ANSON
ENVIRONMENTAL LTD.

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1993 CLOSURE PLAN IMPLEMENTATION

VOLUME 1
SECTIONS 1.0 - 4.0

IMC MAGNETICS CORP.
570 MAIN STREET
WESTBURY, NEW YORK

Prepared for:
New York State Department of Environmental Conservation
Region 1
Building 40 SUNY
Stony Brook, NY 11794

Prepared by:

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IMC MAGNETICS CORP.
570 MAIN STREET
WESTBURY, NEW YORK

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IMC Magnetics Corp.
570 Main Street
Westbury, New York

1.0 INTRODUCTION

In March of 1993 Anson Environmental began implementing the closure plan accepted by the New York State Department of Environmental Conservation (NYSDEC) concerning the IMC Magnetics Corp. site located at 570 Main Street, Westbury, New York. The following report summarizes the activities and conditions at the site and proposes remedial recommendations for the areas of concern.

Areas that were sampled include abandoned leaching pools, septic tanks and surrounding areas, floor drains and floors where hazardous materials were stored.

Laboratory results from the March sampling indicated several areas that were contaminated with volatile organic compounds and metals; therefore, in May 1993, additional soil samples were collected in order to define the dimensions of the contaminated areas. The numerous samples that were collected during the May sampling were analyzed for volatile organic compounds but not for metals. Characteristically, metals are not transported through the vadose zone as readily as volatile organic compounds.

2.0 FIELD ACTIVITIES AND SUMMARY OF LABORATORY RESULTS

Abandoned leaching pools and septic tanks on the north and south sections of the site were excavated and the sediments were sampled during the month of March 1993. All samples were forwarded to Laboratory Resources in New Jersey for analysis for volatile organic compounds and metals via methods: 8010/8020 and 8 RCRA metals. Area 1 is designated as the area on the corner of Rushmore Street and Main Street. Area 2 is referred to as the corner of Swalm and Main Street and Area 3 is located at the south end of the site. Please see appendix 4.1 for drawings of area designations.

2.1 AREA 1

MARCH 1993 SAMPLING

One septic tank and two leaching pools were sampled in Area 1 on March 16, 1993. Please see section 4.2 of the appendix for area layout. The septic tank is constructed of concrete. The bottom of the septic tank extends to three feet below grade. A soil sample was collected from this location. The two leaching pools (LP1-A and LP1-B) are west and east of the septic tank, respectively. Both were sampled at 18 feet to 20 feet below grade and analyzed for volatile organic compounds and metals via method 8010/8020 and 8 RCRA metals, respectively.

LABORATORY RESULTS FOR MARCH SAMPLING

The sample collected of the sediment in the septic tank (ST-1) contained elevated levels of tetrachloroethene [94,300 parts per billion (ppb)] and chromium (27,000 ppb). The leaching pool designated LP1-B contained elevated levels of chromium. Concentrations of the above stated constituents exceed NYSDEC's 1992 standards for soils. Please see section 4.3 of the appendix for a summary chart of the laboratory results. Actual laboratory results are located in section 5.0.

MAY 1993 SAMPLING AND LABORATORY RESULTS

To determine the vertical and horizontal extent of contamination, five soil samples were collected from a series of borings surrounding ST-1, LP1-A and LP1-B on May 13, 1993. The samples were collected from depths ranging from 30 feet to 40 feet.

None of the samples contained concentrations of volatile organic compounds above NYSDEC's 1992 standards, indicating that the contamination has not extended to that depth. Chart 4.4 of the appendix summarizes the laboratory results.

2.2 AREA 2

MARCH 1993 SAMPLING

Two leaching pools were sampled in Area 2 on March 17, 1993. Please see

section 4.5 of the appendix for area layout. The leaching pool designated LP2-A is a precast 8 foot ring, concrete leaching pool. It is located at the east side of Area 2 and appeared to be filled with clean sand. A soil sample was collected at 18 feet to 20 feet below grade (sample # LP2-A 18'-20'). No septic tank is located in this area.

The other leaching pool (LP2-B) is located west of LP2-A. The leaching pools are connected with a 4 inch diameter transite pipe. LP2-B appeared to be older than previously discovered leaching pools because it is constructed of cinder blocks. At approximately 7 feet below grade, green soil was encountered and a solvent-type odor was detected. A soil sample was collected at this location (sample # LP2-B 7'). The bottom of the leaching pool is approximately 12 feet below grade. At this depth grey, clay-like soils were encountered that had a very strong solvent-type odor. One soil sample was collected from this depth (sample # LP2-B 12'). A third soil sample was collected at 18 feet to 20 feet below grade which is designated as sample LP2-B 18'-20'.

LABORATORY RESULTS

The sample LP2-A 18'-20' contained 721 ppb of tetrachloroethene and 18,000 ppb of chromium. Sample LP2-B 7' exceeded NYSDEC's 1992 soil standards for tetrachloroethene, 1,1,1-trichloroethane, cadmium and chromium. Sample #LP2-B 12' representing the odorous grey clay like soils, significantly exceeded NYSDEC standards for toluene, xylene, tetrachloroethene, 1,1,1-trichloroethane, mercury, cadmium, chromium and lead. Sample #LP2-B 18'-20' contained concentrations of tetrachloroethane and chromium that exceed NYSDEC standards. Please refer to section 4.6 of the appendix for the laboratory summary chart.

MAY 1993 SAMPLING AND LABORATORY RESULTS

Seven additional soil samples were collected from Area 2 on May 10, 1993. Samples were collected in order to define plume dimensions of the contaminated areas. Samples were collected from depths ranging from 30 feet to 50 feet. The laboratory results indicated a minor amount of methylene chloride in sample #2-6-40 feet. This compound was also detected in the laboratory blank; therefore, it is probably a laboratory contaminant. Tetrachloroethene was detected in sample #2-3-30 feet (15.6 ppb).

None of the additional samples collected in Area 2 exceeded NYSDEC's 1992 soil standards. Chart 4.7 of the appendix summarizes the laboratory results.

2.3 AREA 3

MARCH 1993 SAMPLING

Two leaching pools and a septic tank were sampled in Area 3 on March 17, 1993. Please refer to section 4.8 of the appendix for area layout. This system is constructed laterally from east to west. Leaching pool (LP3-A) is located at the west end, the septic tank (ST-3) is located in the center and leaching pool designated LP3-B is located at the east end. The septic tank is constructed of concrete sides and an soil bottom. A soil sample of the septic tank sediments is designated as ST-3 and was collected at 10 feet to 12 feet below grade. LP3-A and LP3-B are precast rings forming the leaching pools and samples were collected of the sediments at 18 to 20 feet below grade.

LABORATORY RESULTS

The sample collected from ST-3 contained concentrations of toluene, tetrachloroethene and chromium that exceed NYSDEC standards. The samples collected from LP3-A and LP3-B exceeded the NYSDEC's 1992 standard for chromium. Please refer to section 4.9 of the appendix for the laboratory summary chart.

MAY 1993 SAMPLING

On May 13, 1993, six soil samples were collected from depths ranging from 30 feet to 50 feet from Area 3 to better define plume dimensions. None of the samples contained concentrations of volatile organic compounds that exceeded NYSDEC's 1992 standards. Chart 4.10 of the appendix summarizes the laboratory results.

2.4 FLOOR DRAINS

MARCH 1993 SAMPLING

Four floor drains were sampled from inside the building. Please refer to section 4.11 of the appendix for sample locations. The floor drain samples were designated as FD-2, FD-4, FD-5, and FD-6. All of the floor drains were not sampled because some are connected to the Nassau County Sewer system and others appeared not to have sediments to sample. Samples were collected at the surface of the bottom of the floor drains.

LABORATORY RESULTS

The sample results from floors drains FD-2, FD-4 and FD-5 indicated that several volatile organic compounds exceeded NYSDEC standards for soils. All of the floor drain samples exceeded the NYSDEC's 1992 standard for metals in soils. Please see section 4.12 of the appendix for the laboratory results summary chart.

MAY 1993 SAMPLING

Floor drains that were previously sampled in March, were sampled again on May 14, 1993 at deeper depths. The March sampling was performed manually by Anson Environmental Ltd. In May, in order to collect deeper samples a Geoprobe unit was utilized. For floor drains 2, 4 and 5 the deeper samples could not be collected from the actual floor drains. The Geoprobe drilled through the floor as close as possible to the floor drains and collected samples designated as FD-2A at 12 feet below grade, FD-4A at 12 feet below grade and FD-5A at 8 feet below grade.

Floor drain number 7 (FD-7) is located in the basement at the bottom of the stairway. FD-7 was not sampled in March; however, it was sampled with a slide hammer at 6 feet below the bottom of the floor drain on May 14, 1993. There is also another floor drain in the basement that is filled with concrete and could not be sampled.

The sample results indicated that none of the floor drain samples collected in May 1993 exceeded NYSDEC's 1992 standards for volatile organic compounds in soil. Chart 4.13 of the appendix summarizes the laboratory results.

2.5 POWER WASHING AND SAMPLING CONCRETE FLOORS

Hazardous wastes or materials being stored on site in drums were removed from the site by IMC representatives. Subsequent to the removal of these materials the last phase of the sampling program was implemented. The final sampling phase included power washing and sampling the concrete floor in areas where hazardous wastes were stored or utilized.

POWER WASHING

On August 26, 1993 AEL power washed the floors in the maintenance area, drum storage area, alodine room, degreasing area adjacent to the alodine room, and the spray painting area. Please see section 4.14 of the appendix for locations.

The paint storage room was cleaned by IMC representatives. No power washing was performed in this area. Power washing liquids from each of the above specified areas were collected with a shop-vac and stored onsite in two 55 gallon drums. A composite liquid sample was collected from the two drums and analyzed utilizing method 601/602 for volatile organics and 8 RCRA metals.

POWER WASHING LIQUID RESULTS

Laboratory analysis of the liquid indicated significant concentrations of metals and trace quantities of volatile organic compounds. The contents of the drums will therefore be disposed of as a hazardous material. The actual laboratory results of the power washing liquid is located in section 5.4 of the appendix.

CONCRETE FLOOR SAMPLES

Subsequent to powerwashing the floors, on October 1, 1993, three samples were collected of the concrete floors in hazardous waste storage areas. Please refer to section 4.14 of the appendix for sampling locations. A power drill was utilized to core the floors to approximately four inches into the concrete. The concrete powder was then forwarded to a certified laboratory for analysis via method 601/602 and 8 RCRA metals. Three

samples were collected from each area. The areas are designated as such:

Area 1 = Paint storage room
Area 2 = Drum storage area
Area 3 = Maintenance area
Area 4 = Alodine room
Area 5 = Spray painting area

CONCRETE LABORATORY RESULTS

Laboratory results from the concrete samples collected were significantly contaminated with metals. Samples collected from Areas 1 and 5 also contained elevated levels of VOCs. Please refer to section 4.15 of the appendix for laboratory results summary chart.

3.0 CONCLUSIONS

Soils contaminated with volatile organic compounds and metals were detected in virtually every sample collected from the March 1993 sampling; however, samples collected to define dimensions of contamination in May 1993 did not indicate that the contamination had migrated significantly beyond the original sampling locations. Based on these samples it is unlikely that the site has adversely impacted the underlying groundwater. The depth to groundwater in the Westbury area is approximately 52 feet. The soil contamination encountered at the subject site does not extend beyond thirty feet.

PROPOSAL FOR REMEDIATION

3.1 AREA 1

The contaminated soil from the septic tank and LP1-A will be excavated and disposed of properly. As much sediment as possible will be excavated from LP1-A to a maximum depth of 25 feet below grade. An endpoint sample will be collected and analyzed for volatile organic compounds and metals. After the area has been excavated, a concrete pad will be poured to prevent precipitation from leaching into the soil. In the event the contaminated soil cannot be excavated completely, a soil vapor extraction system will be installed.

3.2 AREA 2

The contaminated soil from LP2-A and LP2-B will be excavated to a maximum depth of 35 feet below grade. It is unlikely that excavation is feasible to such a deep depth; therefore, a soil vapor extraction system will be installed to remediate contaminated soils that cannot be excavated. Endpoint samples will be collected at the bottom of each excavation. The area will be paved with concrete after the excavation.

3.3 AREA 3

As much sediment will be excavated from LP3-B and ST3 as possible with a maximum depth of 25 feet below grade. Endpoint samples will be collected. If the endpoint samples indicate contamination remains after the excavation, a soil vapor extraction system will be installed. The area will be paved with concrete after the excavation.

3.4 FLOOR DRAINS

Floor drains 2, 4, 5 and 6 will be removed and permanently abandoned with a concrete slurry. When the floor drains are removed, as much soil will be removed from the areas surrounding the floor drains as possible. Endpoint samples will be collected prior to filling the floor drains with a concrete slurry. It is unlikely that all of the contaminated soil will be available for excavation; therefore, a soil vapor extraction system is proposed to remediate the remaining soil contamination.

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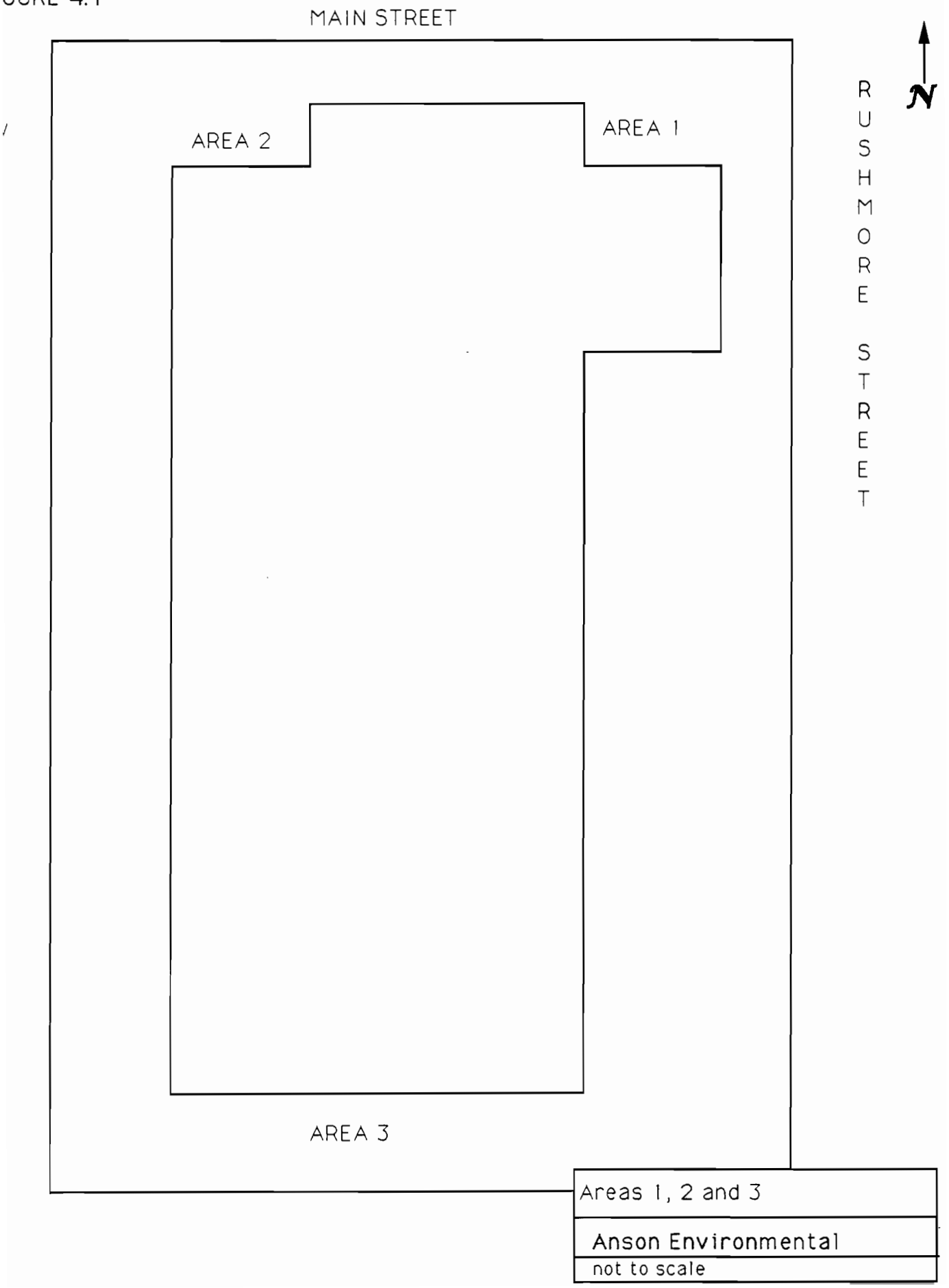
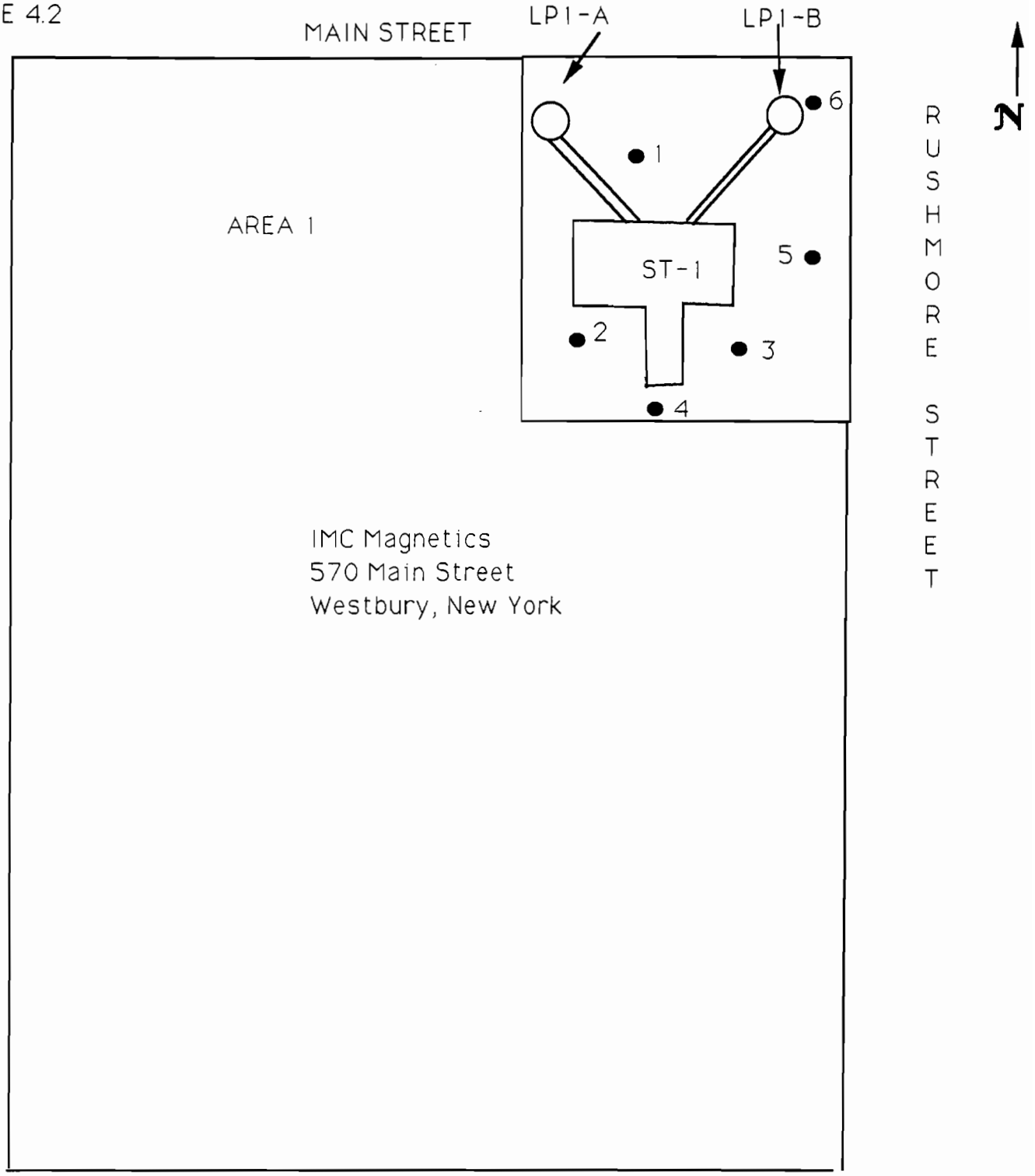
4.0 APPENDIX

GURE 4.1


MAIN STREET
AREA 2
AREA 1
AREA 3
RUSHMORE STREET
N
Areas 1, 2 and 3
Anson Environmental
not to scale

GURE 4.2



ST-1= Septic tank sampled March 1993
LP= Leaching Pool sampled March 1993
1-6 = May 1993 sampling locations

AREA 1 SAMPLING LOCATIONS
Anson Environmental
not to scale

CHART 4.3
IMC Magnetics Corporation
570 Main Street
Westbury, NY
March 16, 1993

AREA 1
Sampling Results
All Results in µg/Kg (ppb)

Volatile organic compounds Method 8010/8020	NYSDEC standards (ppb)	LP1A (18'-20')	LP1B (18'-20')	ST 1 (3')
Benzene	60			
Ethylbenzene	5500			
1,2-Dichlorobenzene	7900			
1,3-Dichlorobenzene	1600			
1,4-Dichlorobenzene	8500			
Toluene	1500			
Xylene (Total)	1200			
Chlorobenzene	1700			
Chloromethane	N/A			
Tetrachlorethene	1400			94300
1,1,1-Trichloroethane	800			
Trichloroethene	700			

Metals	NYSDEC Standards	LP1A (18'-20')	LP1B (18'-20')	ST 1 (3')
Arsenic	7500			
Mercury	100			
Barium	300000			
Cadmium	1000			
Chromium	10000		26000	27000
Lead	30000			
Silver	SB			
Selenium	2000			

LP=Leaching Pool
ST=Septic Tank
SB=site background
N/A=Published standard not available
Only those constituents that exceed NYSDEC standards are summarized in chart 4.3

CHART 4.4

IMC Magnetics Corporation
570 Main Street
Westbury, NY
Samples collected 5/13/93
Method 8120

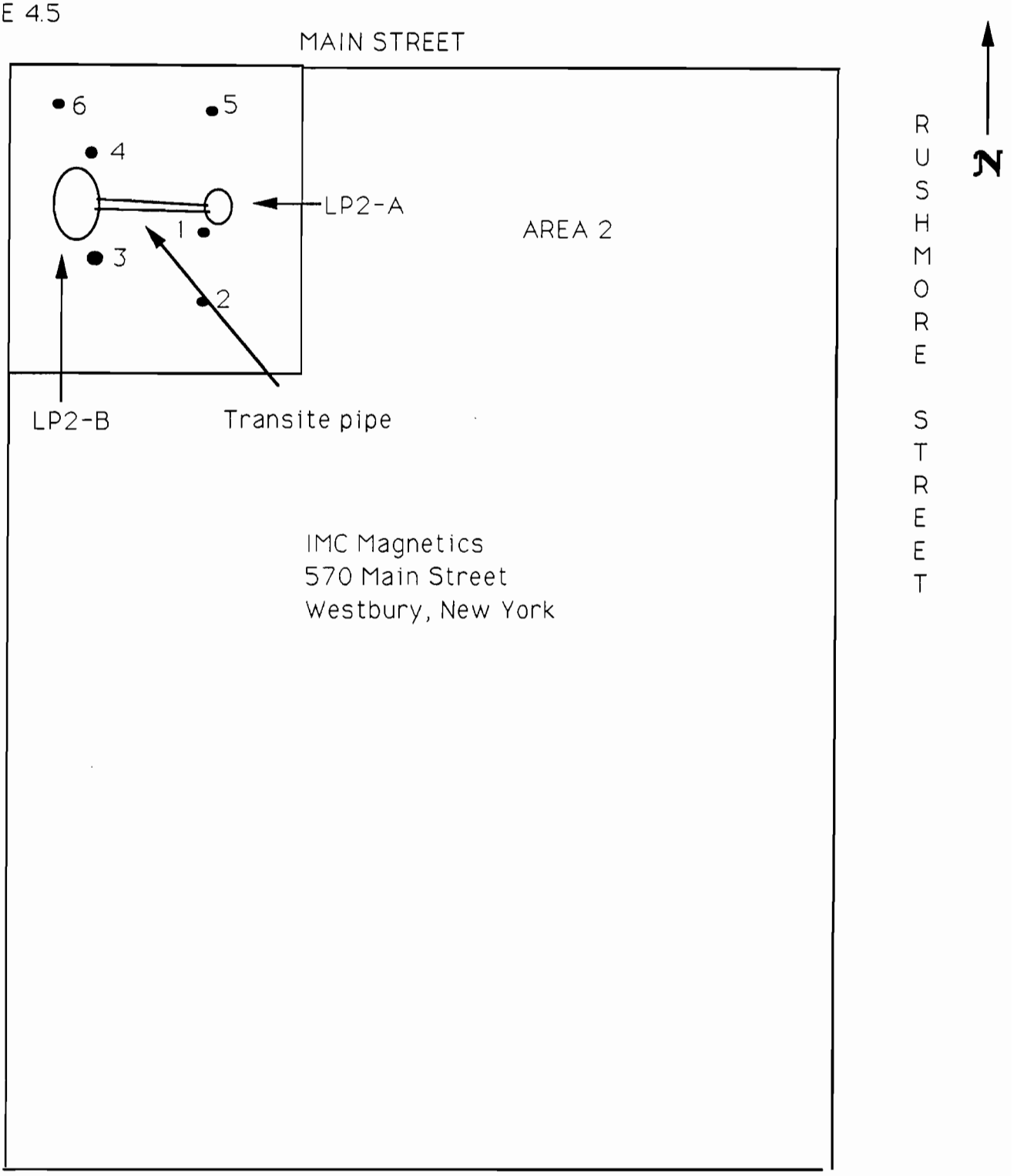
Area 1
Sampling Results

All Results in µg/Kg (ppb)

Parameter	1-2-36'	1-3-30'	1-4-40'	1-5-34'	1-6-34'
Benzene					
Ethylbenzene					
1,2-Dichlorobenzene					
1,3-Dichlorobenzene					
1,4-Dichlorobenzene					
Toluene					
Bromomethane					
Chlorobenzene					
Chloroethane					
Chloromethane					
Dichlorodifluoromethane					
1,1 Dichloroethene					
1,2 Dichloroethane					
Methylene Chloride					
1,1,2,2-Tetrachloroethane					
Trichlorofluoromethane					
Vinyl Chloride					
Dibromochloromethane					
1,2-Dibromo-3-chloropropane					
1,2,4-Trimethylbenzene					
meta&para-Xylene					
ortho-Xylene					
Carbon tetrachloride					
1,1-Dichloroethane					
trans-1,3-Dichloropropene					
1,1,2-Trichloroethane					
Bromoform					
Tetrachloroethene					
trans-1,2-Dichloroethene					
Chloroform					
1,1,1-Trichloroethane					
Bromodichloromethane					
1,2-Dichloropropane					
cis-1,3-Dichloropropane					
Trichloroethane					

***NONE OF THE CONSTITUENTS EXCEEDED NYSDEC 1992 RECOMMENDED SOIL CLEANUP OBJECTIVES FOR SOILS CONTAMINATED WITH VOLATILE ORGANIC COMPOUNDS**

GURE 4.5



LP= Leaching Pools sampled March 1993

1-6 = May 1993 sampling locations

AREA 2 SAMPLING LOCATIONS
Anson Environmental
not to scale

CHART 4.6
IMC Magnetics Corporation
570 Main Street
Westbury, NY
March 17, 1993

AREA 2
Sampling Results
All Results in µg/Kg (ppb)

Volatile organic compounds
Method: 8010/8020

	NYSDEC standards (ppb)	LP2A (18'-20')	LP2B (7')	LP2B (12')	LP2B (18'-20')
Benzene	60				
Ethylbenzene	5500				
1,2-Dichlorobenzene	7900				
1,3-Dichlorobenzene	1600				
1,4-Dichlorobenzene	8500				
Toluene	1500			5090000	
Xylene (Total)	1200			3000000	
Chlorobenzene	1700				
Chloromethane	N/A		93800		362000
Tetrachlorethene	1400		7700000	1.390E+8	2970000
1,1,1-Trichloroethane	800		79700	668000	
Trichloroethene	700				

Metals

Method: 8 RCRA metals	NYSDEC Standards (ppb)	LP2A (18'-20')	LP2B (7')	LP2B (12')	LP2B (18'-20')
Arsenic	7500				
Mercury	100			2300	
Barium	300000				
Cadmium	1000		6300	21000	
Chromium	10000	18000	4700000	7500000	40000
Lead	30000			190000	
Silver	SB				
Selenium	2000				

LP=Leaching Pool
ST=Septic Tank
N/A=Published standard not available
SB=Site background
Only those constituents that exceed NYSDEC standards are summarized in chart 4.5

CHART 4.7

IMC Magnetics Corporation
570 Main Street
Westbury, NY
Samples collected 5/10/93
Method 8010/8020

Area 2
Sampling Results

All Results in µg/Kg (ppb)

Volatile organic compounds	*NYSDEC STANDARDS	(2-1-50	(2-2-40')	(2-3-30')	(2-3-40')
Benzene	60				
Ethylbenzene	1200				
1,2-Dichlorobenzene	7900				
1,3-Dichlorobenzene	1600				
1,4-Dichlorobenzene	8500				
Toluene	1500				
Xylene (Total)	1200				
Bromodichloromethane	N/A				
Bromoform	N/A				
Bromomethane	N/A				
Carbon Tetrachloride	600				
Chlorobenzene	1700				
Chlorethane	1900				
Chloroform	300				
Chloromethane	N/A				
Dichlorodifluoromethane	N/A				
1,1 Dichloroethane	200				
1,2 Dichloroethane	100				
Cis-1,3-Dichloropropene	N/A				
Trans-1,3-Dichloropropene	N/A				
Methylene Chloride	100				
1,1,2,2-Tetrachloroethane	600				
Tetrachloroethene	1400				
1,1,1,-Trichlorethane	800				
1,1,2-Trichloroethane	N/A				
Trichloroethene	700				
Trichlorofluoromethane	N/A				
Vinyl Chloride	200				
1,2 Dichloropropane	N/A				

*NONE OF THE CONSTITUENTS EXCEEDED NYSDEC 1992 RECOMMENDED SOIL CLEANUP OBJECTIVES FOR SOILS CONTAMINATED WITH VOLATILE ORGANIC COMPOUNDS

N/A=Published standard not available
Method 8010/8020
*NYSDEC standards = Recommended soil cleanup objectives

CHART 4.7

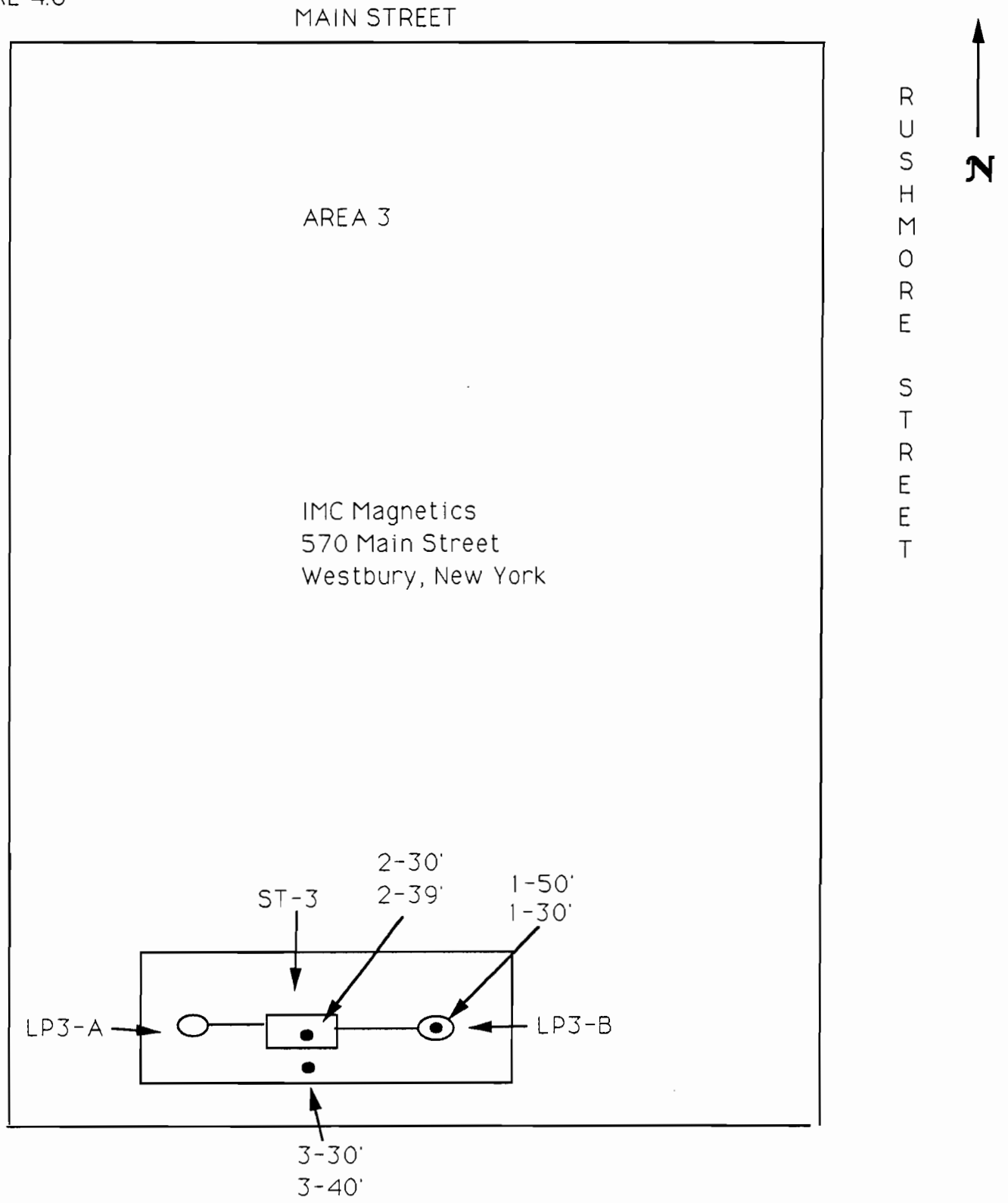
IMC Magnetics Corporation
570 Main Street
Westbury, NY — **Area 2**
Samples collected on 5/10/93 — **Sampling Results**
Method 8010/8020 — **All Results in µg/Kg (ppb)**

Parameter	2-4-40'	2-5-40'	2-6-40'
Benzene			
Ethylbenzene			
1,2-Dichlorobenzene			
1,3-Dichlorobenzene			
1,4-Dichlorobenzene			
Toluene			
Xylene (Total)			
Bromodichloromethane			
Bromoform			
Bromomethane			
Carbon Tetrachloride			
Chlorobenzene			
Chlorethane			
Chloroform			
Chloromethane			
Dichlorodifluoromethane			
1,1 Dichloroethane			
1,2 Dichloroethane			
Cis-1,3-Dichloropropene			
Trans-1,3-Dichloropropene			
Methylene Chloride			
1,1,2,2-Tetrachloroethane			
Tetrachloroehene			
1,1,1,-Trichlorethane			
1,1,2-Trichloroethane			
Trichloroethene			
Trichlorofluoromethane			
Vinyl Chloride			

***NONE OF THE CONSTITUENTS EXCEEDED NYSDEC 1992 RECOMMENDED SOIL CLEANUP OBJECTIVES FOR SOILS CONTAMINATED WITH VOLATILE ORGANIC COMPOUNDS**

*NYSDEC standards = Recommended soil cleanup objectives

GURE 4.8



ST-3 = Septic tank sampled March 1993
LP = Leaching Pool sampled March 1993
1-3 = May 1993 Sampling locations

AREA 3 SAMPLING LOCATIONS
Anson Environmental
not to scale .

CHART 4.9
IMC Magnetics Corporation
570 Main Street
Westbury, NY
March 17, 1993

AREA 3
Sampling Results

Volatile organic compounds

All Results in µg/Kg (ppb)

Analytic method: 8010/8020

	NYSDEC standards (ppb)	LP3A (18'-20')	LP3B (18'-20')	ST 3 (10'-12')
Benzene	60			
Ethylbenzene	5500			
1,2-Dichlorobenzene	7900			
1,3-Dichlorobenzene	1600			
1,4-Dichlorobenzene	8500			
Toluene	1500			60200
Xylene (Total)	1200			
Chlorobenzene	1700			
Chloromethane	N/A			
Tetrachlorethene	1400			112000
1,1,1-Trichloroethane	800			
Trichloroethene	700			

Metals

Method: 8 RCRA metals

	NYSDEC Standards (ppb)	LP3A (18'-20')	LP3B (18'-12')	ST3 (10'-12')
Arsenic	7500			
Mercury	100			
Barium	300000			
Cadmium	1000			
Chromium	10000	27000	14000	50000
Lead	30000			
Silver	SB			
Selenium	2000			

LP=Leaching Pool
ST=Septic Tank
N/A=Published standard not available
SB=Site background
Only those constituents that exceed NYSDEC standards are summarized in chart 4.7

CHART 4.10

IMC Magnetics Corporation
570 Main Street
Westbury, NY
Samples collected 5/13/93
Method 8120

Area 3
Sampling Results

All Results in µg/Kg (ppb)

Parameter	3-1-30'	3-1-50'	3-2-30'
Benzene			
Ethylbenzene			
1,2-Dichlorobenzene			
1,3-Dichlorobenzene			
1,4-Dichlorobenzene			
Toluene			
Bromomethane			
Chlorobenzene			
Chloroethane			
Chloromethane			
Dichlorodifluoromethane			
1,1 Dichloroethene			
1,2 Dichloroethane			
Methylene Chloride			
1,1,2,2-Tetrachloroethane			
Trichlorofluoromethane			
Vinyl Chloride			
Dibromochloromethane			
1,2-Dibromo-3-chloropropane			
1,2,4-Trimethylbenzene			
meta&para-Xylene			
ortho-Xylene			
Carbon tetrachloride			
1,1-Dichloroethane			
trans-1,3-Dichloropropene			
1,1,2-Trichloroethane			
Bromoform			
Tetrachloroethene			

***NONE OF THE CONSTITUENTS EXCEEDED NYSDEC 1992 RECOMMENDED SOIL CLEANUP OBJECTIVES FOR SOILS CONTAMINATED WITH VOLATILE ORGANIC COMPOUNDS**

CHART 4.10

IMC Magnetics Corporation
570 Main Street
Westbury, NY
Samples collected on 5/15/93
Method 8010/8020

Area 3
Sampling Results

All Results in µg/Kg (ppb)

Parameter	3-2-39'	3-3-40'	3-3-30'
Benzene			
Ethylbenzene			
1,2-Dichlorobenzene			
1,3-Dichlorobenzene			
1,4-Dichlorobenzene			
Toluene			
Xylene (Total)			
Bromodichloromethane			
Bromoform			
Bromomethane			
Carbon Tetrachloride			
Chlorobenzene			
Chlorethane			
Chloroform			
Chloromethane			
Dichlorodifluoromethane			
1,1 Dichloroethane			
1,2 Dichloroethane			
Cis-1,3-Dichloropropene			
Trans-1,3-Dichloropropene			
Methylene Chloride			
1,1,2,2-Tetrachloroethane			
Tetrachloroehene			
1,1,1,-Trichlorethane			
1,1,2-Trichloroethane			
Trichloroethene			
Trichlorofluoromethane			
Vinyl Chloride			

***NONE OF THE CONSTITUENTS EXCEEDED NYSDEC 1992 RECOMMENDED SOIL CLEANUP OBJECTIVES FOR SOILS CONTAMINATED WITH VOLATILE ORGANIC COMPOUNDS**

GURE 4.1 1

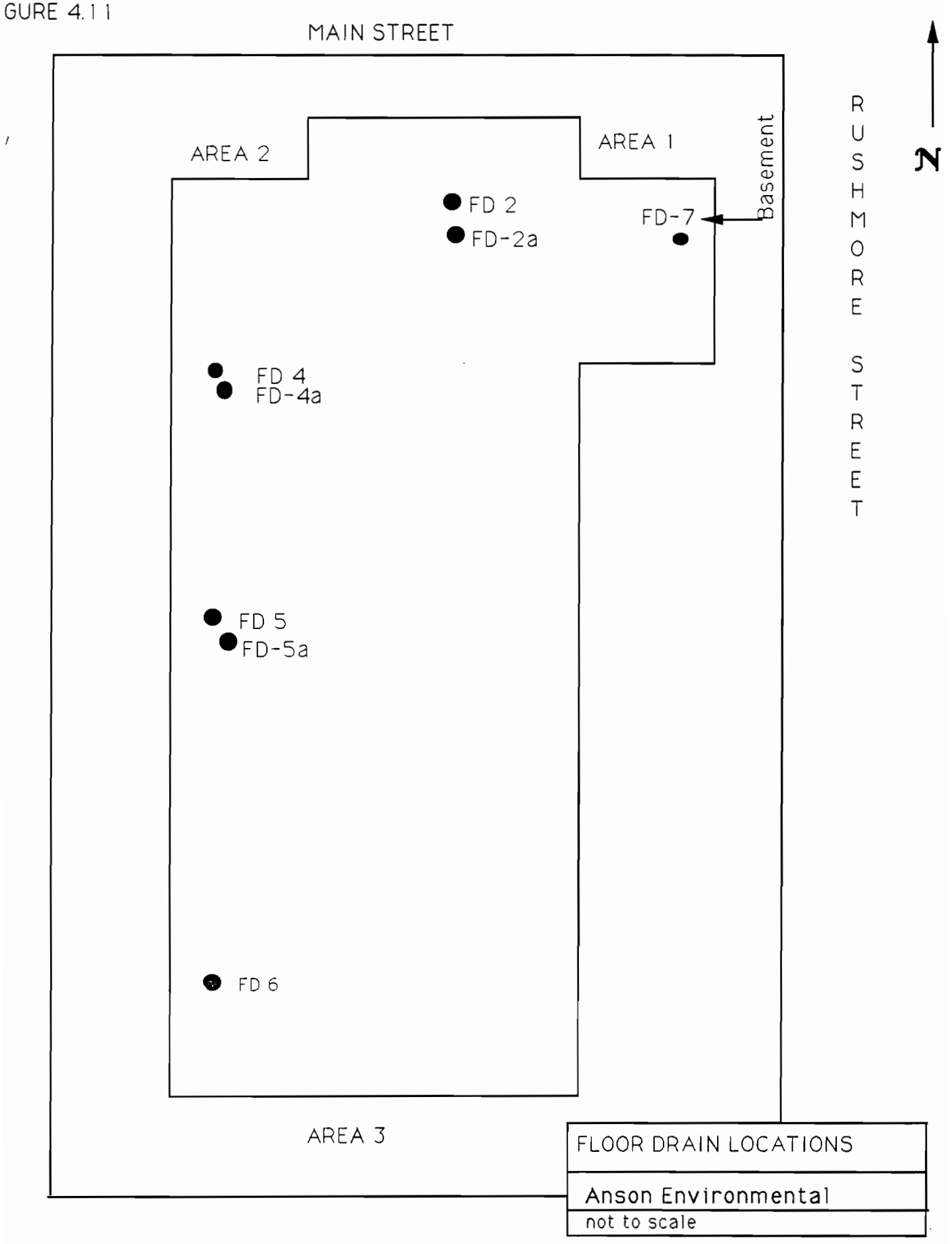

MAIN STREET
AREA 2
AREA 1
Basement
RUSHMORE STREET
N
FD 2
FD-2a
FD-7
FD 4
FD-4a
FD 5
FD-5a
FD 6
AREA 3
FLOOR DRAIN LOCATIONS
Anson Environmental
not to scale

CHART 4.12
IMC Magnetics Corporation
570 Main Street
Westbury, NY
March 10, 1993

FLOOR DRAINS
Sampling Results
All Results in µg/Kg (ppb)

Volatile organic compounds
Method 8010/8020

	NYSDEC standards (ppb)	FD 2	FD 4	FD 5	FD 6
Benzene	**60**	39500	1300	1650	
Ethylbenzene	**5500**	56100			
1,2-Dichlorobenzene	**7900**	38600			
1,3-Dichlorobenzene	**1600**	34800			
1,4-Dichlorobenzene	**8500**	37000			
Toluene	**1500**	41200		1810	
Xylene (Total)	**1200**	131000	3240	3970	
Chlorobenzene	**1700**	77200	1760	2000	
Chloromethane	**N/A**				
Tetrachlorethene	**1400**	1420000	169000	134000	
1,1,1-Trichloroethane	**800**	9910			
Trichloroethene	**700**	73600			
Methylene chloride	**100**	7340	558	1030	

Metals	NYSDEC Standards	FD-2	FD-4	FD-5	FD-6
Method: 8 RCRA metals					
Arsenic	**7500**				
Mercury	**100**	25000	650	2300	1200
Barium	**300000**	530000		330000	
Cadmium	**1000**	62000	17000	230000	7100
Chromium	**10000**	290000	24000000	830000	
Lead	**30000**	550000	6100000	390000	590000
Silver	**SB**				
Selenium	**2000**				

SB=Site background
FD=Floor Drain
N/A=Published standard not available
Only those constituents that exceed NYSDEC standards are summarized in chart 4.9

CHART 4.13

IMC Magnetics Corporation
570 Main Street
Westbury, NY
Samples collected on 5/14/93

FLOOR DRAINS
Sampling Results

Method 8010/8020

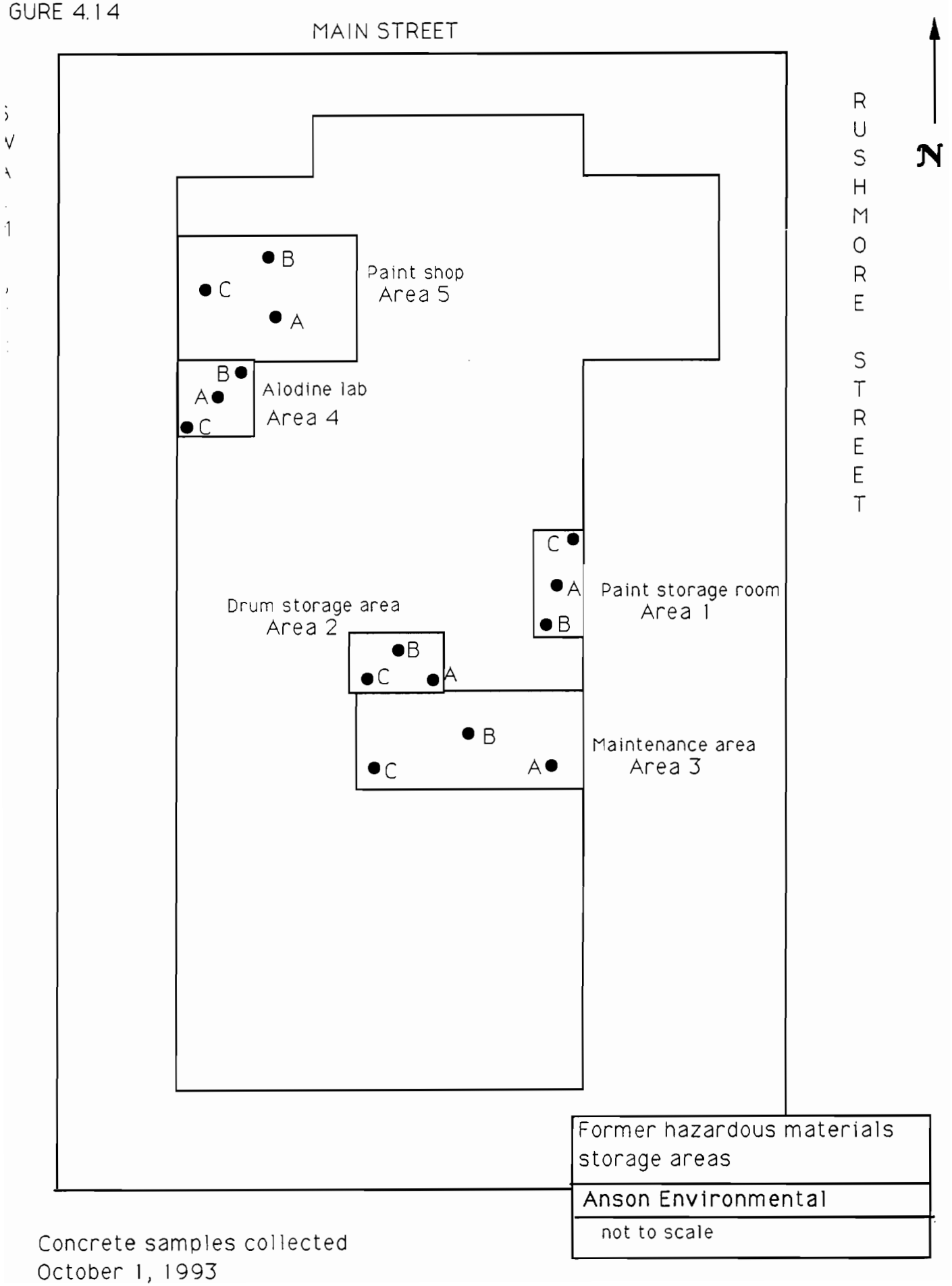
All Results in µg/Kg (ppb)

Parameter	**FD-2A-12'**	**FD-4A-1**	**FD-5A-8'**	**FD-7-6'**
Benzene				
Ethylbenzene				
1,2-Dichlorobenzene				
1,3-Dichlorobenzene				
1,4-Dichlorobenzene				
Toluene				
Xylene (Total)				
Bromodichloromethane				
Bromoform				
Bromomethane				
Carbon Tetrachloride				
Chlorobenzene				
Chlorethane				
Chloroform				
Chloromethane				
Dichlorodifluoromethane				
1,1 Dichloroethane				
1,2 Dichloroethane				
Cis-1,3-Dichloropropene				
Trans-1,3-Dichloropropene				
Methylene Chloride				
1,1,2,2-Tetrachloroethane				
Tetrachloroethene				
1,1,1,-Trichlorethane				
1,1,2-Trichloroethane				
Trichloroethene				
Trichlorofluoromethane				
Vinyl Chloride				

***NONE OF THE CONSTITUENTS EXCEEDED NYSDEC 1992 RECOMMENDED SOIL CLEANUP OBJECTIVES FOR SOILS CONTAMINATED WITH VOLATILE ORGANIC COMPOUNDS**

x

GURE 4.14



Concrete samples collected
October 1, 1993

CHART 4.15

IMC Magnetics
570 Main Street
New Cassel, New York
Date collected: October 1, 1993
Analyzed for: 601/602 and 8 RCRA metals

CONCRETE SAMPLE RESULTS

	Area	(paint storage room)			(drum storage area)			(maintenance area)			(alodine room)			(spray painting area)		
	NYSDEC	1-A	1-B	1-C	2-A	2-B	2-C	3-A	3-B	3-C	4-A	4-B	4-C	5-A	5-B	5-C
VOCs (ppb)	Standards															
Chloromethane	N/A															
Methylene chloride	100	950	1400	730												
Carbon tetrachlori	600															
Trichlorethene	700															
Tetrachloroethene	1400			1900												
Chlorobenzene	1700															
1,3-Dichlorobenzei	1600															
1,4-Dichlorobenzei	8500															
1,2-Dichlorobenzei	7900															
Toluene	1500	2800														35000
Ethylbenzene	5500															6600
	NYSDEC															
METALS (ppb)	Standards															
Arsenic	7500															
Mercury	100	300								38000		1100	1200	730	620	680
Barium	300000															76000
Cadmium	1000	7400					7000			51000		3200	2300		28000	5100
Chromium	10000	37000	77000					11000			36000	220000	64000	23000	51000	470000
Lead	30000		340000													110000
Sliver	SB															
Selenium	2000															

N/A = no published standard available
SB = Site background
There are no standards for concrete; therefore, the results were compared to NYSDEC 1992 soil standards.
Only those constituents that exceed the standard are summarized in chart 4.11