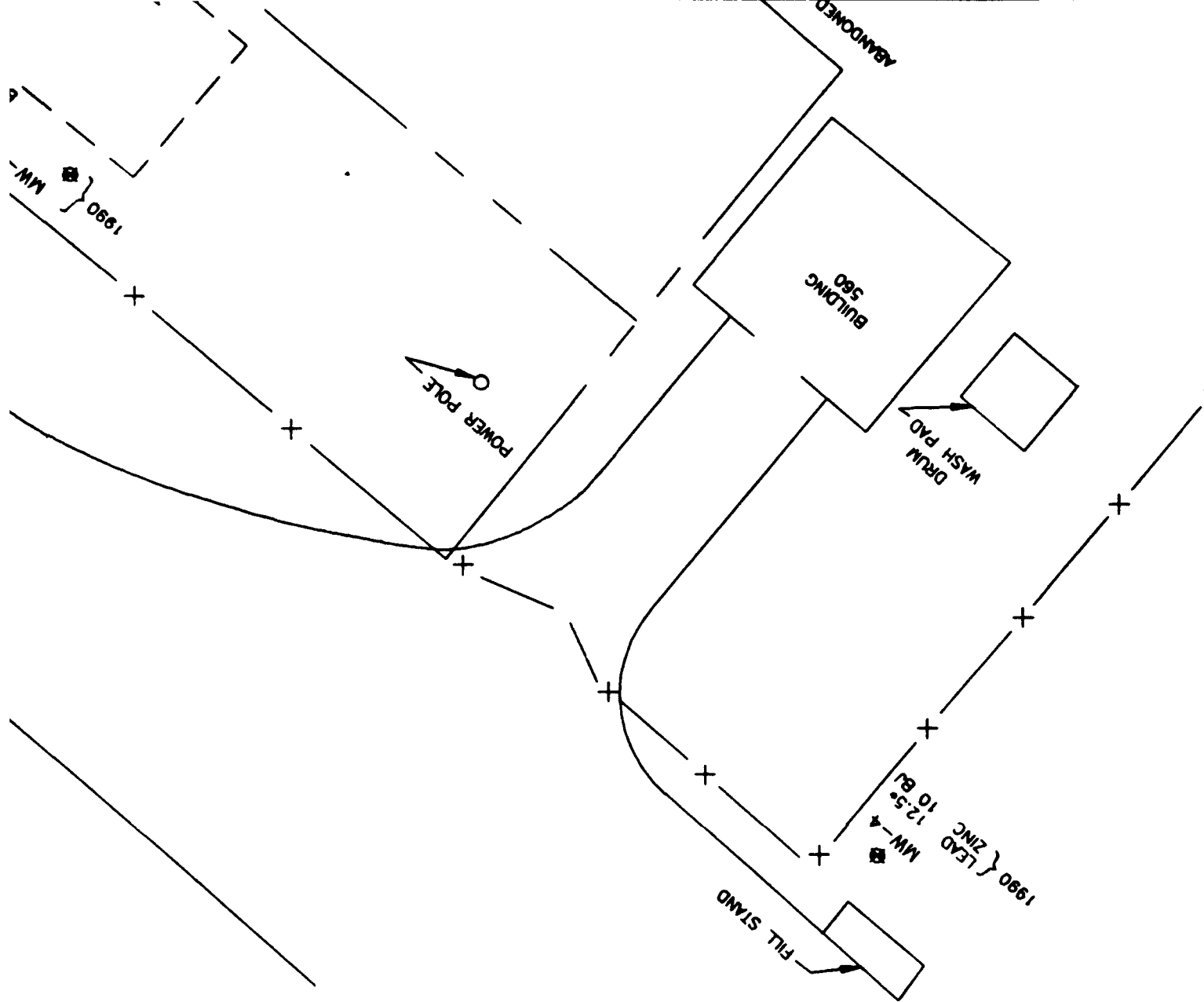
25,000 GAL. TANK (ICEING FLUID)

94
20
TILES

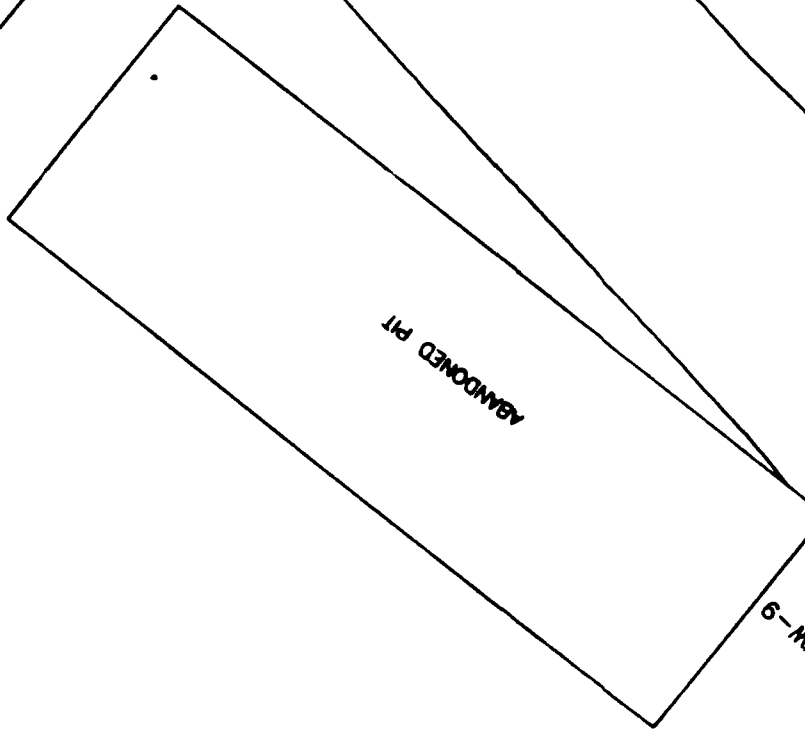
A	ANALYTICAL RESULTS	
	VOLATILE ORGANICS AND SEMI-VOLATILE ORGANICS GROUNDWATER	
	FILE NO.	6
SCALE		AS SHOWN
SHEET NO.		9

13

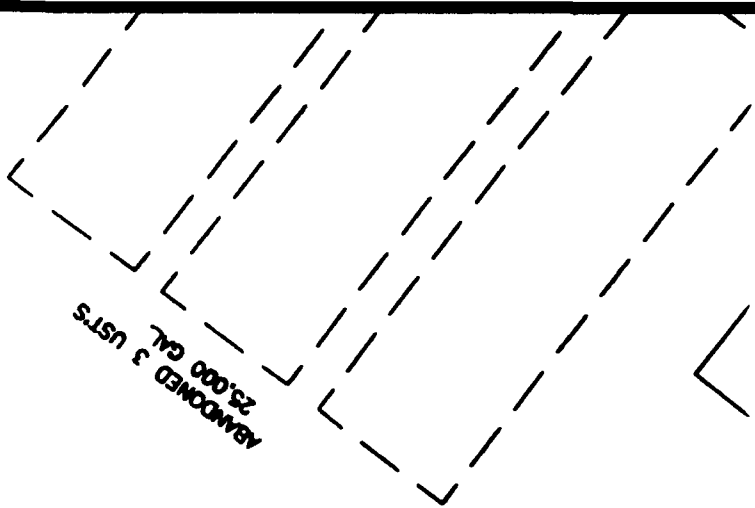




990 } MW-5
 + NOT SAMPLED
 + BUILDING FOUNDATION
 + PRODUCT THICKNESS



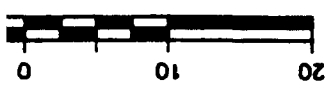
1990 {
 ARSENIC 2 B+
 LEAD 3.6 B+
 ZINC 13 B+
 MW-9



NOTE:
 1988 GROUNDWATER SAMPLES
 FOR FILTERED METALS.

SEE TEXT FOR EXPLANATION 0

- LEGEND:
- X— FENCE
 - ◆ AB1 SOIL BORING
 - ⊕ MW1 MONITORING WELL
 - ▲ SU1 SURFACE SOIL SAM
 - * MCL METALS
- METALS IN mg/L



4

1988 GROUNDWATER SAMPLES WERE NOT ANALYZED
FOR FILTERED METALS.

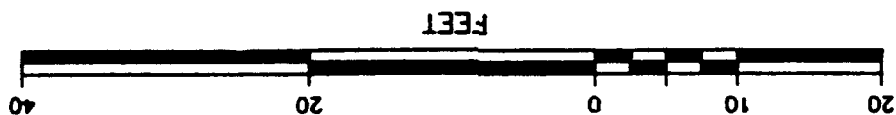
NOTE:

SEE TEXT FOR EXPLANATION OF MAPPING CRITERIA

METALS IN $\mu\text{g/L}$

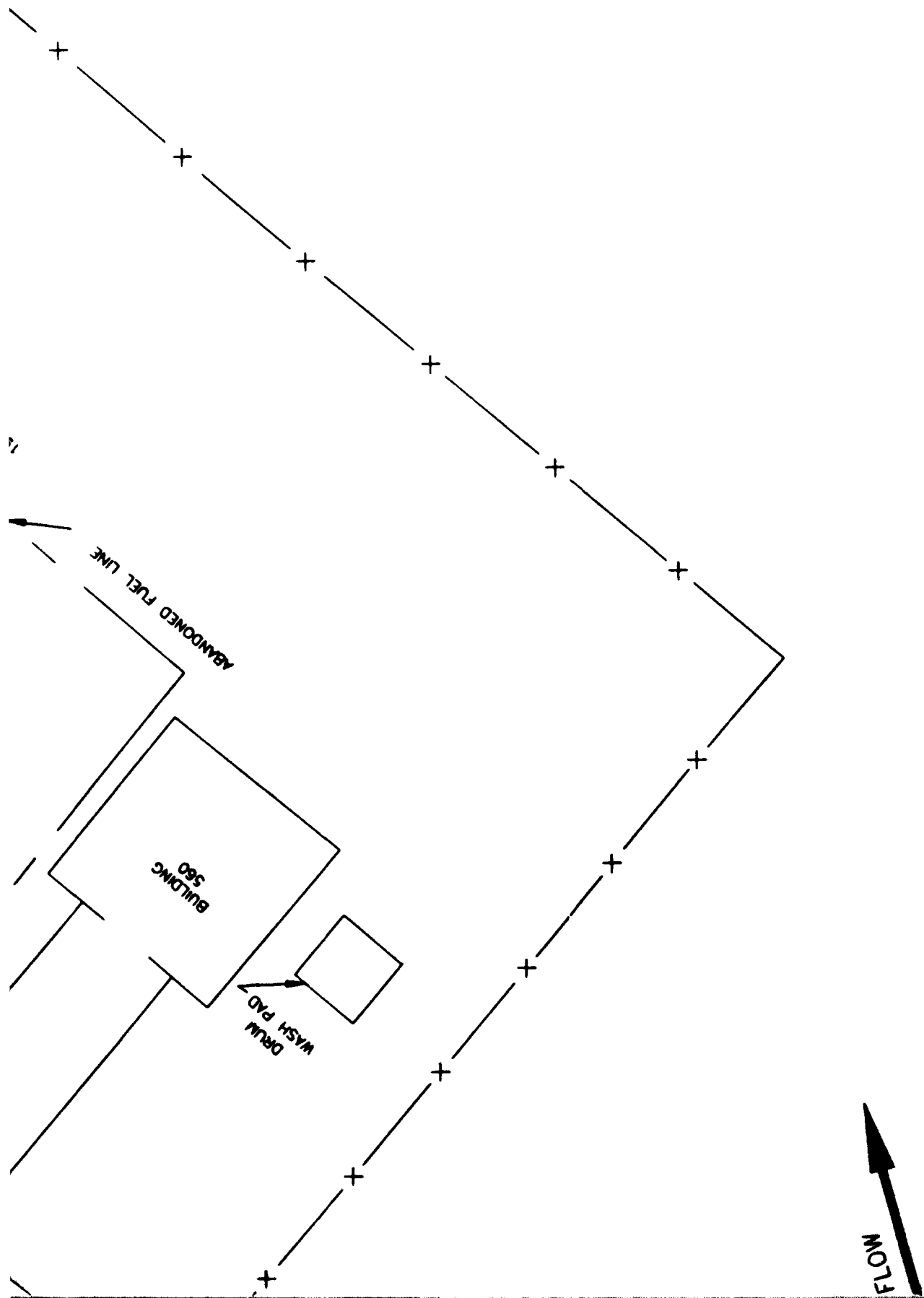
- * MCL METALS
- ▲ SU1 SURFACE SOIL SAMPLE
- ◆ MW1 MONITORING WELL
- ◆ AB1 SOIL BORING
- X— FENCE

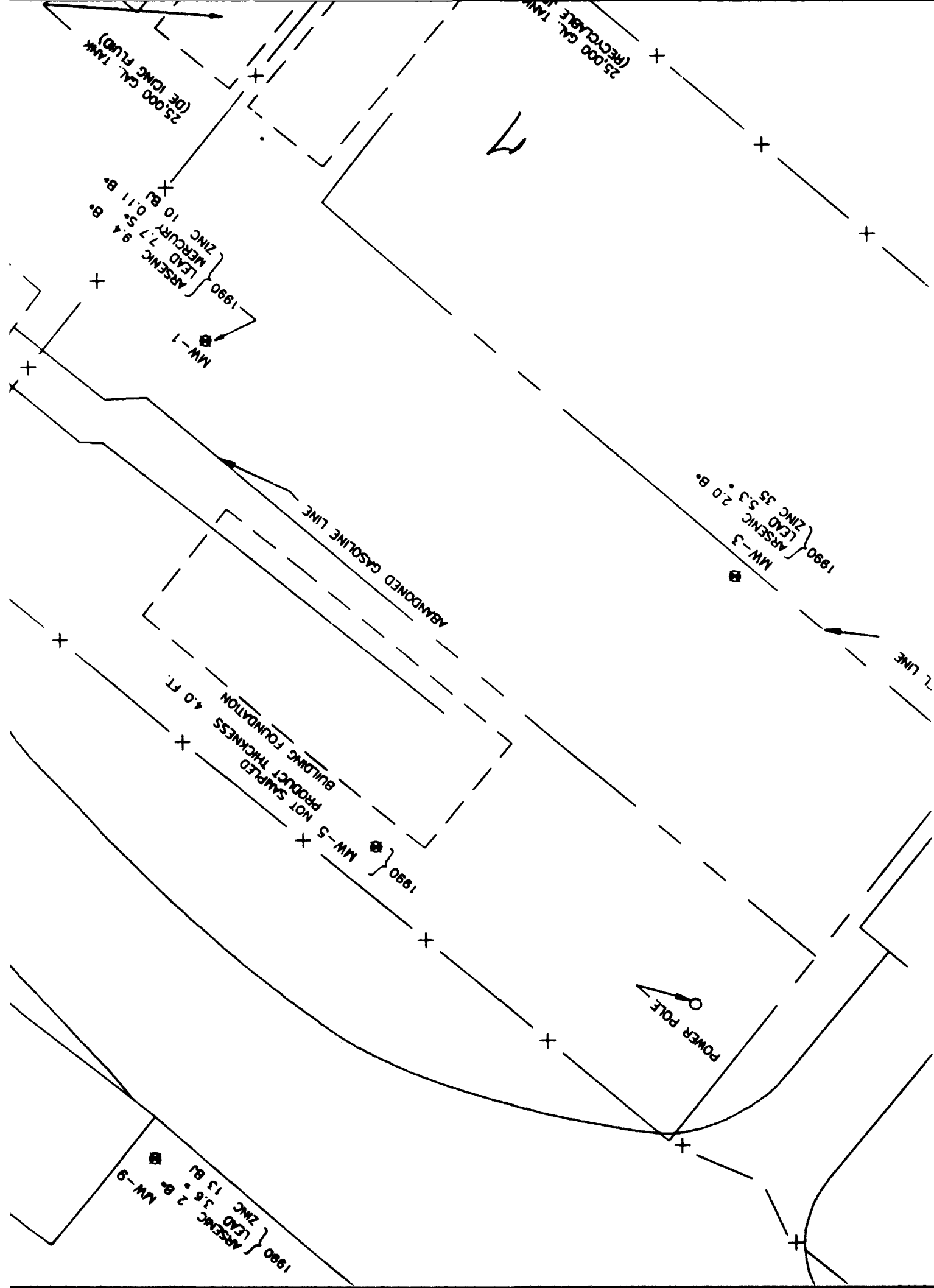
LEGEND:



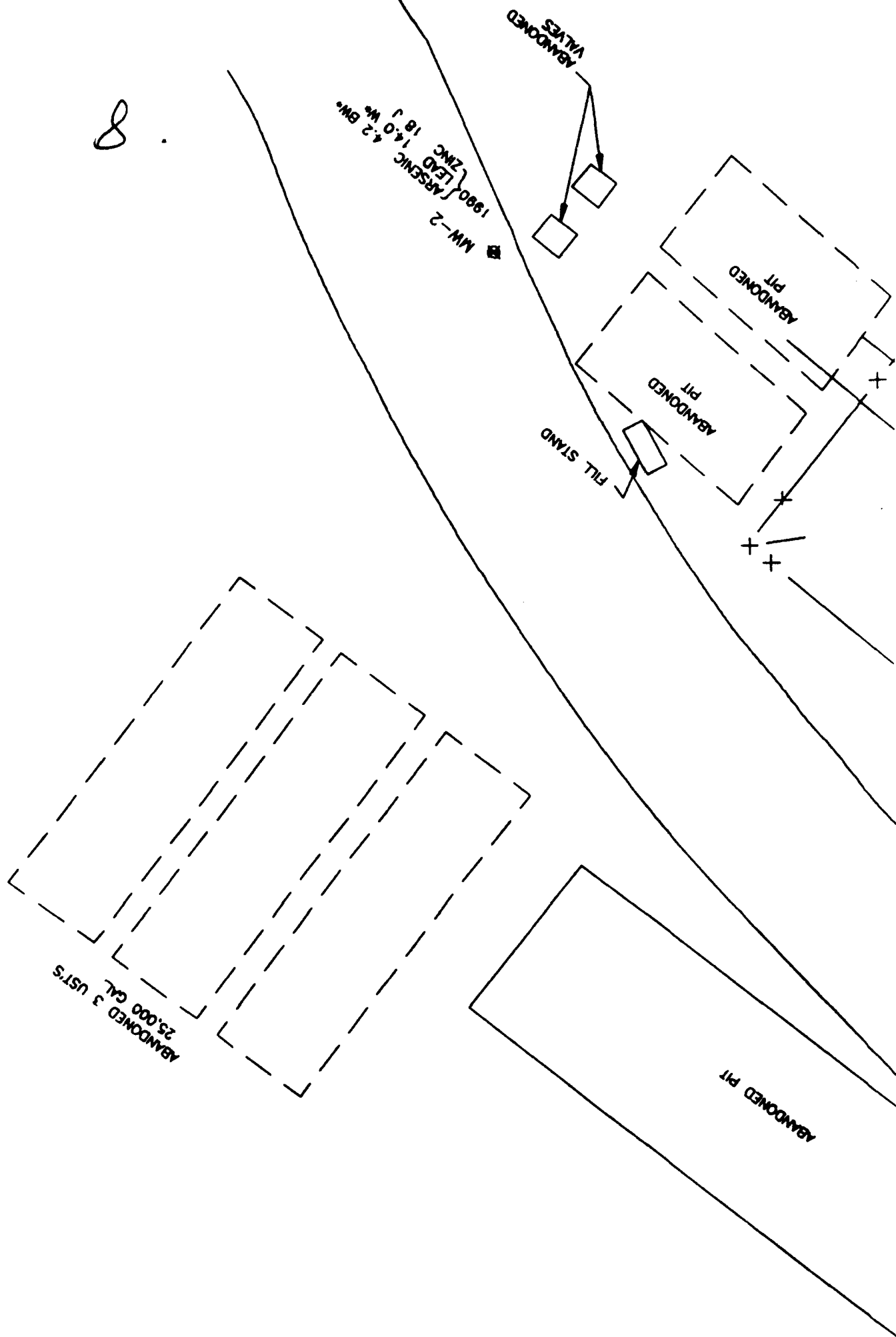
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2				CHECKED BY	
1				ENGINEER	
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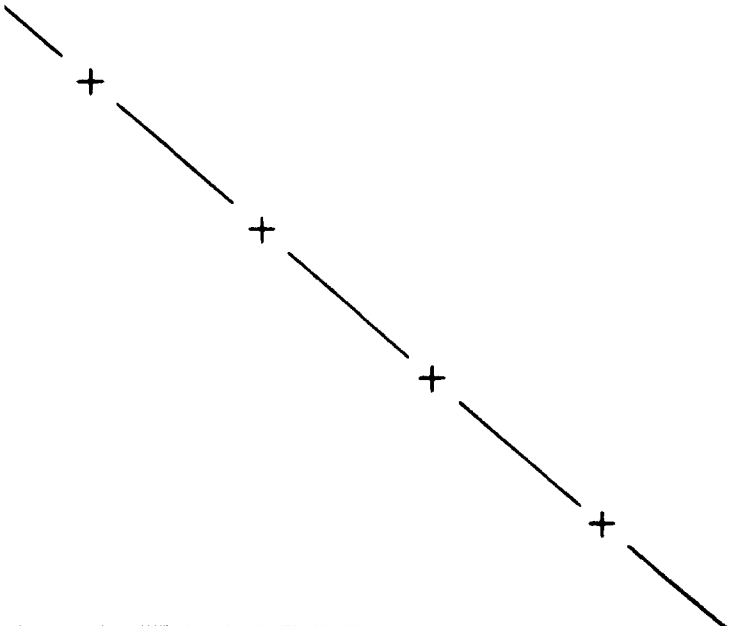
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MW-6
 1990 { LEAD 3.1%
 ZINC 5.0 BU



ES

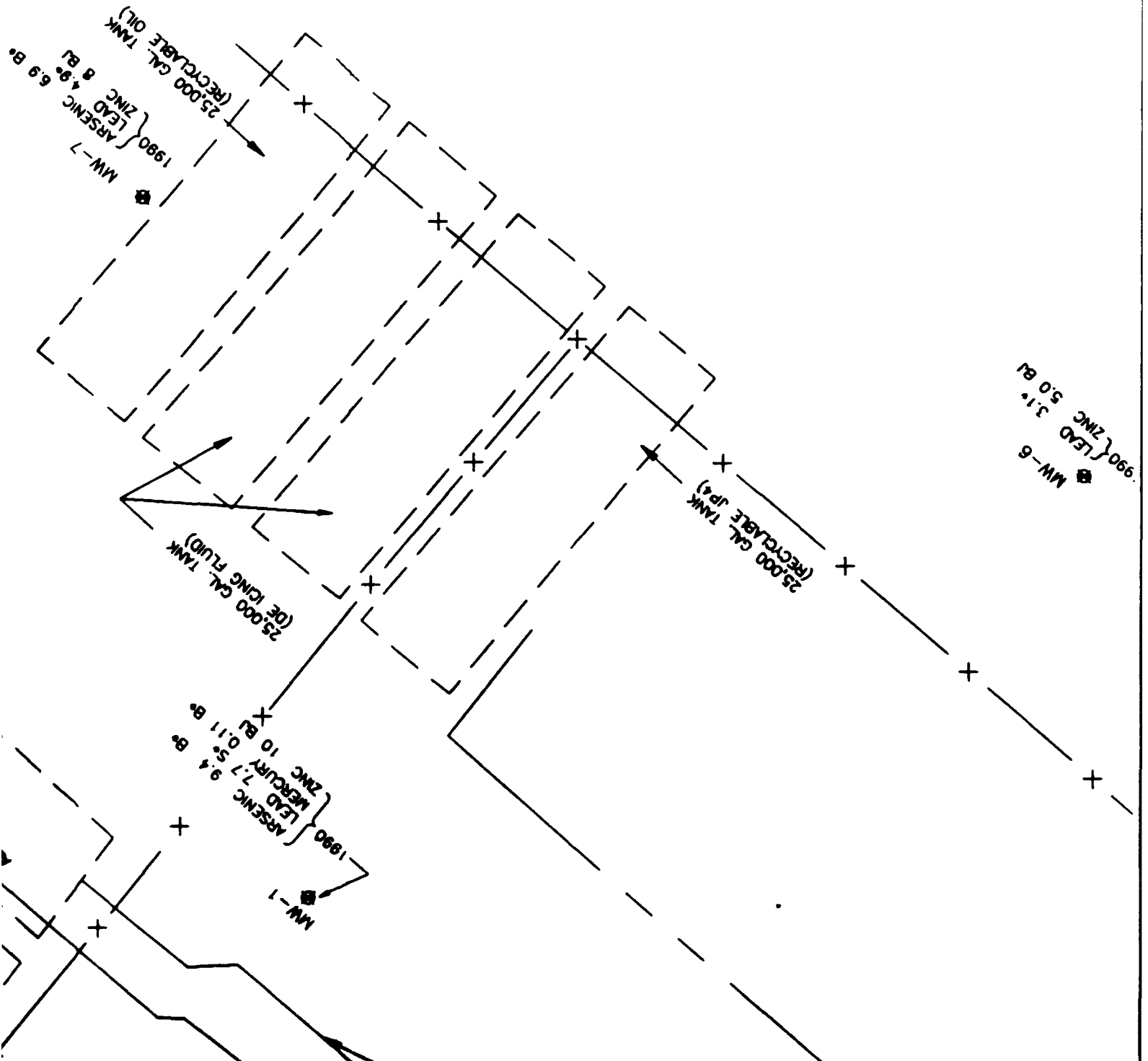
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HAZARDOUS WASTE STORAGE AREA

RICKENBACKER ANG, OHIO

12

MW-8 {
1990 { ARSENIC 6.0%
LEAD 21.0%
ZINC 21.0%
BW+
MW-8

MW-7 {
1990 { ARSENIC 6.9%
LEAD 8.9%
ZINC 8.9%
BW+
MW-7

ABANDONED
VALVES

MW-2 {
1990 { ARSENIC 4.2%
LEAD 14.0%
ZINC 18.0%
BW+
MW-2

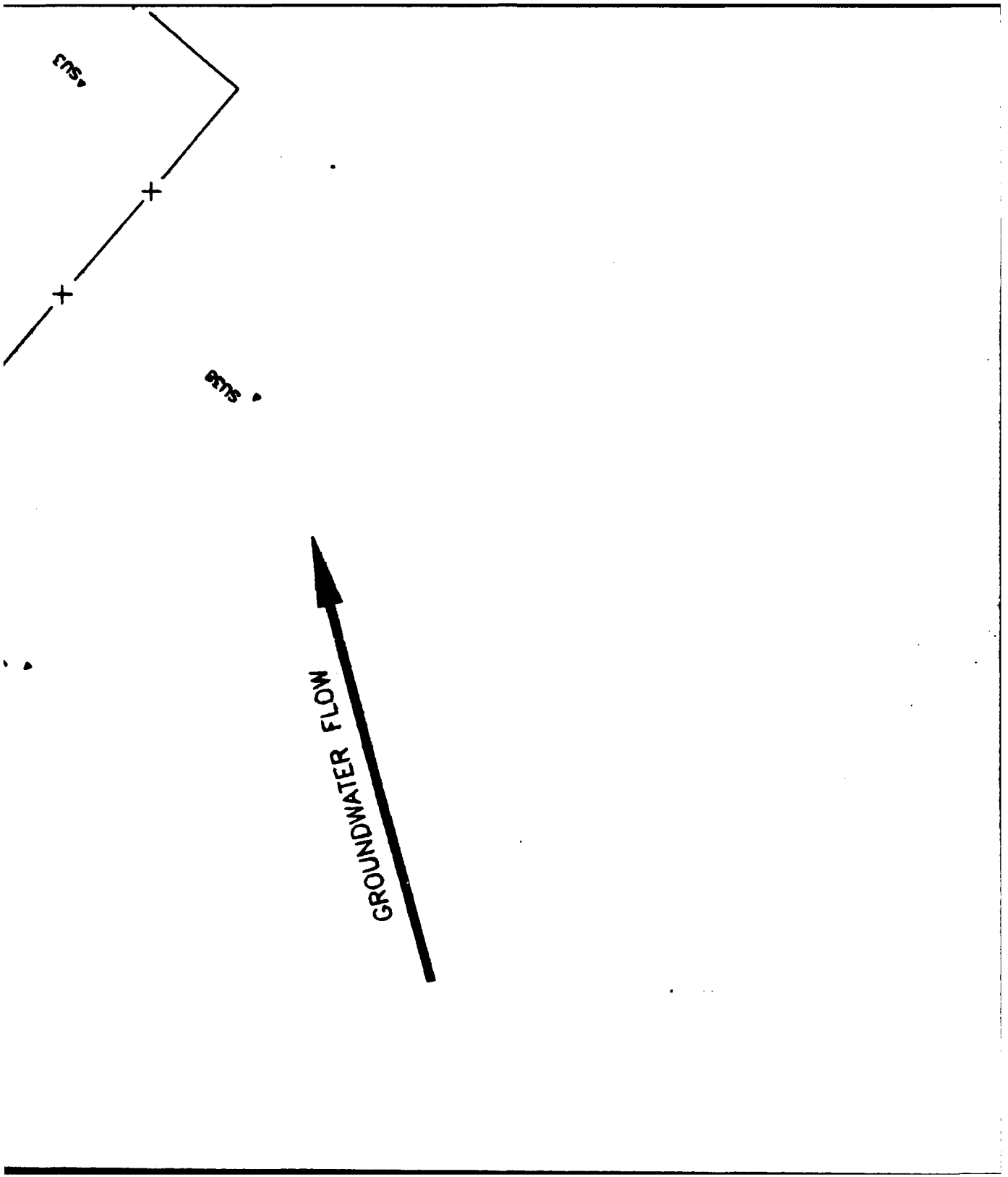
FTL STAND

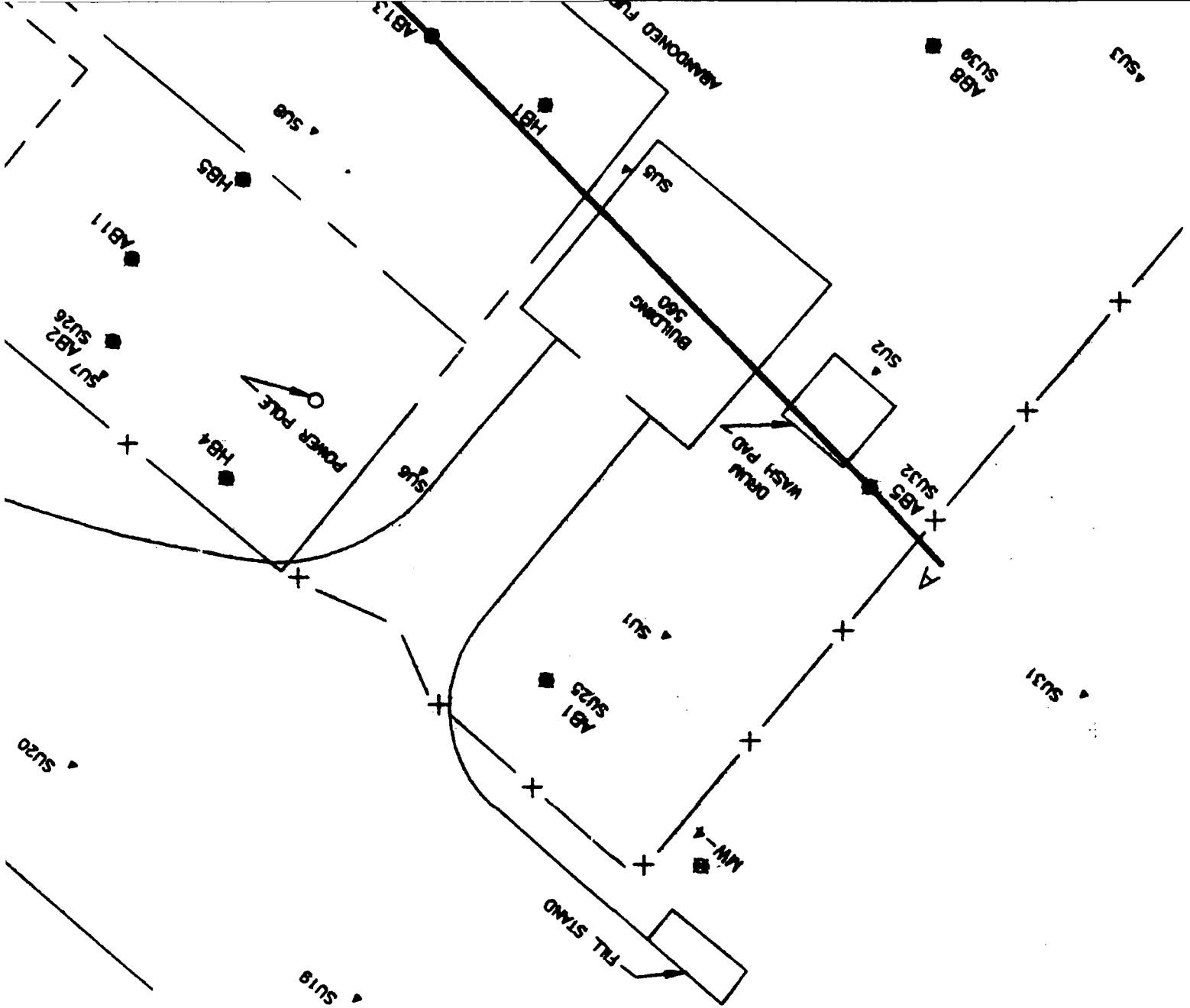
ABANDONED
PT.

ABANDONED
PT.

ANALYTICAL RESULTS		7EA
FILTERED METAL ANALYSIS GROUNDWATER SAMPLES		
SCALE	AS SHOWN	
SHEET NO.	7	
FILE NO.		

13

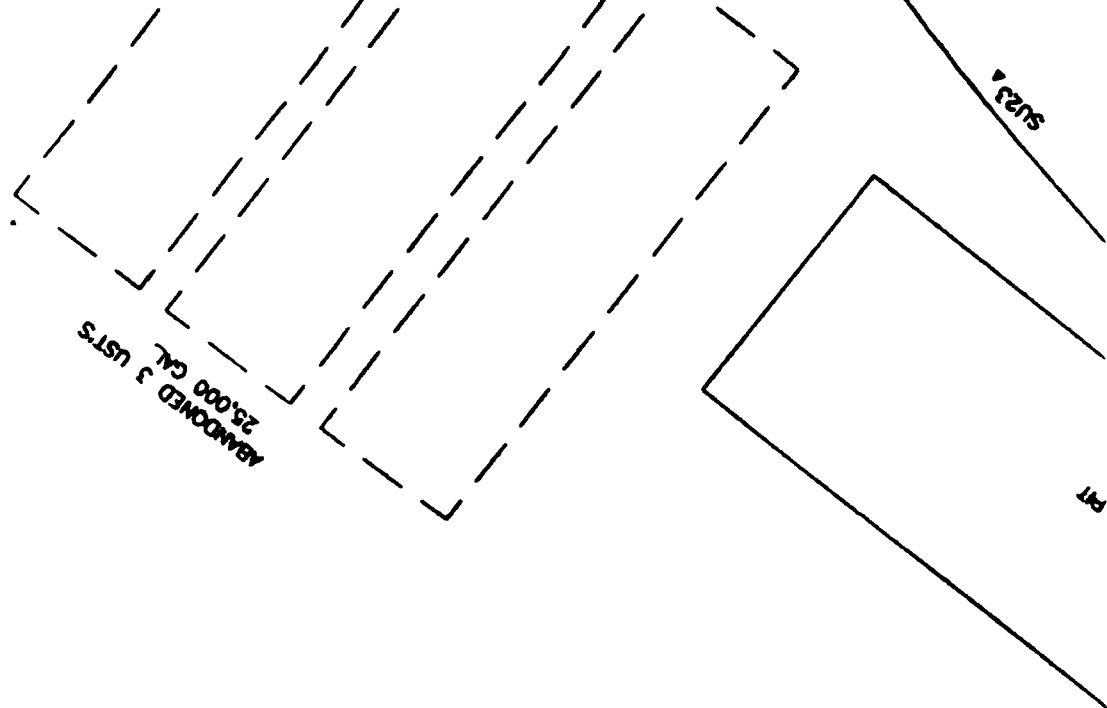




2

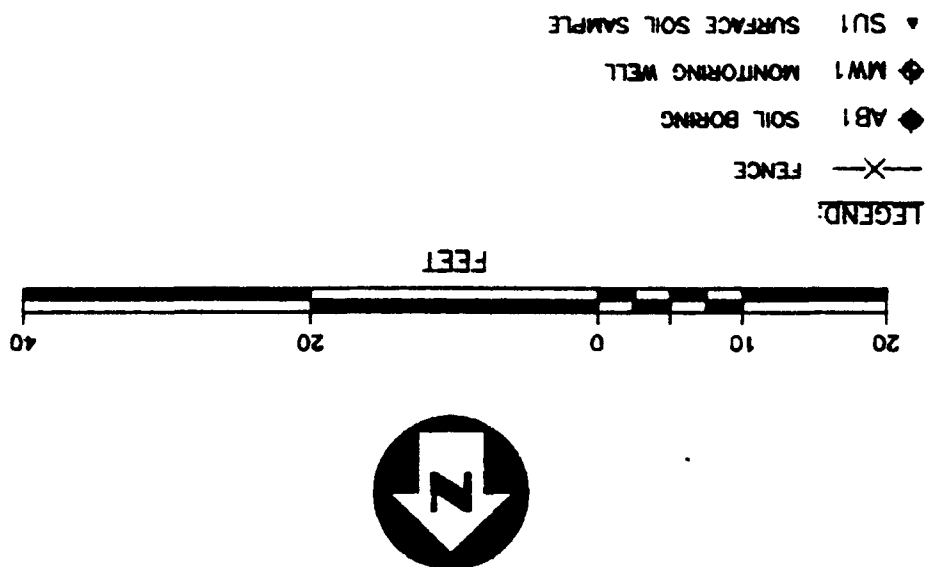


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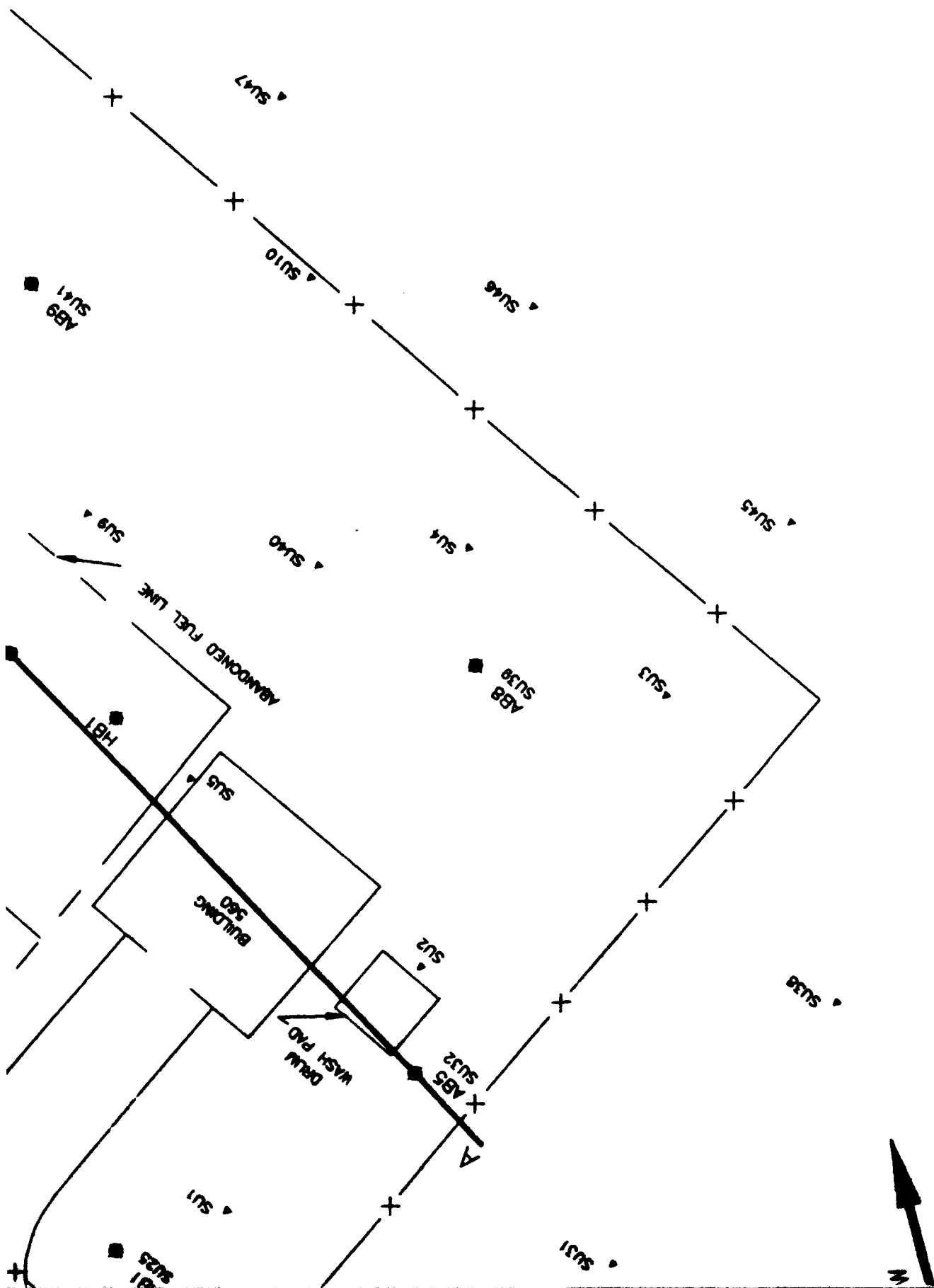


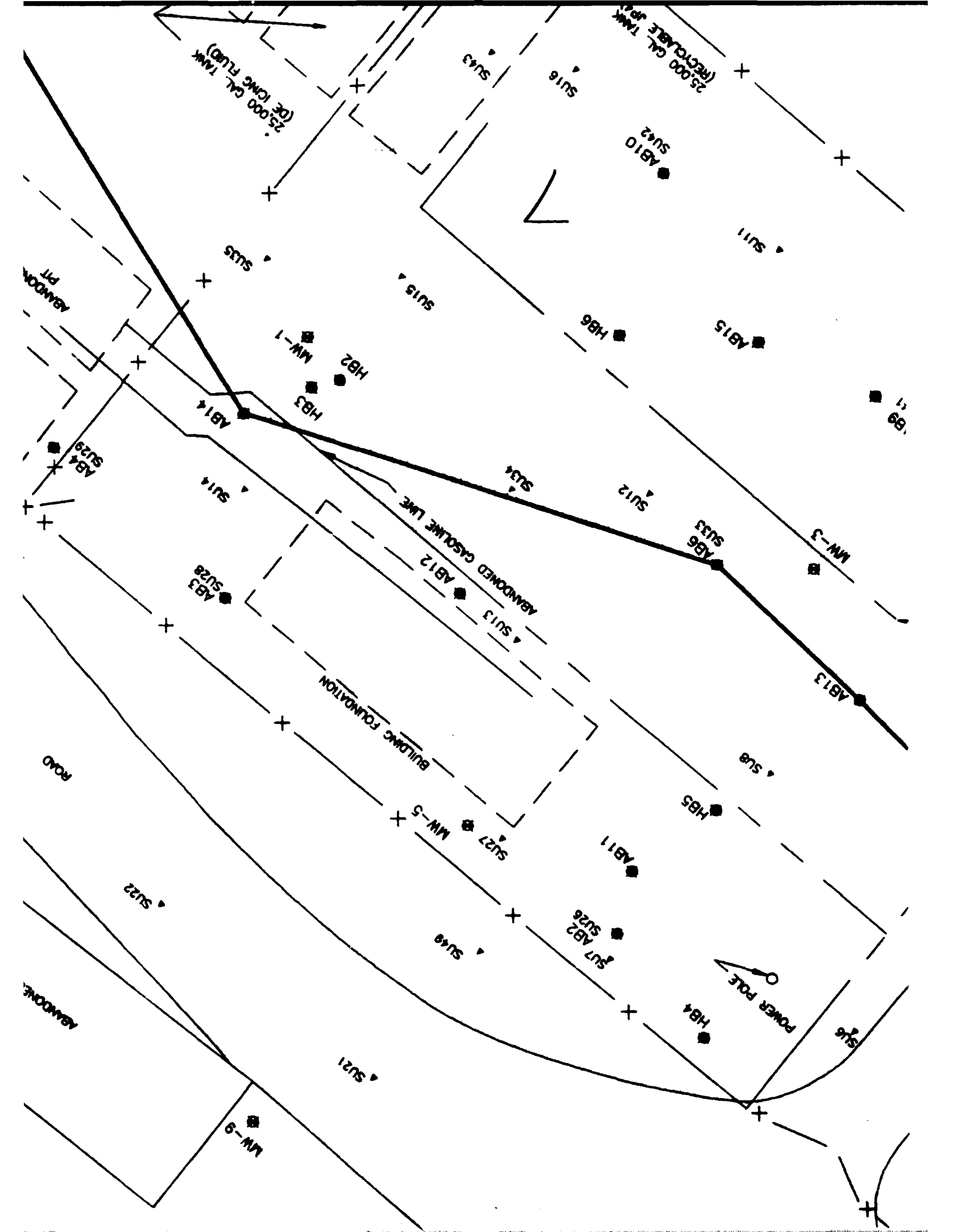
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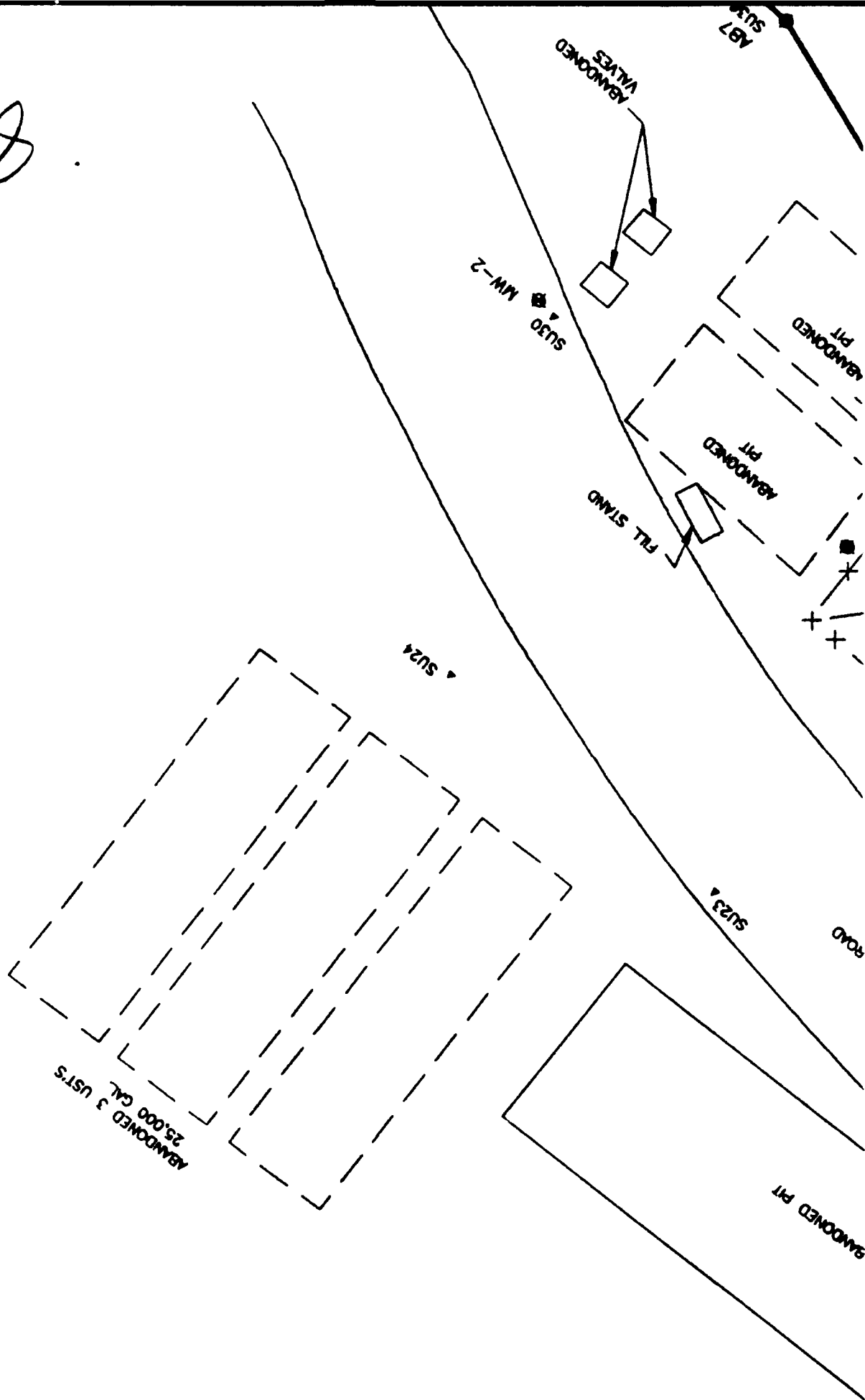


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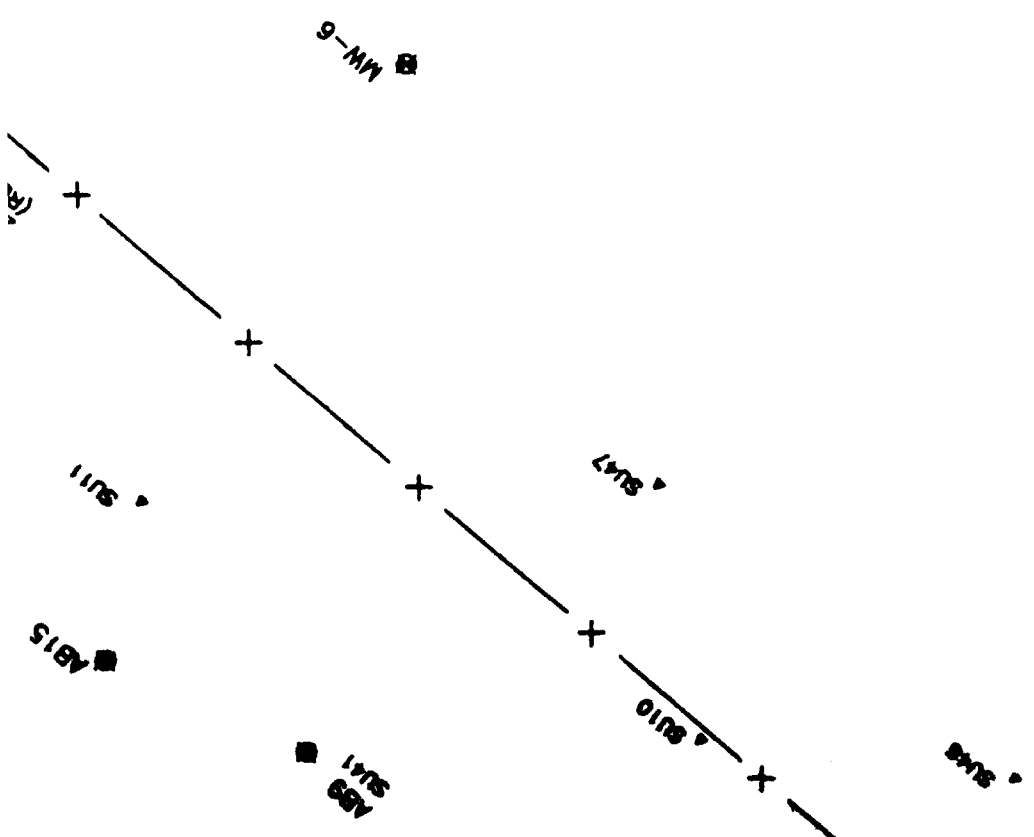
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3				DRAWN BY
2				CHECKED BY
1				ENGINEER
DATE				REGISTRATION NO.

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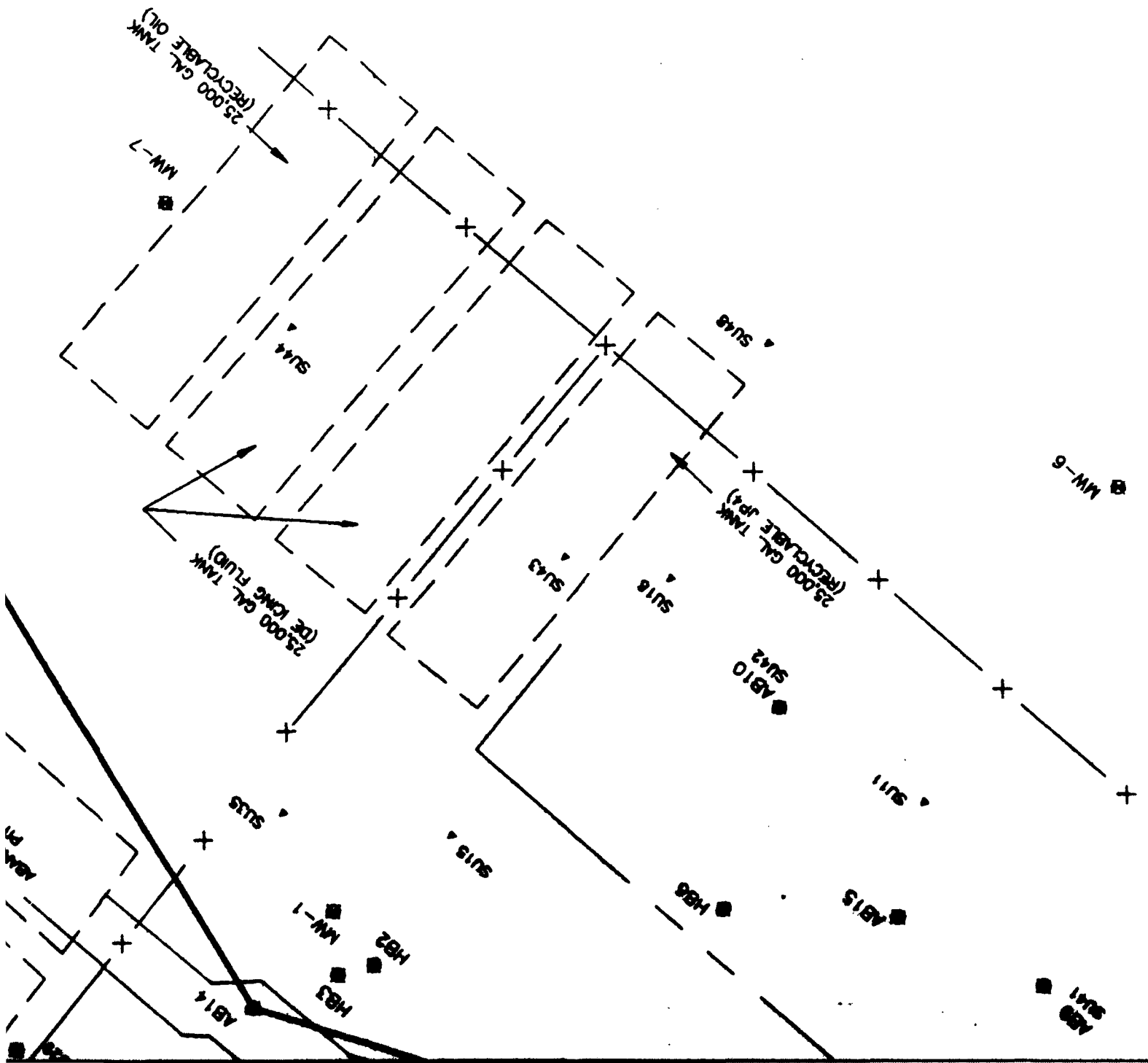
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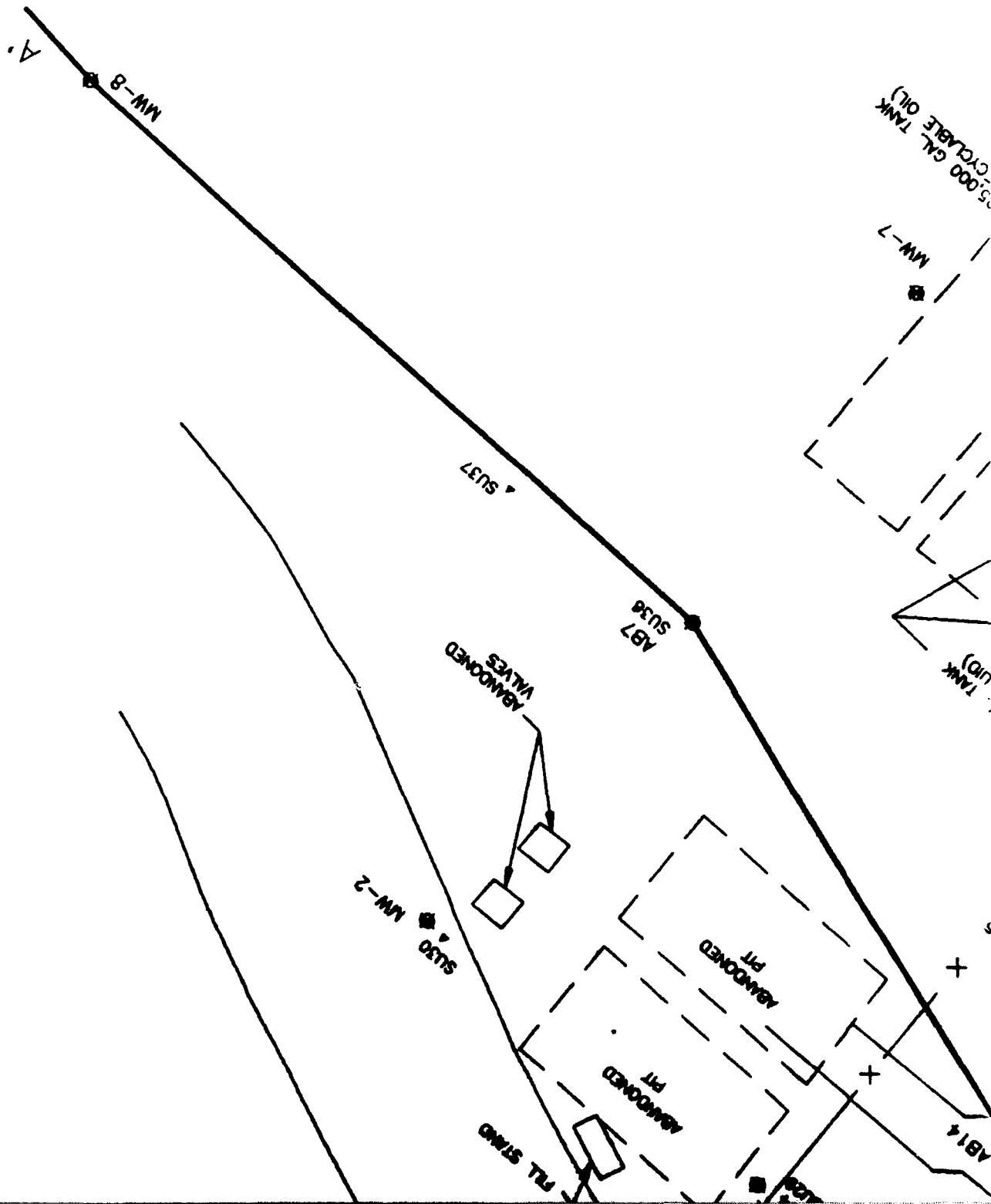


HAZARDOUS WASTE STORAGE AREA

RICKENBACKER ANG, OHIO

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FILE NO.		SAMPLING LOCATIONS	A:
8			
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SCALE		AS SHOWN	

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